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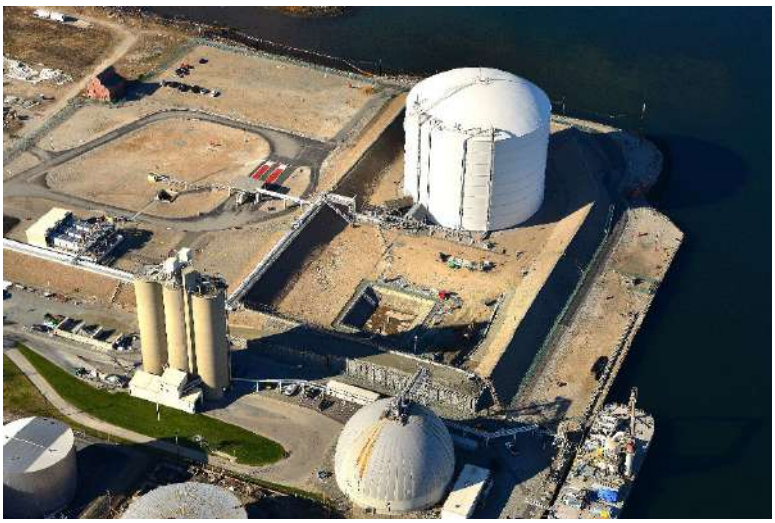
SHORT TERM RESPONSE ACTION (*STRA*) CLOSURE REPORT FIELDS POINT LIQUEFACTION PROJECT (FPLP)

121 Terminal Road / 642 Allens Avenue Providence, Rhode Island

March 21, 2023
GZA File No.: 03.0033554.04
RIDEM File No.: SR-28-1152
FERC Docket No.: CP16-121-000



PREPARED FOR:
Rhode Island Department of Environmental Management (RIDEM)
Providence, Rhode Island

ON BEHALF OF:
National Grid LNG, LLC

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Via E-Mail and U.S. Mail

March 21, 2023
File No. 03.0033554.04

Mr. Joseph Martella
Rhode Island Department of Environmental Management (RIDEM)
Office of Land Revitalization and Sustainable Materials Management
235 Promenade Street
Providence, Rhode Island 02908

Re: Short Term Response Action (*STRA*) Closure Report
121 Terminal Road / 642 Allens Avenue
Field Point Liquefaction Project (FPLP)
Providence, Rhode Island
RIDEM Case No. 98-004 / Site Remediation File No. SR-28-1152
FERC Docket No. CP16-121-000

Dear Mr. Martella:

On behalf of National Grid LNG, LLC (National Grid), GZA GeoEnvironmental, Inc. (GZA) is pleased to present to the Rhode Island Department of Environmental Management (RIDEM) the attached *Short Term Response Action (STRA) Closure Report* for the Fields Point Liquefaction Project (FPLP) at the Former Manufactured Gas Plant (MGP) Facility in Providence, Rhode Island (herein referred to as the "Site") located at 121 Terminal Road / 642 Allens Avenue. The remedial actions described in the attached report were conducted in accordance with the Short-Term Response Action Plan (*STRAP*) – Fields Point Liquefaction Project dated May 12, 2017, and *STRAP* Addendum –Liquefaction Project dated October 11, 2017, and applicable provisions of the RIDEM Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases (Remediation Regulations, 250-RIRC-140-30-1, as refiled in January 2022). The *STRAP* was approved by RIDEM via issuance of a Short-Term Response Action Approval Letter dated October 27, 2017.

This *STRAP* was implemented to address impacted soils associated with the construction of the Liquefaction Facility for the Providence Liquefied Natural Gas (LNG) facility at the Site. As described in the attached report, the Short Term Response Action (*STRA)* work was performed between January 28, 2019 and August 24, 2022, and included installing sediment and erosion controls, limited clearing and grubbing, testing and import of clean fill materials, grading and off-Site disposal/recycling of excess materials, management of excess soil and groundwater during earthwork activities for pile and utility installations (water, drainage, natural gas and both overhead and underground electric), installation of engineered caps, and restoration activities (fencing and gate installation).

We understand that the attached *STRA Closure Report* will be posted on the RIDEM Office of Land Revitalization and Sustainable Materials Management (OLRSMM) website for the 642 Allens Avenue property, consistent with the approved Public Involvement Plan (PIP) for the Site.

An Equal Opportunity Employer M/F/V/H

Should you have any questions or comments regarding the information presented herein or in the attached, please do not hesitate to contact the undersigned or Drew Shelby (National Grid) at (508) 243-3962.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

Sara J. Haupt, P.E.
Project Manager

James J. Clark, P.E.
Senior Principal

Margaret S. Kilpatrick, P.E.
Principal

Attachments: *Short Term Response Action (STRA) Closure Report – Fields Point Liquefaction Project*

cc: Amy Willoughby, Rhode Island Energy
William Howard, Rhode Island Energy
Drew Shelby, National Grid
Mourad Manjikian National Grid

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1.0 INTRODUCTION

On behalf of National Grid LNG, LLC (National Grid), GZA GeoEnvironmental, Inc. (GZA) is pleased to present to the Rhode Island Department of Environmental Management (RIDEM) this *Short-Term Response Action (STRA) Closure Report – Fields Point Liquefaction Project* (FPLP) for the former 121 Terminal Road/ 642 Allens Avenue Manufactured Gas Plant (MGP) located in Providence, Rhode Island (herein referred to as the "Site"). **Figure 1** presents a *Locus Map*. The remedial actions described in this report were conducted in accordance with the *Short-Term Response Action Plan (STRAP) – Fields Point Liquefaction Project* dated May 12, 2017, and *STRAP Addendum –Liquefaction Project* dated October 11, 2017, and applicable provisions of the RIDEM *Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases* (Remediation Regulations, 250-RIRC-140-30-1, as refiled in January 2022). The *STRAP* was approved by RIDEM via issuance of a *Short-Term Response Action Approval Letter* dated October 27, 2017.

This *STRA Closure Report* was prepared in general accordance with Rules 1.7.9 and 1.7.10 of the Remediation Regulations and is subject to the Limitations provided in **Appendix A** and modification if subsequent information is developed by GZA or any other party.

1.1 PROJECT OBJECTIVES

As described in the *STRAP,* this work was performed to address certain environmental conditions consistent with the Remediation regulations in the area surrounding the Liquefaction Facility for the Liquefied Natural Gas (LNG) facility at the Site. The limits of work associated with the FPLP Work Area are presented on **Figure 2** as the "*Project Work Area*" and the limits of soil and groundwater disturbance subject to the *STRAP* are presented as the "*STRA* Area". Only non-intrusive work (for example, above ground piping and conduit) was completed for the portion of the Project Work Area that is outside the STRA Area. **Figure 2** also depicts the location of existing buildings, roads, landscaped areas, and approximate property boundaries based on tax map information at the Site.

These remedial actions were performed between January 28, 2019 and August 24, 2022 and included installing sediment and erosion controls, limited clearing and grubbing, testing and import of clean fill materials, grading and off-Site disposal/recycling of excess materials, management of excess soil and groundwater during earthwork activities for pile installations and utility installations (water, drainage, natural gas and both overhead and underground electric), installation of engineered caps, and restoration activities (fencing and gate installation). All areas of soil and groundwater disturbance have been capped as described herein to mitigate potential direct exposure to underlying impacted soils consistent with RIDEM requirements. The installation of engineered caps included stormwater management via a forebay and lined sand filter with discharge of stormwater to the Providence River. The stormwater management system was approved by the RIDEM Office of Water Resources through issuance of a Water Quality Certification (WQC) 16-069, dated November 21, 2018. As described herein, stormwater is not infiltrated on-Site in accordance with the STRAP.

Photographs of the Short Term Response Action (*STRA)* activities are included in **Appendix B**.

2.0 BACKGROUND

The following sections present a summary of relevant background information for the Site, with focus on the *STRA* Area, including relevant historical operations, regulatory history, and status of the RIDEM-listed Site.

2.1 SITE DESCRIPTION

The Site is located at 642 Allens Avenue in the southeastern portion of the City of Providence, Rhode Island and is identified as Assessor's Plat (A.P.) 56, Lots 5, 273, 316 and 317, and A.P. 101, Lot 1. The Site consists of approximately 42 acres with frontage on Allens Avenue to the west and bounded to the east by the Providence River. It is adjoined to the northwest by Triton Terminaling, and to the south by Terminal Road, the Glen Falls Lehigh Cement Co., and New England Petroleum Terminal Corporation. Current Site operations include natural gas regulation and distribution, gas construction storage, liquefied natural gas (LNG) storage and distribution, natural gas liquefaction, and cement storage and distribution. The entirety of the Site is currently owned by The Narragansett Electric Company (TNEC) d/b/a Rhode Island Energy (RI Energy). NG LNG, LLC holds a lease on A.P. 56 Lot 316 and Holcim US, Inc. (Holcim) holds a lease on A.P. 56 Lot 273. The table below presents a summary of current Site use:

A.P.	Lot	Current Owner	Address	Current Use(s)
101	1	TNEC	642 Allens Avenue	Natural Gas Construction Storage Natural Gas Regulation and Distribution
56	5	TNEC	642 Allens Avenue	Natural Gas Construction Storage Natural Gas Regulation and Distribution
56	273	TNEC	139 Terminal Road	Cement Storage and Distribution
56	316	TNEC	121 Terminal Road	LNG Storage and Natural Gas Liquefaction Facility
56	317	TNEC	121 Terminal Road	Access Road

Site topography is generally level with gentle slopes towards the Providence River, with the exception of the raised liquefaction facility. Based on several rounds of investigations performed at the Site, subsurface conditions generally consist of urban fill underlain by organic silt, glacial outwash, and glacial till. The depth to bedrock is generally more than 150 feet below ground surface (bgs). Groundwater is generally encountered within the fill unit, is classified as GB or not suitable for drinking water use without treatment and flows towards the tidally influenced Providence River.

As presented on **Figure 2**, *Overall Aerial Plan*, the Project Work Area consists of approximately 9.21 acres on the eastern portion of the Site and is located on A.P. 56 Lots 5 and 316. Approximately half of the Project Work Area is utilized as an existing LNG storage and distribution facility and the other half of the Project Work Area is currently vacant. The *STRA* Area (limits of soil and groundwater disturbance associated with the Project) is approximately 4.9 acres. Only non-intrusive work was performed for the portion of the Project Work Area that is outside the *STRA* Area.

A United States Army rifle range operated at the Site in the late 1800s, prior to the use of the Site as a Manufactured Gas Plant (MGP). From 1910 until 1954, an MGP operated at the Site producing coal gas, carbureted water gas, and high-BTU oil gas. MGP by-products were routinely managed through recovery, storage, recycling, reprocessing, and resale. Such by-products included coke, coal tar, ammonia, toluene, and benzene. B.P. Clapp operated an ammonia works at the 642 Allens Avenue property beginning in 1910 and managed the recycling and sale of ammonia by products. The United States Government operated a toluene facility at the Site for a brief period of time during 1918. By 1954, coal gasification operations at the Site had ceased. From 1952 until the 1960s, a liquefied petroleum gas distribution plant operated on the Site. Gulf Oil had a facility at the Site to store kerosene from 1957 to 1971. The southeastern portion of the Site has been utilized for cement storage and distribution since 1961. Propane storage and distribution occurred at the Site from the 1960s to the 1980s for peak shaving purposes. The LNG storage and distribution facility has operated on the eastern and southeastern portions of the Site since the early 1970s.

2.2 SITE REGULATORY HISTORY

RIDEM issued a Letter of Responsibility (LOR) dated February 13th, 1998, to Providence Gas Company. The Site was listed as State Site #98-004 (RIDEM File No. SR-28-1152) following the issuance of the LOR. The Site was listed with RIDEM due to soil and groundwater impacts at concentrations in excess of Method 1 Standards as defined in the Remediation Regulations. Investigation activities have been conducted at the Site in numerous phases since 1994 and have been documented in reports submitted to RIDEM. Constituents detected include, total petroleum hydrocarbons (TPH), cyanide, polynuclear aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), and certain inorganic compounds (primarily arsenic and lead). Sporadic observations of light non-aqueous phase liquids (LNAPL) have been made in specific Site monitoring wells.

Remedial activities have been completed at the Site between 1995 and 2017 under the authority of RIDEM, including remedial activities in the *STRA* Area. On September 6, 2016, RIDEM requested a formal proposal for development of a Public Involvement Plan (PIP). GZA, on behalf of TNEC, submitted the PIP to RIDEM on October 28, 2016; a revised version of the PIP was submitted on May 4, 2017, and June 9, 2017. Consistent with Rule 7.07E of the Remediation Regulations, the PIP was prepared to address relevant and applicable requirements of Rules 6.06 and 7.07 A, B, C and D of the Remediation Regulations. Per Rule 1.7.6 (Public Involvement), the PIP addresses the following primary elements: 1) Public Notice, 2) Fact Sheets and Enhanced Communication, 3) Community Meetings, and 4) Information Repositories. Further information relative to compliance with the PIP is presented in Section 2.4

2.3 PERMITS AND OTHER APPROVALS

The *STRAP* was implemented consistent with the following approvals:

- RIDEM Office of Air Emissions General Permit for Emergency Generator (GPEG-279) October 21, 2016
- RIDEM Office of Waste Management, *STRAP* Approval, dated October 27, 2017
- Coastal Resources Management Council Coastal Zone Management Federal Consistency Determination Letter, dated December 30, 2017
- Federal Energy Review Commission (FERC) order, dated October 17, 2018
- RIDEM Office of Water Resources:
    - Water Quality Certification (WQC) 16-069, dated November 21, 2018
    - Rhode Island Pollutant Discharge Elimination System (RIPDES) Construction General Permit (CGP), dated November 21, 2018

Copies of these permits and approvals are included in **Appendix C**.

2.4 PUBLIC MEETINGS AND PIP REQUIREMENTS

A final PIP was issued to RIDEM June 9, 2017. Per Rule 1.7.6 (Public Involvement), the project included public notification and meetings. Public meetings were held on July 13, 2017, and August 9, 2017. Invitations with information were mailed to all abutters (owners, leasers, and easement holders), the City of Providence, and other invitees including RIDEM and CRMC officials, other interested parties.

The public meetings had language interpretation services available as well as material available in multiple languages as requested. A stenographer was present during public meetings. Attendees were provided with project fact sheets, presentations, and an opportunity for their questions to be addressed. After the public meetings, RIDEM issued a comment letter dated October 6, 2017. On behalf of TNEC, GZA submitted a STRAP Addendum letter dated October 11. 2017, to address public comments to the STRAP.

Per the June 9, 2017, PIP TNEC will provide notice in the form of letters that the STRA activities are complete. TNEC has established a mailing list for the Site. The list includes, abutting property owners, tenants, easement holders, the City of Providence, and the petitioners from the September 6, 2016, Public Involvement Plan Process Initiation Letter. In addition, an electronic copy of the Closure Report will be submitted to the public repository and to RIDEM for posting on the RIDEM website.

3.0 STRA Activities

3.1 CONSTRUCTION SUMMARY

Consistent with the RIDEM-approved *STRAP*, the construction activities for the Fields Point Liquefaction Project included installing sediment and erosion controls, limited clearing and grubbing, testing and import of clean fill materials, grading and off-Site disposal/recycling of excess materials, management of excess soil and groundwater during earthwork activities for pile installations and utility installations (water, drainage, natural gas and both overhead and underground electric), installation of engineered caps and restoration activities (fencing and gate installation). An engineered cap was constructed over all areas of soil and groundwater disturbance to mitigate the potential for direct exposure to underlying impacted soils consistent with RIDEM requirements. The stormwater runoff generated from the new impervious areas in the *STRA* Area is managed via a forebay and lined sand filter system designed in accordance with the *Rhode Island Stormwater Design and Installation Standards Manual* (RISDISM). No infiltration into Site soils was proposed under the *STRAP*.

Kiewit Power Constructors Inc. (Kiewit) performed the majority of the construction activities described herein. GZA personnel were on-Site throughout construction to monitor compliance with the *STRAP* and other permits/approvals.

Construction activities were completed by August 24, 2022, with the as-built survey completed in October 2022. Replacement of monitoring wells within the Project area was completed in February 2023.

The following attached figures were prepared to illustrate the completed *STRA* activities:

- **Figure 4** – *Exploration Location Plan;*
- **Figure 5** – *Remedial Cap Final Grading Plan;*
- **Figure 6** –*Installed Utilities and Stormwater Management Plan;* and
- **Figure 7** – *Remedial Cap Details.*

The engineered caps include asphalt, riprap, concrete, crushed stone, and a sand filter. Further information on each engineered cap is presented in Section 3.7. The limits of each of these engineered caps is depicted on **Figure 5** and details showing cross sections of each cap type are provided on **Figure 7**.

GZA personnel performed a Quality Assurance/Quality Control (QA/QC) survey during cap installation to ensure appropriate cap thicknesses were installed. Kiewit performed a survey of the final grade of the *STRA* Area. Details of the final grade are depicted on the stamped as-built figures included in **Appendix D**.

3.2 PROJECT OVERSIGHT, CONTRACTOR LIST AND EQUIPMENT UTILIZED

A representative of GZA was present on-Site full time during the *STRA* work. GZA monitored and documented construction activities to ensure that the engineered caps and stormwater systems were constructed consistent with the design plans/specifications, the RIDEM-approved *STRAP,* and all relevant permits and approvals. In addition, GZA performed perimeter air monitoring during all intrusive activities. The results of the perimeter air monitoring are described in Section 3.13.

As indicated above, Kiewit was the primary construction contractor for the *STRA* remedial work. Project subcontractors included:

- JR Vinagro Corporation of Johnston, Rhode Island (ABC Disposal);
- Clean Harbors Environmental Services, Inc. (CHES) of Portland, Maine (Water Disposal);
- Environmental Soil Management Inc. (ESMI)/Clean Earth of Louden, New Hampshire (Soil Disposal);
- New England Liner Systems of Plantsville, Connecticut (Sand Filter Liner Installation);
- Iannuccillo and Sons of Providence, Rhode Island (Utility Earthwork);
- Badger of Brownsburg, Indiana (Vacuum Excavation);
- Bond of Medford, Massachusetts (Former Gas Holder foundation evaluation); and
- IPC Lydon of Avon, Massachusetts (Mechanical Services).

Major construction equipment utilized during this work included excavators, loaders, backhoes, dump trucks, forklifts, vibratory plate compactors, vibratory rollers, pavers, vacuum trucks, and hand equipment.

3.3 IMPORT MATERIAL CHARACTERIZATION

Dense grade, various sizes of crushed stone, bedding sand, and C-33 sand were imported to the Site as part of the *STRA* activities.

Prior to the import of engineered soil materials (i.e., bedding sand, C-33 sand, and 0.75" and 1.5" dense grade), GZA collected representative material samples and submitted the samples for analytical testing. Consistent with the *STRAP*, the frequency of sampling and testing of the bedding sand, C-33 sand, and dense grade was as follows:

Analyte	EPA Test Method	Frequency
Priority Pollutant 13 Metals	6010C, 7471B	Every 2,000 CY
Volatile Organic Compounds	8260B low	Every 2,000 CY
Total Petroleum Hydrocarbons	8100M	Every 2,000 CY
Semi-Volatile Organic Compounds	8270D	Every 2,000 CY
Arsenic	6010C	Every 500 CY

GZA collected and transported all import samples under chain-of-custody protocol to ESS Laboratories in Cranston, Rhode Island for analysis. All of the import sampling results were below the RIDEM Method 1 RDEC. Analytical results as well as associated chain-of-custody forms are presented in **Appendix E**.

Prior to the import of quarry run aggregate materials (i.e., crushed stone, riprap, etc.) to the Site, Kiewit obtained and provided certification from the import facility that the aggregate was from a clean source. These certifications are included in **Appendix F**.

The following table summarizes the type, source and quantities of material imported for the project:

PJ Keating, 875 Phoenix Avenue, Cranston, RI	
Material Type	**Quantity**
1 ½ inch Dense Grade	9263.91 CY
12-24 inch Rip Rap/ Crushed Stone	198.95 CY
2-4 inch Crushed Stone	118.3 CY
¾ inch Dense Grade	27.63 CY
¾ inch Washed Crushed Stone	4051.91 CY
Bedding Sand	87.73 CY

Lorusso, 125 Tiffany Street, Attleboro, MA	
Material Type	**Quantity**
¾ inch Crushed Stone	1060.36 CY
1 ½ inch Crushed Stone	128.01 CY
2-4 inch Crushed Stone	99.6 CY
4-6 inch Crushed Stone	102.2 CY

Cardi Corporation, 400 Lincoln Avenue, Warwick, RI	
Material Type	**Quantity**
C-33 Sand	188.64 CY

3.4 SITE PREPARATION WORK

Kiewit mobilized to the Site in January 2019 and began Site preparation activities, which continued through April 2019. Site preparation included installing soil erosion and sediment controls, limited clearing, grubbing, and grading, installing temporary construction fencing, mobilizing construction trailers, storage areas and equipment.

3.4.1 Soil Management Area

Kiewit installed a Soil Management Area (SMA) consisting of a dedicated stockpile area to manage Site soils during construction. The SMA was a concrete block bin lined with polyethylene sheeting and geotextile fabric. The bin was covered by asphalt along the interior and against the concrete blocks. The asphalt pavement was sloped to allow for water collection and subsequent management. Additional information regarding soil management in the SMA is included in Section 3.9.

3.4.2 Soil Erosion and Sedimentation Control Installation

Kiewit installed and monitored the following control measures to mitigate the potential migration of sediments and dusts and to control surface water flow during construction:

- Filtrexx Soxx compost filter tubes were installed along the perimeter of the STRA area and around catch basins;
- Silt sacks were installed in catch basins within the STRA area;
- A stone tracking pad was installed at the construction entrance to the STRA Area. The tracking pad was approximately 20-feet wide and 50-feet long and consisted of stabilized stone layered over geotextile fabric;
- An asphalt pad surrounded by concrete blocks was installed to manage/ stockpile clean imported material;
- Site soils were stockpiled on top of concrete surface and were covered by polyethylene sheeting at the end of each workday. Soil stockpiles were also surrounded by Filtrexx Soxx; and
- Water or calcium chloride was applied as necessary for dust minimization;

Photos of these controls are included in **Appendix B**. In accordance with the RIDEM WQC/RIPDES permit, GZA developed a Soil Erosion and Sedimentation Control (SESC) plan and inspected the controls on a weekly basis and after precipitation events resulting in 0.25 inches of rain in 24-hours. Repairs were made to erosion control devices when deficiencies were noted during inspections.

3.5 SUBGRADE PREPARATION

3.5.1 Driven / Micropile Operations

Kiewit began driving concrete piles and micropiles within the *STRA* Area in April 2019 and continued driving concrete piles through May 2020. Driven concrete piles and micropiles were installed to support the future revetment, buildings, and equipment foundations. Generated water/ drill wash water from the micropile drilling operations were containerized into settling tanks/fractionation tanks, with wash water recirculated during the drilling process. Wash water that contained evidence of NAPL was not recirculated. Sediment and drill spoils from the micropile operations were transported to the SMA and were amended as needed to improve moisture content prior to off-Site transport and disposal. Equipment utilized included a Comacchio MC-22, Grout agitator, 70 T Mantis Crawler Crane, HBR 122D3H Manipulator, Casagrande C9 Drill Rig, Penndrill Silo, and 2" submersible pumps. Equipment associated with the micropile operation was demobilized in May 2020.

3.5.2 Excavation, Filling, Backfilling, and Grading

Kiewit performed several excavations during construction for building and equipment foundation work and underground utilities. Kiewit also performed excavation as needed to remove obstructions for pile driving. Vacuum excavation work was conducted within the *STRA* Area during the installation of piles and to locate underground utilities. Other excavation activities included the installation of fencing, the sand filter and associated drainage, electrical duct banks, utility trenches, and other miscellaneous construction tasks. During excavation work, Site soils were reused to the extent possible beneath the engineered cap and stockpiled in the SMA and covered with polyethylene sheeting at the end of each workday.

Kiewit raised the grade in the majority of the *STRA* Area, as illustrated by comparing **Figure 3** to **Figure 5**. Surface grades were increased by approximately 9 to 11 feet. The filling activities were performed in phases beginning in June 2019 with completion in May 2022. Fill material consisted of clean imported dense grade, which was placed and compacted in lifts. Site soils were not used as fill material as the Site soils did not meet the geotechnical specifications for the Project. GZA collected and analyzed all clean import material for comparison with the Method 1 Residential Direct Exposure Criteria (RDEC) in accordance with the *STRAP*; refer to Section 3.3. for details.

3.5.3 Concrete Foundation Construction

After the installation of piles across the *STRA* Area, construction was performed for the necessary building and equipment foundations. Concrete foundations were constructed for the east-west and north-south pipe racks, equipment foundations, Nitrogen storage tank, and LNG building facilities. Construction of the concrete foundations began in January 2020 and continued through September 2020. During foundation construction, Kiewit utilized a concrete washout to contain extra concrete material and concrete wash water. Concrete wash water was containerized in frac tanks and disposed off-Site as needed by CHES. More information on construction water management is included in Section 3.8.

3.6 STORMWATER SYSTEM INSTALLATION

Components for the stormwater system included pre-cast concrete structures and piping; including manhole structures (MH-101, MH-301, MH-302, MH-303) catch basin inlets (CBs-102-108, CB-401, CB-403), manhole structures MH-201 and MH-402 which were converted to catch basins, a sand filter and sediment forebay system, and piping sections. The layout, dimensions, and elevations of the stormwater management systems were surveyed and are depicted on **Figure 6**, *Installed Utilities and Stormwater Management Plan*. Installation work was completed in accordance with the November 2018 WQC.

Kiewit began excavation for the sediment forebay in September 2021. Kiewit placed crushed stone at the bottom of the sediment forebay to stabilize the soils and achieve the appropriate subgrade elevation. The concrete sediment forebay was poured in place.

Kiewit began the excavation for the sand filter in March 2022. The sand filter excavation was approximately 50 feet wide, 60-feet long and 5-feet deep. Kiewit spread crushed stone over the bottom of the excavation to stabilize soils and achieve the appropriate subgrade elevation. Once the dimensions of the sand filter were established, Kiewit placed geotextile fabric along the bottom of the sand filter. New England Liners installed a 60 mil Linear Low-Density Polyethylene (LLDPE) liner over the area. QA/QC testing of each roll of LLDPE liner was performed prior to delivery to the Site. New England Liners performed tensile tests and weld tests on-Site during installation. QA/QC information for the sand filter is included as **Appendix I**. New England Liners also installed a boot seal around the underdrain outlet pipe for the sand filter. Kiewit completed the sand filter by installing geotextile fabric over the LLDPE liner, followed by the pea stone underdrain system, C-33 sand, and crushed stone/riprap stabilization.

In areas where groundwater was encountered, it was pumped into an on-Site frac tank for subsequent off-Site disposal (described further below in Section 3.8). Photos of the stormwater system installation are included in **Appendix B**.

3.7 ENGINEERED CAP INSTALLATION

As part of the remedial work, an engineered cap was installed over areas disturbed by work performed by Kiewit or Kiewit's subcontractors. The RIDEM-approved engineered caps consist of asphalt cap, riprap cap, crushed stone caps, concrete cap, gravel roadway cap and a sand filter cap. Further information is detailed in the sections below. The layout of the engineered capping completed as part of the STRA activities is depicted on **Figure 5,** *Remedial Cap Final Grading Plan* as well as **Figure 7,** *Remedial Cap Details.*

Photographs depicting the installation of the engineered caps are included in **Appendix B**.

3.7.1 Asphalt Pavement Cap

The asphalt cap required a minimum lift of 4-inches of asphalt underlain by a minimum of 6-inches of processed gravel or sand. Approximately 41,088 square feet (0.94 acres) of the *STRA* Area is covered with an asphalt cap.

3.7.2 Riprap Cap

The riprap cap requires a minimum of 12-inches of imported riprap material underlain with non-woven geotextile fabric. Approximately 5,351 square feet (0.12 acres) of the *STRA* Area is covered with a riprap cap.

3.7.3 Crushed Stone Caps

The crushed stone cap without a geotextile fabric required a layer of a minimum of 6-inches of imported crushed stone underlain by at least 18 inches of processed gravel or sand. The crushed stone with a geotextile cap included 4 to 6 inches of imported crushed stone underlain with 6 to 8-inches of processed gravel or sand underlain with a non-woven geotextile. Approximately 73,333 square feet (1.68 acres) of the *STRA* Area is covered with a crushed stone cap.

3.7.4 Concrete Engineered Cap

The concrete cap required a minimum lift of 4-inches of concrete underlain by a minimum of 6-inches of processed gravel or sand. Approximately 27,275 square feet (0.63 acres) of the *STRA* Area is covered with a concrete cap.

3.7.5 Sand Filter Engineered Cap

The sand filter required a minimum of 18-inches of approved C-33 sand, underlain by geotextile fabric, 12-inches of 3/8-inch pea stone, and Linear Low-Density Polyethylene (LLDPE) liner system. Approximately 3,270 square feet (0.08 acres) of the *STRA* Area is covered by the sand filter cap.

3.8 DEWATERING AND CONSTRUCTION WATER DISPOSAL

Dewatering was required several times during the *STRA* work. All construction water created during dewatering was containerized in on-Site fractionation tanks for off-Site disposal. No construction water or dewatering fluids were infiltrated at the Site. Construction water disposal was scheduled with Clean Harbor Environmental Services (CHES) on an as-needed basis, with GZA facilitating the coordination between National Grid, their approved transporters and the receiving facilities for construction water disposal from the Site. Approximately 458,739 gallons of construction water was disposed of from the *STRA* area. National Grid, or their agent signed all manifests and bills of lading (BOLs) which can be found in **Appendix G**, *Soil Disposal Bills of Lading* and **Appendix H***, Groundwater Disposal Bills of Lading.*

Soil generated during the decontamination of the fractionation tanks process was removed from the Site with other excess Site soils by ESMI. Copies of all documentation of the off-Site disposal of these materials is included in **Appendix G**.

3.9 SOIL MANAGEMENT

Soils excavated during the *STRA* implementation were stockpiled for storage within the *STRA* Area SMA. The SMA was inspected by GZA and National Grid on a regular basis and repaired by Kiewit as needed. All soil erosion and sediment control (SESC) measures were installed and maintained in compliance with the Project SESC Plan, which included Filtrexx Soxx around the stockpile area and the stockpiles being covered by polyethylene sheeting daily. The SMA was located outside of the 200-foot Coastal Resource Management Council (CRMC) jurisdictional buffer; within the FERC-approved limits; and within the limits defined in the *STRAP* Addendum/ Approval. At the end of construction, the SMA structure materials (i.e., concrete bins, asphalt, polyethylene sheeting, geotextile) were properly disposed of by the Kiewit.

As previously indicated, excavated soil was reused to the extent possible beneath the engineered cap during STRA activities and all excess soil was transported off-Site to a licensed receiving facility. Note, site soil re-use was limited because site soils did not meet geotechnical specifications for the Project. GZA facilitated coordination between National

Grid and ESMI transporters and receiving facilities for removal of excess soil generated in the *STRA* Area. Soil was transported to ESMI/Clean Earth in Louden, New Hampshire for thermal desorption treatment/recycling. Prior to off-Site transport, representative samples were collected from the stockpiled soil and analyzed for the following, in accordance with the frequency requirements of ESMI:

Analyte	EPA Test Method
Total Metals	6010C, 6020A, 7471B
Total Volatile Organic Compounds (TVOC)	8260B
Organochloride Pesticides	8081B
Poly-Chlorinated Biphenyls (PCBs)	8082A
Total Petroleum Hydrocarbons	8100M
Chlorinated Herbicides	8151A
Semi-Volatile Organic Compounds	8270D
Conductivity	9050A
pH	9045
Flashpoint	1010
Reactive Cyanide	7.3.3.2
Reactive Sulfide	7.3.4.1
Toxicity Characteristic Leaching Procedure (TCLP)	1311, 6010C
TCLP VOCs	1311, 8260B
Total Cyanide	9014
Total Sulfur	D4239

Approximately 19,816.64 tons of soil were transported off-site to ESMI as part of the STRA work. Copies of all laboratory reports and documentation of offsite transport of these soils is included in **Appendix G**.

3.9.1 EXCESS ABC DISPOSAL

Excess Asphalt, Brick and Concrete (ABC) materials, including demolished asphalt and cement, were collected in an open top, 20 cubic yard (CY) roll off dumpster for regular disposal by J.R. Vinagro Corporation of Johnston, RI. Approximately 1800 CY of ABC materials were removed from the Site. GZA performed visual inspections daily and prior to off-Site transport to ensure only applicable materials were disposed of, including no visible Site soils within the dumpster.

3.9.2 DRUM EXPORT

Excess construction waste materials, such as oily debris created from micropile recirculation, secondary containment pads, and boom replacements, were collected in 55-gallon drums for regular disposal. Oily debris included pick-up and disposal were completed by Clean Harbor Environmental Services. A total of 52 drums were removed from the Site for off-Site disposal.

3.10 OTHER SITE RESTORATION ACTIVITIES

New fencing, gates and electrical utilities are illustrated on **Figure 6**, *Installed Utilities and Stormwater Management Plan*. Photos of the site restoration are included in **Appendix B**.

3.10.1 Fencing and Gates

A new double perimeter chain-link fence was installed in portions of the *STRA* Area to serve as security fencing around the Site. Two vehicle access gates were installed proximate to the western *STRA* Area boundary. New vapor barrier

fencing was also installed along the northern and western *STRA* Area boundaries. The construction of the vapor barrier fencing began in January 2022 and was completed in April 2022.

3.10.2 Electrical Work

A series of concrete cast conduits were installed into electrical duct bank trenches to provide the *STRA* Area with electrical utilities. Overhead electrical utilities were decommissioned throughout project phases and transitioned to the underground utilities. The duct banks, illustrated on **Figure 6**, were backfilled, and brought to final grade in accordance with the capping requirements.

3.11 MONITORING WELL DECOMMISSIONING AND REPLACEMENT

In accordance with the RIDEM-approved *STRAP*, nine (9) replacement monitoring wells were installed (GZ-311DR, GZ-313DR, GZ-315DR, GZ-318DR, RCA-3R, RCA-5R, VHB-3R, VHB-21R, and VHB-22R) as shown on the attached **Figure 4,** *Exploration Location Plan*. All nine explorations were executed via push driven Geoprobe methods. Wells GZ-311DR, GZ-313DR, GZ-315DR, GZ-318DR, RCA-3R, RCA-5R, VHB-3R, VHB-21R, and VHB-22R were installed in February 2023.

Prior to installation, GZA conducted Site reconnaissance to coordinate DigSafe® clearance and to visually evaluate access restrictions. GZA coordinated with National Grid to evaluate the locations with the layout of known utilities and other possible historical features.

All borings were in advanced of a depth of approximately 15 feet below ground surface (bgs), except for GZ-311DR, GZ-313DR, GZ-315DR, and GZ-318DR which were advanced to approximately 30 feet bgs. Borings were performed via GeoProbe drilling techniques with dedicated continuous sampling sleeves. A GZA field engineer was onsite to record boring activities, collect samples for field screening and characterization, and complete boring logs at each location. The recovered soil from each sample interval was logged using modified Burmeister classification system, field-screened for presence of total volatile organic compounds (TVOCs) with a Photoionization Detector (PID) and evaluated for the presence of staining and odors. GZA also performed photo-documentation of each soil sampling interval. As these were replacement monitoring wells, no analytical testing for soil was conducted.

The wells were constructed of 2-inch diameter Schedule 40 PVC in accordance with standards specified in Rhode Island Water Quality Regulations (https://rules.sos.ri.gov/regulations/part/250-150-05-3) to a total depth of approximately 15 feet below ground surface (bgs) (shallow wells RCA-3R, RCA-5R, VHB-3R, VHB-21R, and VHB-22R) or 30 feet bgs (deep wells GZ-311DR, GZ-313DR, GZ-315DR, and GZ-318DR). For each shallow well, the screen was set to span the natural water table encountered during drilling (typically within the fill unit or underlying sand unit – assumed to be approximately 10 to 12 feet bgs). For the deep well, the screen was set with midpoint at least 10 feet below the natural water table encountered during drilling. A sand filter pack was installed in the annular space around the well screen and extended approximately 1-foot above the well screen. An approximate 1-foot (minimum) bentonite seal was placed above the filter pack and the remaining borehole above the bentonite was backfilled with clean filter sand. Wells GZ-311DR, GZ-313DR, GZ-315DR, GZ-318DR, RCA-3R, RCA-5R, VHB-3R, VHB-21R, and VHB-22R were completed with road boxes.

3.12 HEALTH AND SAFETY AND ENVIRONMENTAL MONITORING

Prior to initiating STRA activities, GZA and Kiewit prepared written Site-specific Health and Safety (H & S) plans, which were adhered to during the work. Daily health and safety briefings were held, during which individuals working on-Site were briefed on potential health and safety related issues and required safety precautions prior to starting daily activities. The health and safety meetings covered a review of the provisions of the Site-specific H & S Plan, appropriate events or concerns, and anticipated concerns or safety measures for a component of the project.

3.13 PERIMETER AIR MONITORING RESULTS

In accordance with the RIDEM-approved *STRAP*, real time air monitoring was performed during all STRA activities utilizing six (6) Air Quality Monitoring (AQM) Stations[1] along the perimeter of the STRA area, with the following instrumentation:

- Portable Photoionization Detector (PID) MiniRAE – this instrument measured total volatile organic compounds (TVOC) with a detection limit of 1.0 parts per million (ppm). TVOC readings were measured every 10 seconds and an average was electronically logged every 3 minutes.

- DustTRAK Dust Meter – this dust meter used infrared electromagnetic radiation to sense airborne particles less than 10 microns in size. The detection limit for this instrument was 1 microgram per cubic meter (µg/m^3). Similar to the PID, readings were measured every 10 seconds and an average electronically logged every 3 minutes.

The following table presents the real-time monitoring threshold levels for the perimeter of the STRA work area.

Real-Time Perimeter STRA Work Area Action Levels	
Compound	**Perimeter of STRA Work Area**
Total Volatile Organic Compounds (TVOC)	1.0 ppm
Respirable Particulate Dust (PM_{10})	1 µg/m^3

The PID and DustTRAK Dust Meter were calibrated at the beginning of each day. Data was documented and reported to RIDEM on a weekly basis. Copies of the weekly AQM reports are included in **Appendix J**.

When an exceedance of TVOC or Particulate Dust was observed, GZA personnel on Site would investigate potential sources for the exceedance. When a cause was determined, a course of action for remediation was identified and executed. There were relatively few project related exceedances, as the majority of exceedances were determined to be a result of the *STRA* Area being located in an active port and industrial area or other non-project related occurrences. Further details on each exceedance noted can be found in **Appendix J**.

3.14 DECONTAMINATION PROTOCOL

The decontamination protocol included multiple sediment track-out pads to remove sediment from tires prior to exiting the site, highly visible locations for the storage of spill prevention and control equipment, and clearly marked designated washout areas (such as wheel washing stations, washout for concrete, paint, stucco, etc.). Additionally, during remediation efforts involving asbestos, decontamination rooms were utilized.

3.14.1 Boom Maintenance

During the entirely of the STRA work, the existing oil boom containment system located in the Sassafras Cove area of the Providence River, was inspected during every workday and maintained as needed. The boom system is approximately 600-feet in length, includes a silt curtain with perma-boom and absorbent boom sections. Regular maintenance work

[1] The Air Quality Monitoring (AQM) Program presented in the October 2017 STRAP Addendum included three (3) unmanned continuous air monitoring stations along the perimeter of the STRA area complemented by three (3) additional perimeter air monitoring locations (subject to modification based on earthwork) for the collection of handheld air monitoring readings. In January 2020, the AQM Program was revised to include a total of six (6) fixed unmanned air monitoring stations.

also included scheduled inspections (monthly basis) of outfalls #1 and #2 for sheen outbreaks and checking the status of fittings, perma-boom, and absorbent booms. Repairs or replacements occurred on an 'as-needed' basis by CHES.

4.0 Certification

To address Section 1.7.10 of the Remediation Regulations, the following certifications of completeness are provided:

GZA certifies that the information provided in this Short Term Response Action Closure Report is complete and accurate to the best of GZA's knowledge.

Margaret S. Kilpatrick, P.E.
Principal
GZA GeoEnvironmental, Inc.

Drew Shelby, representative of the National Grid LNG LLC certifies to the best of her knowledge that this Short Term Response Action Closure Report is a complete and accurate representation of the circumstances known about the release and the subsequent response activities.

_____
Drew Shelby
Lead Environmental Scientist
National Grid

FIGURES

NATIONAL GRID LNG, LLC
FIELDS POINT LIQUEFACTION PLANT
PROVIDENCE, RHODE ISLAND
SHORT TERM RESPONSE ACTION CLOSURE REPORT

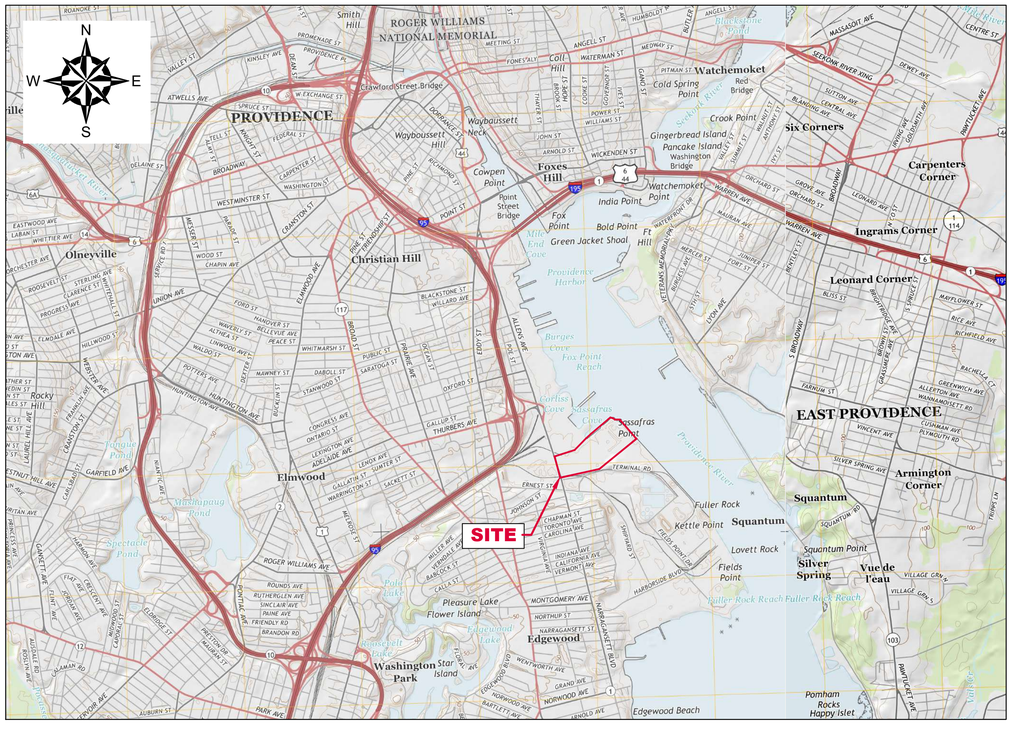
SUBMISSION

PREPARED FOR:

nationalgrid

PREPARED BY:

GZA GEOENVIRONMENTAL, INC.
188 VALLEY STREET, SUITE 300
PROVIDENCE, RHODE ISLAND 02909



LOCUS MAP

SOURCE: USGSSTORE.GOV

0 1000' 2000' 4000' 6000'

SCALE: 1 INCH = 2000 FEET

SHEET LIST TABLE	
SHEET #	SHEET TITLE
1	COVER, LOCUS, AND INDEX TO DRAWINGS
2	OVERALL AERIAL PLAN
3	PRE-CONSTRUCTION SITE PLAN
4	EXPLORATION LOCATION PLAN
5	REMEDIAL CAP FINAL GRADING PLAN
6	INSTALLED UTILITIES AND STORMWATER MANAGEMENT PLAN
7	REMEDIAL CAP DETAILS

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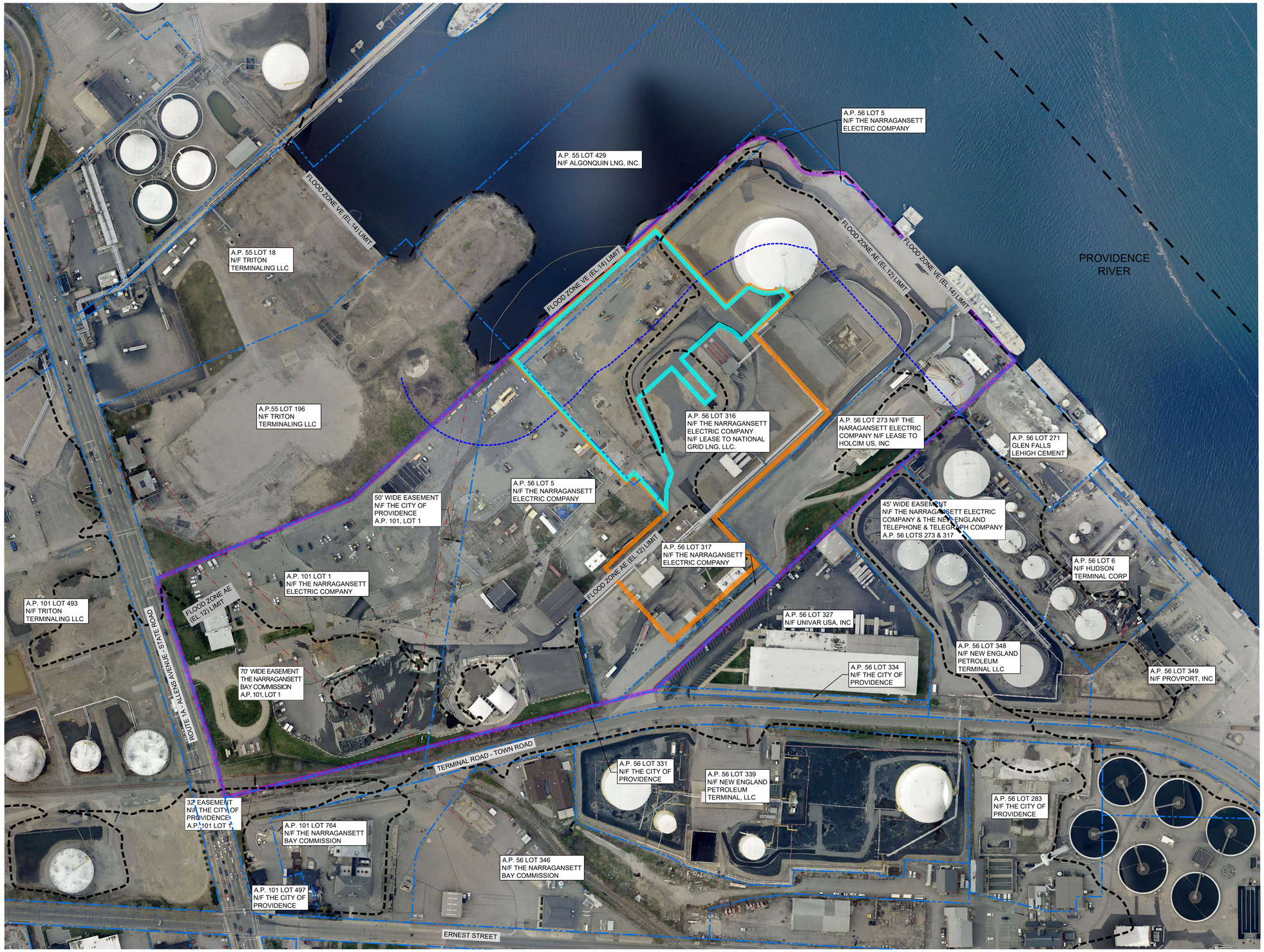
THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY NATIONAL GRID OR THE NATIONAL GRID'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA AND NATIONAL GRID. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA AND NATIONAL GRID, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA AND NATIONAL GRID.



LEGEND:

- PROPERTY LINES
- 642 ALLENS AVENUE FORMER MGP SITE
- CRMC 200-FOOT JURISDICTIONAL LINE
- EASEMENT AREA
- FLOOD ZONE VE (EL. 14) LIMIT
- FLOOD ZONE AE (EL. 12) LIMIT
- PROJECT WORK AREA
- STRA AREA (LIMITS OF SOIL AND GROUNDWATER DISTURBANCE)

REFERENCE NOTES:

1. BASE MAP DEVELOPED FROM RHODE ISLAND'S RIGIS AERIAL IMAGERY PUBLISHED IN APRIL 2019.
2. PROPERTY LINES AND LOT INFORMATION ESTABLISHED FROM INFORMATION PROVIDED ON A DRAWING ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3.
3. EASEMENT LOCATIONS WERE DEVELOPED FROM THE FOLLOWING:
   - ELECTRONIC CAD FILE "ACAD-7257PL.DWG" PROVIDED BY VANASSE HANGEN BRUSTLIN (VHB) ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3 AND AERIAL MAPPING BY WSP TRANSPORTATION AND INFRASTRUCTURE DATED JANUARY 15, 2014 PREPARED FOR NATIONAL GRID LAND SURVEYING DEPARTMENT, WALTHAM, MASSACHUSETTS AND CAD FILE NO. 09303023.052-1.DWG. PLANS PROVIDED BY NATIONAL GRID.
   - DESCRIPTIONS PROVIDED IN THE CITY OF PROVIDENCE DEED BOOK (BK) 470 PAGES 224 - 229, BK 561 PAGES 326 - 328, BK 1111 PAGES 752 -756 AND BK 5249 PAGES 219 - 322.
4. FLOOD ZONE HAZARD AREA DATA WERE PROVIDED BY RHODE ISLAND GEOGRAPHIC INFORMATION SYSTEM (RIGIS) AND DERIVED FROM STATEWIDE DIGITAL FLOOD INSURANCE RATE MAP (DFIRM) DATABASE, ORIGINALLY PUBLISHED BY FEMA IN OCTOBER 2015.
5. SITE BOUNDARIES ARE APPROXIMATE.

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N
W E
S

0 60' 120' 240' 360'
SCALE IN FEET 1" = 120'

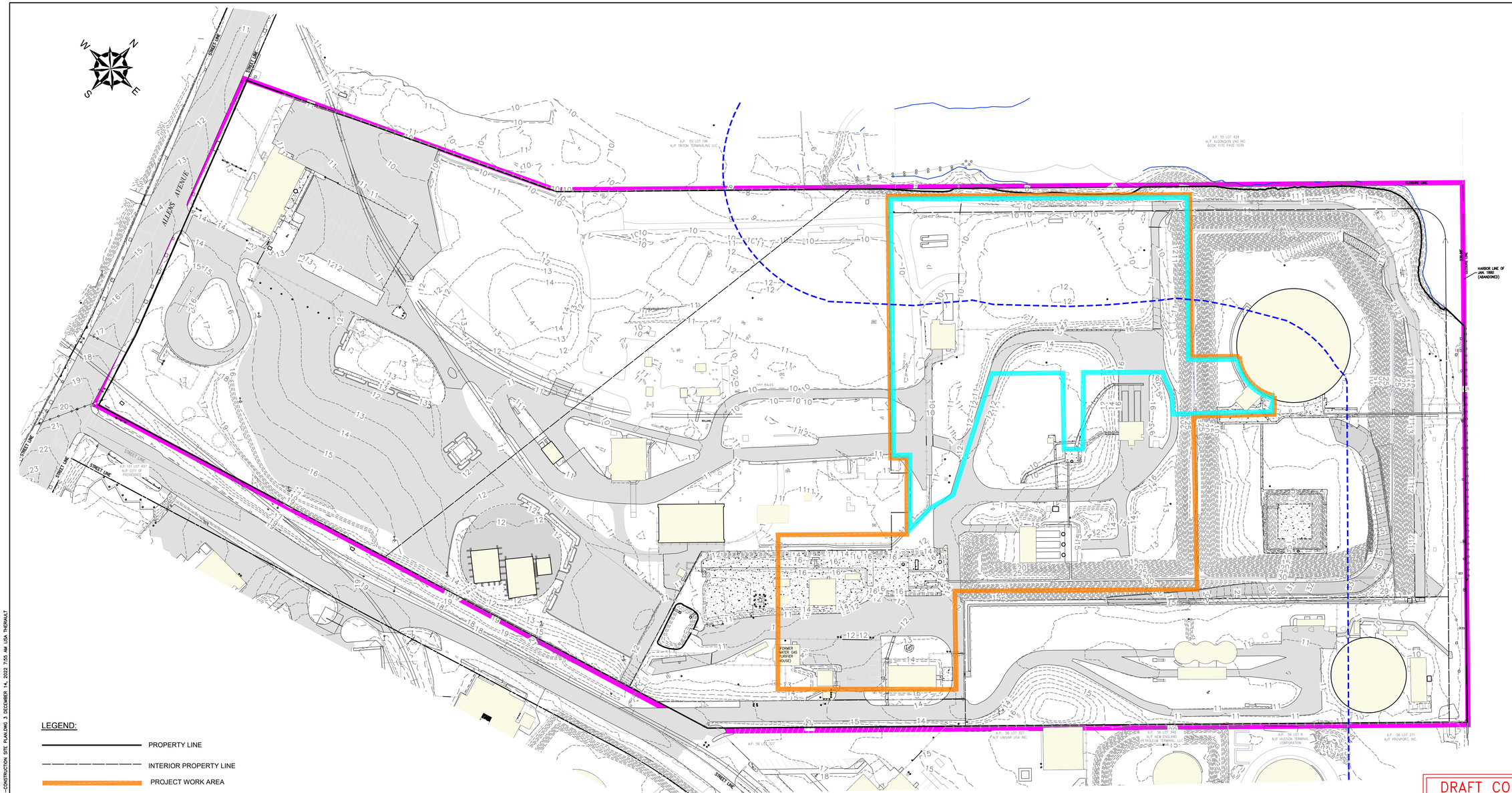
THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY NATIONAL GRID OR THE NATIONAL GRID'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA AND NATIONAL GRID. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA AND NATIONAL GRID, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA AND NATIONAL GRID.

NATIONAL GRID
STRA CLOSURE REPORT
LIQUEFACTION PLANT - PROVIDENCE, RHODE ISLAND

OVERALL AERIAL PLAN

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		nationalgrid	
PROJ MGR: SH	REVIEWED BY: MK	CHECKED BY: MK	FIGURE 2
DESIGNED BY: SH	DRAWN BY: LDT	SCALE: AS NOTED	
DATE: SUBMISSION	PROJECT NO. 33554.04	REVISION NO. 0	SHEET NO. 2 OF 7

2022- GZA GeoEnvironmental, Inc. G:\ZA-\JW\33554.04-SN\FIGURES\CAD\DWGS\STRA-LIQUEFACTION\Z_33554.04_OVERALL AERIAL.DWG 2 DECEMBER 14, 2022 7:42 AM LISA THERAULT



LEGEND:

- PROPERTY LINE
- INTERIOR PROPERTY LINE
- PROJECT WORK AREA
- STRAP AREA (LIMITS OF SOIL AND GROUNDWATER DISTURBANCE)
- 642 ALLENS AVENUE FORMER MGP SITE
- EXISTING BUILDING
- UTILITY POLE
- LIGHT POLE
- STEEL POST
- PILING
- EDGE OF WATER
- 200 FOOT CRMC SETBACK
- FENCE
- EXISTING CONTOUR (MAJOR 5 FOOT INTERVAL)
- EXISTING CONTOUR (MINOR 1 FOOT INTERVAL)
- PAVEMENT
- CONCRETE

GENERAL NOTES:

1) EXISTING CONDITIONS BASE MAP DEVELOPED FROM THE FOLLOWING:
   - ELECTRONIC CAD FILE "ACAD-7257PL.DWG" PROVIDED BY VANASSE HANGEN BRUSTLIN (VHB) ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3 AND AERIAL MAPPING BY WSP TRANSPORTATION AND INFRASTRUCTURE DATED JANUARY 15, 2014 PREPARED FOR NATIONAL GRID LAND SURVEYING DEPARTMENT, WALTHAM, MASSACHUSETTS AND CAD FILE NO. 09303023.052-1.DWG
   - ON-SITE INVESTIGATIONS AND SURVEYS BY GZA PERSONNEL DURING VARIOUS SITE VISITS BETWEEN 2011 AND 2022.
2) PROPERTY LINES AND LOT INFORMATION ESTABLISHED FROM INFORMATION PROVIDED ON A DRAWING ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3.
3) HORIZONTAL DATUM IS BASED ON NAD 1983 FROM BASE MAPPING PROVIDED BY VHB.
4) VERTICAL DATUM IS BASED ON NAVD 1988 FROM BASE MAPPING PROVIDED BY VHB.

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0 40 80 160 240
SCALE IN FEET 1" = 80'

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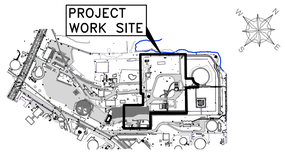
NATIONAL GRID
STRA CLOSURE REPORT
LIQUEFACTION PLANT - PROVIDENCE, RHODE ISLAND

PRE-CONSTRUCTION SITE PLAN

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		nationalgrid	
PROJ MGR: SH	REVIEWED BY: MK	CHECKED BY: MK	FIGURE 3
DESIGNED BY: SH	DRAWN BY: LDT	SCALE: AS NOTED	
DATE: SUBMISSION	PROJECT NO. 33554.04	REVISION NO. 0	SHEET NO. 3 OF 7

2022- GZA GeoEnvironmental, Inc. G:\ZA-JV\33554.04\FIGURES\CAD\DWGS\STRA-LIQUEFACTION\3_33554.04_PRE-CONSTRUCTION SITE PLAN.DWG 3 DECEMBER 14, 2022 7:50 AM USA THERAULT



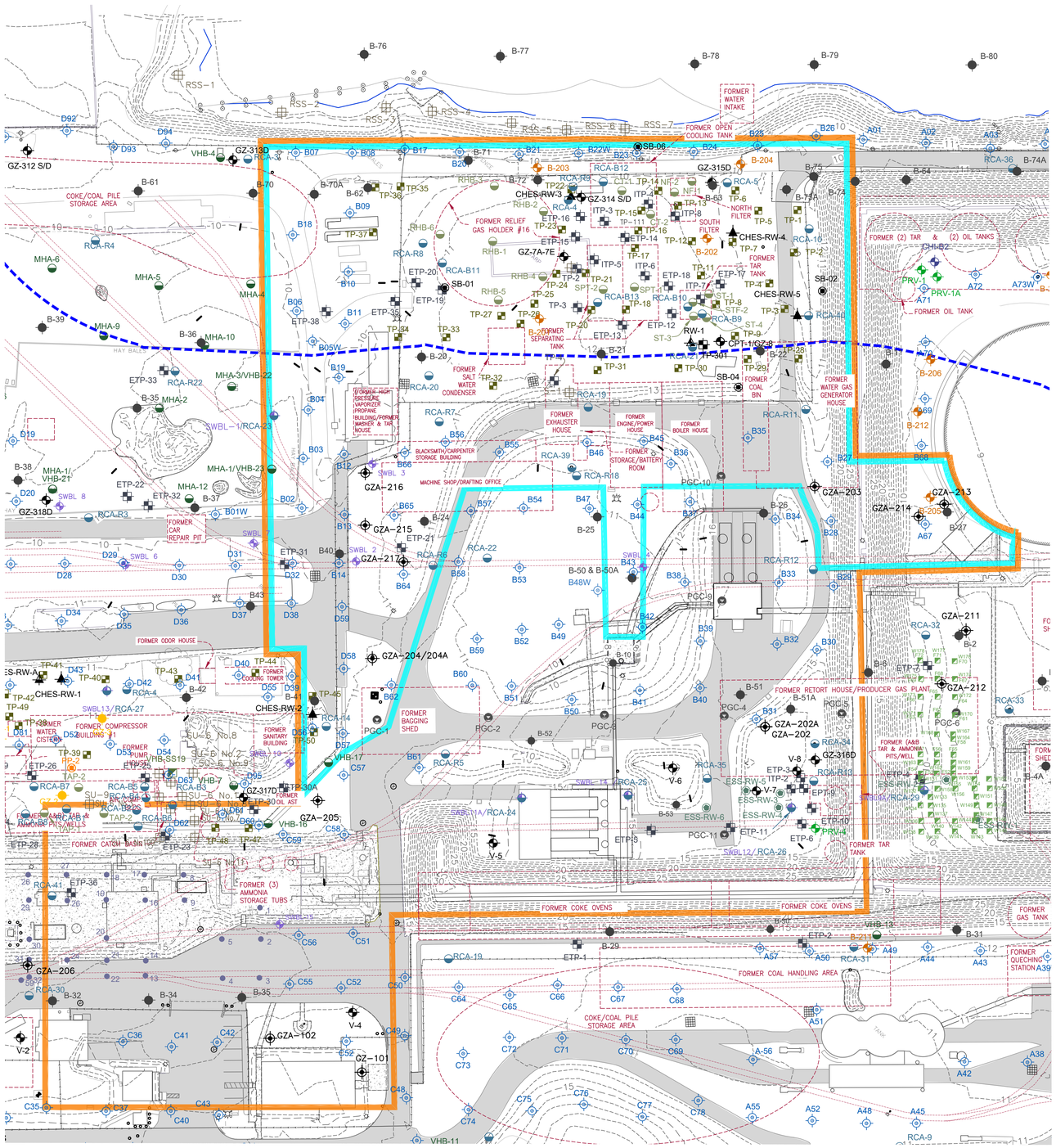
KEY PLAN:
SCALE: 1"=800'

EXPLORATION LEGEND:

GZ-500 S/D	ENVIRONMENTAL BORING OBSERVED BY GZA IN 2021
GZ-401	ENVIRONMENTAL BORING OBSERVED BY GZA IN 2015
GZ-314 S/D	ENVIRONMENTAL BORING OBSERVED BY GZA IN 2014
VHB-7	ENVIRONMENTAL BORING OBSERVED BY VHB IN 2002 AND 2003
F47	ENVIRONMENTAL BORING OBSERVED BY ESS IN 1999 AND 2000
1	ENVIRONMENTAL BORING OBSERVED BY ESS IN 1999
RHB-1	ENVIRONMENTAL BORING OBSERVED BY ESS IN 1998
RCA-40	ENVIRONMENTAL BORING OBSERVED BY RCA BETWEEN 1994-1996
TP-301	ENVIRONMENTAL TEST PITS OBSERVED BY GZA IN 2014
VHB TP-101	ENVIRONMENTAL TEST PITS OBSERVED BY VHB IN 2008
TP-39	ENVIRONMENTAL TEST PITS OBSERVED BY VHB IN 2002
ETP-4	ENVIRONMENTAL TEST PITS OBSERVED BY RCA IN 1995 AND 1996
SS–301	SURFACE SOIL SAMPLE COLLECTED BY GZA IN 2014
VHB-SS2	SURFACE SOIL SAMPLE COLLECTED BY VHB IN 2003
SU–6 No.9	SURFACE SOIL SAMPLE COLLECTED BY RCA IN 1994 AND 1995
RSS–1	SEDIMENT SAMPLE COLLECTED BY RCA IN 1994 AND 1995
RW-1	RECOVERY WELL INSTALLED BY CHES OBSERVED BY GZA IN 2014
CHES-RW-1	RECOVERY WELL INSTALLED BY CHES OBSERVED BY VHB IN 2002
ESS-RW-1	RECOVERY WELL INSTALLED BY ESS IN 1999 AND 2000
SB-01	GEOTECHNICAL BORING OBSERVED BY WEIDLINGER ASSOCIATES, INC. (WAI) IN 2015
GZA–206	GEOTECHNICAL BORING OBSERVED BY GZA IN 2005
GZ–1	GEOTECHNICAL BORING OBSERVED BY GZA IN 2004
SWBL13	GEOTECHNICAL BORING OBSERVED BY SWEC IN 1995
B-207	GEOTECHNICAL BORING PERFORMED FOR PROVIDENCE GAS COMPANY IN 1973
B–25	GEOTECHNICAL BORING OBSERVED BY HALEY & ALDRICH IN 1971 AND 1972
PGC-8	GEOTECHNICAL BORING PERFORMED FOR PROVIDENCE GAS COMPANY IN 1912
B-211	GEOTECHNICAL BORING PERFORMED BY GOLDER ASSOCIATES IN 2016
GZ-3	GEOTECHNICAL BORING PERFORMED BY GEOLOGIC IN 2016
PP-2	GEOTECHNICAL BORING PERFORMED BY PROCESS PIPELINE SERVICES IN 2015
W155	CONFIRMATORY SOIL SAMPLE LOCATION COLLECTED BY ESS IN 1999
CHES-RW-A	RECOVERY WELL INSTALLED BY CHES OBSERVED BY GZA IN 2017

LEGEND:

- PROPERTY LINE
- INTERIOR PROPERTY LINE
- PROJECT WORK AREA
- STRAP AREA (LIMITS OF SOIL AND GROUNDWATER DISTURBANCE)
- EXISTING BUILDING
- UTILITY POLE
- LIGHT POLE
- STEEL POST
- PILING
- EDGE OF WATER
- EXISTING FENCE
- HISTORICAL RAILROAD TRACKS
- EXISTING CONTOUR (MAJOR 5 FOOT INTERVAL)
- EXISTING CONTOUR (MINOR 1 FOOT INTERVAL)
- HISTORICAL STRUCTURE OR FEATURE
- PAVEMENT
- EXISTING CONCRETE PAD
- 200 FOOT CRMC SETBACK



GENERAL NOTES:

1) EXISTING CONDITIONS BASE MAP DEVELOPED FROM THE FOLLOWING:
   - ELECTRONIC CAD FILE "ACAD-7257PL.DWG" PROVIDED BY VANASSE HANGEN BRUSTLIN (VHB) ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3 AND AERIAL MAPPING BY WSP TRANSPORTATION AND INFRASTRUCTURE DATED JANUARY 15, 2014 PREPARED FOR NATIONAL GRID LAND SURVEYING DEPARTMENT, WALTHAM, MASSACHUSETTS AND CAD FILE NO. 09303023.052-1.DWG
   - ON-SITE INVESTIGATIONS AND SURVEYS BY GZA PERSONNEL DURING VARIOUS SITE VISITS BETWEEN 2011 AND 2019.
2) PROPERTY LINES AND LOT INFORMATION ESTABLISHED FROM INFORMATION PROVIDED ON A DRAWING ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3.
3) EXPLORATION LOCATION PLANS WERE DEVELOPED FROM THE FOLLOWING:
   - SITE PLANS PROVIDED BY RESOURCE CONTROLS ASSOCIATES (RCA) IN THE RIDEM-SUBMITTED JULY 5, 1994 "SITE CHARACTERIZATION PLAN" PREPARED ON BEHALF OF THE PROVIDENCE GAS COMPANY. PLANS PROVIDED BY NATIONAL GRID.
   - SITE PLANS PROVIDED BY RCA IN THE RIDEM-SUBMITTED JUNE 28, 1996 "PHASE IB FIELD CHARACTERIZATION INVESTIGATION" PREPARED ON BEHALF OF THE PROVIDENCE GAS COMPANY. PLANS PROVIDED BY NATIONAL GRID.
   - SITE PLANS PROVIDED BY ESS IN THE RIDEM-SUBMITTED OCTOBER 21, 1999 "SUBSURFACE INVESTIGATION AND PROPOSED ALGONQUIN GENERATOR CONSTRUCTION AREA" PREPARED ON BEHALF OF THE PROVIDENCE GAS COMPANY. PLANS PROVIDED BY NATIONAL GRID.
   - SITE PLANS PROVIDED BY VHB IN THE RIDEM-SUBMITTED NOVEMBER 2002 "REMEDIAL ACTION CLOSURE REPORT" PREPARED ON BEHALF OF THE NEW ENGLAND GAS COMPANY. PLANS PROVIDED BY NATIONAL GRID.
   - SITE PLANS PROVIDED BY VHB IN THE RIDEM-SUBMITTED APRIL 2003 "SITE INVESTIGATION REPORT" PREPARED ON BEHALF OF THE NEW ENGLAND GAS COMPANY. PLANS PROVIDED BY NATIONAL GRID.
   - SITE PLANS PROVIDED BY VHB IN THE RIDEM-SUBMITTED JANUARY 26, 2009 "OXIDE BOX INVESTIGATION TECHNICAL MEMORANDUM" PREPARED ON BEHALF OF NATIONAL GRID. PLANS PROVIDED BY NATIONAL GRID.
   - FIGURE 3 "EXPLORATION LOCATION PLAN" PREPARED BY GZA GEOENVIRONMENTAL, INC. (GZA) ON BEHALF OF CHICAGO BRIDGE AND IRON (CB&I) IN JULY 2005. PLANS PROVIDED BY NATIONAL GRID.
   - ELECTRONIC CAD FILE "ACAD-7257PL.DWG" PROVIDED BY VANASSE HANGEN BRUSTLIN (VHB) ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3 AND AERIAL MAPPING BY WSP TRANSPORTATION AND INFRASTRUCTURE DATED JANUARY 15, 2014 PREPARED FOR NATIONAL GRID LAND SURVEYING DEPARTMENT, WALTHAM, MASSACHUSETTS AND CAD FILE NO. 09303023.052-1.DWG. PLANS PROVIDED BY NATIONAL GRID.
   - FIGURE 2 "EXPLORATION LOCATION PLAN," DATED SEPTEMBER 18, 2015, BY WEIDLINGER ASSOCIATES, INC. (WEI) ON BEHALF OF KIEWIT CORPORATION (KIEWIT). PLAN PROVIDED BY NATIONAL GRID.
   - FIGURE 2 "EXPLORATION LOCATION PLAN," DATED MARCH 22, 2016, BY GOLDER ASSOCIATES, INC. PREPARED FOR CHI ENGINEERING AND PROVIDED BY NATIONAL GRID.
   - ON-SITE INVESTIGATIONS AND SURVEYS BY GZA PERSONNEL DURING VARIOUS SITE VISITS BETWEEN 2011 AND 2016.
4) THE LOCATION OF THE EXPLORATIONS AND MONITORING WELLS AT THE SITE WERE APPROXIMATELY DETERMINED AND HAVE BEEN ALIGNED AND ADJUSTED FOR THE "BEST FIT" AND THESE DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
5) HORIZONTAL DATUM IS BASED ON NAD 1983 FROM BASE MAPPING PROVIDED BY VHB.
6) VERTICAL DATUM IS BASED ON NAVD 1988 FROM BASE MAPPING PROVIDED BY VHB.
7) APPROXIMATE HISTORICAL STRUCTURE/EQUIPMENT LOCATIONS AND DATES WERE OBTAINED FROM THE FOLLOWING SOURCES:
   - CERTIFIED SANBORN MAPS DATED: 1950, 1956, 1972, 1977 AND 1982
   - AERIAL ORTHOPHOTOGRAPHIC IMAGES OBTAINED FROM RIGIS: 1939, 1951, 1962, 1972, 1976, 1981, 1988, 1992, 1995, 1997, 2002, 2008
   - SITE PLANS PROVIDED BY RESOURCE CONTROLS ASSOCIATES (RCA) IN THE RIDEM-SUBMITTED JULY 5, 1994 "SITE CHARACTERIZATION PLAN" PREPARED ON BEHALF OF THE PROVIDENCE GAS COMPANY. PLANS PROVIDED BY NATIONAL GRID.
   - HISTORIC SITE PLAN "GENERAL PLAN OF WORKS, PROVIDENCE GAS COMPANY. SASSAFRAS POINT PLANT, PROVIDENCE, RHODE ISLAND." UNDATED. PLANS PROVIDED BY NATIONAL GRID.
10) THE SITE HAS BEEN THE LOCATION OF NUMEROUS REMEDIAL ACTIONS. THIS PLAN SET DOES NOT PRESENT THE LOCATIONS OF ANY CONFIRMATORY SAMPLES THAT HAVE BEEN COLLECTED AT THE SITE. THIS PLAN SET MAY INCLUDE LOCATIONS THAT HAVE BEEN FULLY EXCAVATED AND THE PRESENTED EXPLORATIONS MAY NOT BE TRUE TO CURRENT CONDITIONS.
11) THIS PLAN SET DOES NOT PRESENT THE LOCATIONS OF SAMPLES THAT WERE COLLECTED FOR GEOTECHNICAL PURPOSES ONLY. THIS INCLUDES CONE PENETROMETER TESTING SAMPLES AND TEST PITS CONDUCTED WITH NO SOIL DESCRIPTIONS OR ENVIRONMENTAL SAMPLES COLLECTED. HOWEVER, THE LOCATIONS OF KNOWN GEOTECHNICAL BORINGS (PRESENTED ON PLANS PROVIDED BY NATIONAL GRID) ARE SHOWN.

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THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY NATIONAL GRID OR THE NATIONAL GRID'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA AND NATIONAL GRID. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA AND NATIONAL GRID, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA AND NATIONAL GRID.

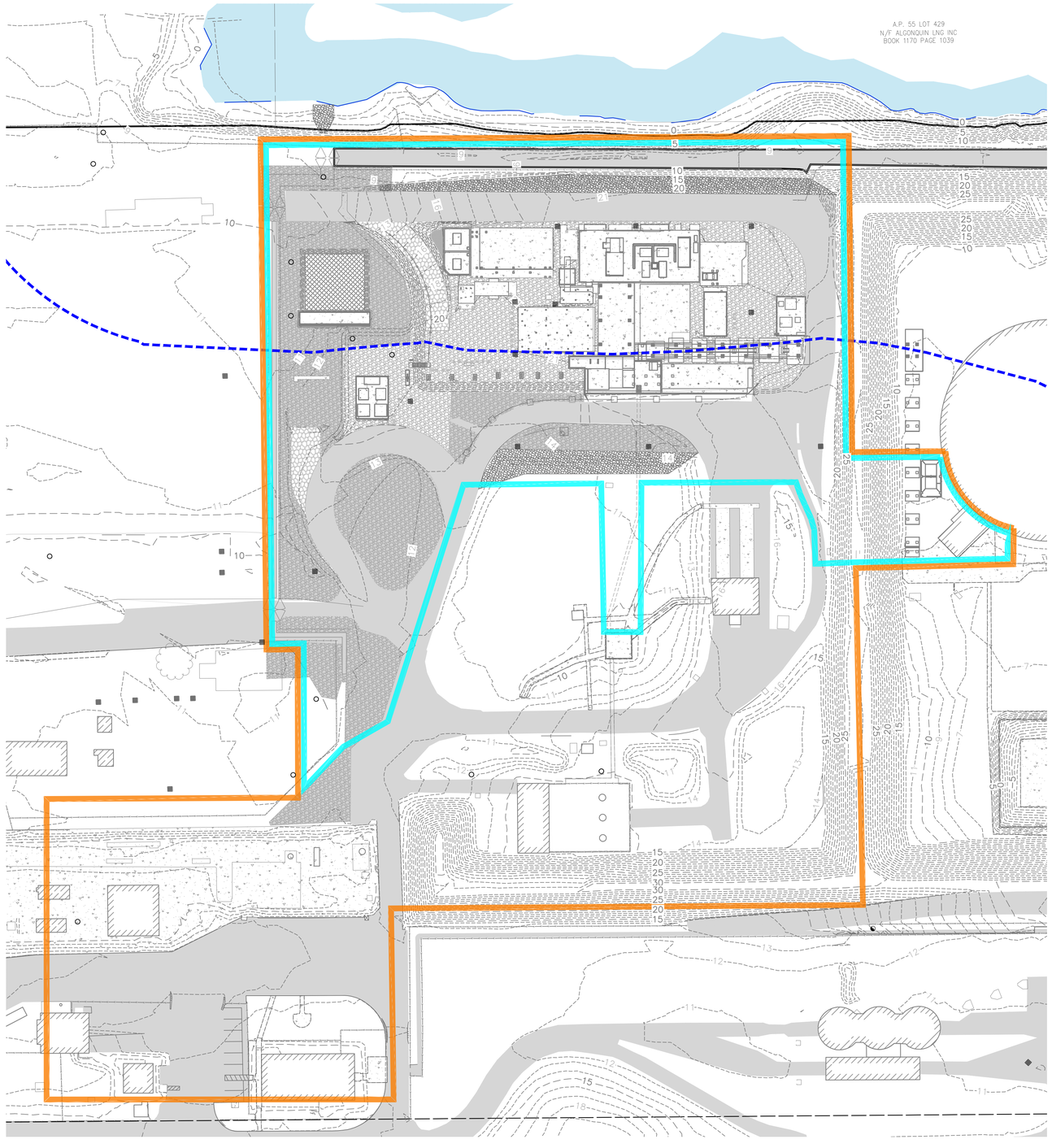
NATIONAL GRID
STRA CLOSURE REPORT
LIQUEFACTION PLANT - PROVIDENCE, RHODE ISLAND

EXPLORATION LOCATION PLAN

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: nationalgrid	
PROJ MGR: SH	REVIEWED BY: MK	CHECKED BY: MK	FIGURE 4
DESIGNED BY: SH	DRAWN BY: LDT	SCALE: AS NOTED	
DATE: SUBMISSION	PROJECT NO. 33554.04	REVISION NO. 0	SHEET NO. 4 OF 7

2022 - GZA GeoEnvironmental, Inc. - GZA-I:\ENV\33554.04\SN\FIGURES\CAD\DWGS\STRA-LIQUEFACTION\4_33554.04_EXPLORATION LOCATION PLANS.dwg 4 DECEMBER 14, 2022 7:59 AM USA THERIAULT

KEY PLAN:
SCALE: 1"=800'



GENERAL NOTES:

1) EXISTING CONDITIONS BASE MAP DEVELOPED FROM THE FOLLOWING:

- ELECTRONIC CAD FILE "ACAD-7257PL.DWG" PROVIDED BY VANASSE HANGEN BRUSTLIN (VHB) ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3 AND AERIAL MAPPING BY WSP TRANSPORTATION AND INFRASTRUCTURE DATED JANUARY 15, 2014 PREPARED FOR NATIONAL GRID LAND SURVEYING DEPARTMENT, WALTHAM, MASSACHUSETTS AND CAD FILE NO. 09303023.052-1.DWG
- AN ELECTRONIC TRANSMISSION OF A PLAN PROVIDED BY KIEWIT ENGINEERING GROUP, INC. ENTITLED "FINISH GRADING PLAN," PROJECT TITLE "NATIONAL GRID LNG, LLC," DATED JANUARY, 31, 2019, LAST REVISION AS -BUILT SEPTEMBER 19, 2022, ORIGINAL SCALE, DRAWING NO. 102761-B-00-0000-CIV-CG-2103, SHEET 1 OF 1.
- ON-SITE INVESTIGATIONS AND SURVEYS BY GZA PERSONNEL DURING VARIOUS SITE VISITS BETWEEN 2011 AND 2022.

2) PROPERTY LINES AND LOT INFORMATION ESTABLISHED FROM INFORMATION PROVIDED ON A DRAWING ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3.

3) HORIZONTAL DATUM IS BASED ON NAD 1983 FROM BASE MAPPING PROVIDED BY VHB.

4) VERTICAL DATUM IS BASED ON NAVD 1988 FROM BASE MAPPING PROVIDED BY VHB.

LEGEND:

- PROPERTY LINE
- INTERIOR PROPERTY LINE
- PROJECT WORK AREA
- STRAP AREA (LIMITS OF SOIL AND GROUNDWATER DISTURBANCE)
- EXISTING BUILDING
- UTILITY POLE
- LIGHT POLE
- STEEL POST
- PILING
- EDGE OF WATER
- EXISTING FENCE
- EXISTING CONTOUR (MAJOR 5 FOOT INTERVAL)
- EXISTING CONTOUR (MINOR 1 FOOT INTERVAL)
- 200 FOOT CRMC SETBACK
- ASPHALT CAP
- RIP RAP CAP
- CRUSHED STONE SOIL CAP
- CRUSHED STONE SOIL CAP WITH GEOTEXTILE
- CONCRETE CAP
- SAND FILTER
- CRUSHED STONE ROADWAY CAP
- SQUARE CATCH BASIN
- ROUND CATCH BASIN

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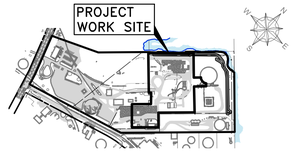
NATIONAL GRID
STRA CLOSURE REPORT
LIQUEFACTION PLANT - PROVIDENCE, RHODE ISLAND

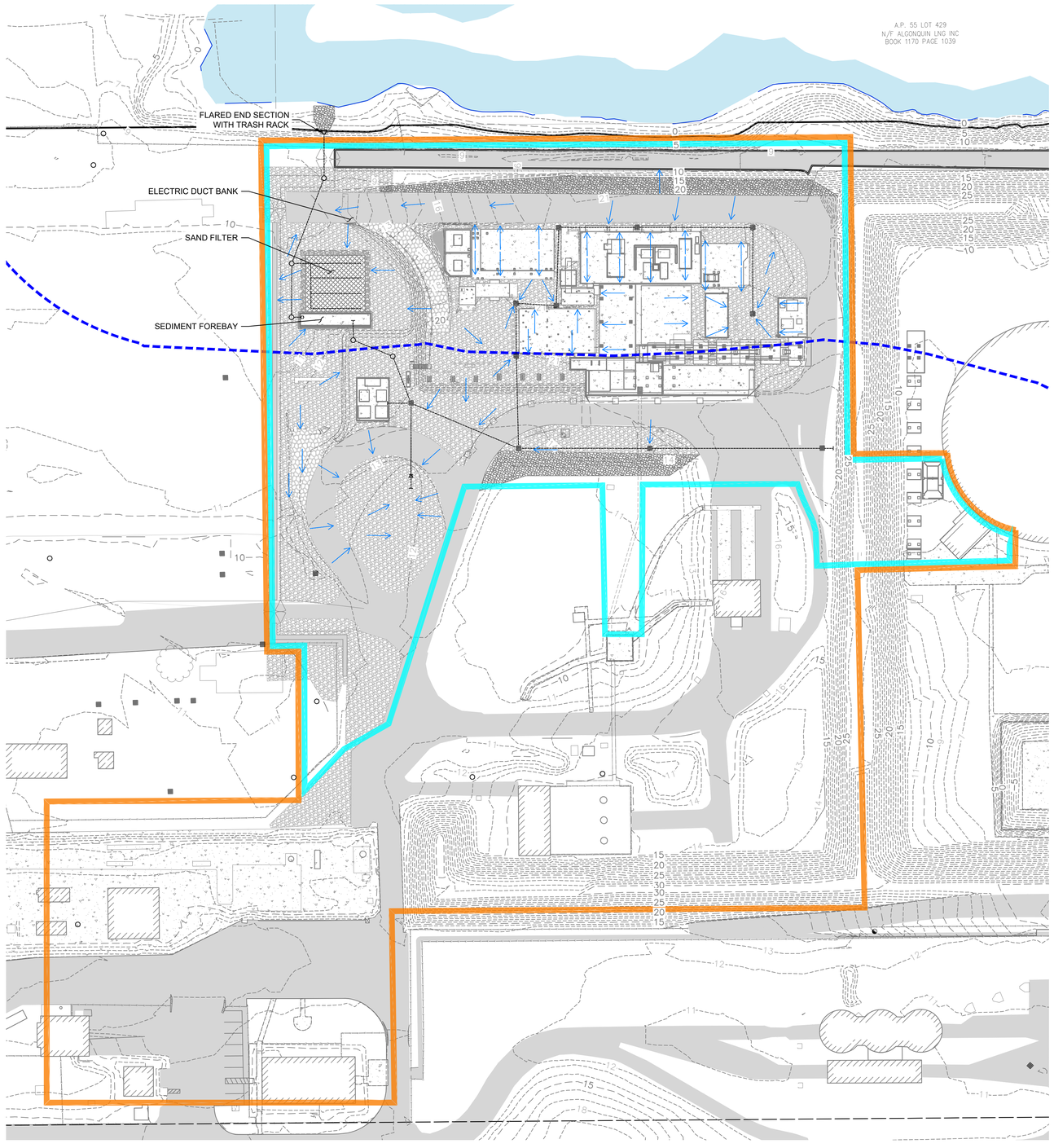
REMEDIAL CAP FINAL GRADING PLAN

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: nationalgrid	
PROJ MGR: SH	REVIEWED BY: MK	CHECKED BY: MK	FIGURE 5
DESIGNED BY: SH	DRAWN BY: LDT	SCALE: AS NOTED	
DATE: SUBMISSION	PROJECT NO. 33554.04	REVISION NO. 0	SHEET NO. 5 OF 7

2022- GZA GeoEnvironmental, Inc. GZA-J:\ENV\33554.04.SN\FIGURES\CAD\DWGS\STRA-LIQUEFACTION\5_33554.04_REMEDIAL CAP FINAL GRADING PLAN.DWG 5 DECEMBER 14, 2022 8:03 AM LISA THERAULT



KEY PLAN:
SCALE: 1"=800'



GENERAL NOTES:

1) EXISTING CONDITIONS BASE MAP DEVELOPED FROM THE FOLLOWING:
   - ELECTRONIC CAD FILE "ACAD-7257PL.DWG" PROVIDED BY VANASSE HANGEN BRUSTLIN (VHB) ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3 AND AERIAL MAPPING BY WSP TRANSPORTATION AND INFRASTRUCTURE DATED JANUARY 15, 2014 PREPARED FOR NATIONAL GRID LAND SURVEYING DEPARTMENT, WALTHAM, MASSACHUSETTS AND CAD FILE NO. 09303023.052-1.DWG
   - AN ELECTRONIC TRANSMISSION OF A PLAN PROVIDED BY KIEWIT ENGINEERING GROUP, INC. ENTITLED "FINISH GRADING PLAN," PROJECT TITLE "NATIONAL GRID LNG, LLC," DATED JANUARY, 31, 2019, LAST REVISION AS -BUILT SEPTEMBER 19, 2022, ORIGINAL SCALE, DRAWING NO. 102761-B-00-0000-CIV-CG-2103, SHEET 1 OF 1.
   - ON-SITE INVESTIGATIONS AND SURVEYS BY GZA PERSONNEL DURING VARIOUS SITE VISITS BETWEEN 2011 AND 2022.
2) PROPERTY LINES AND LOT INFORMATION ESTABLISHED FROM INFORMATION PROVIDED ON A DRAWING ENTITLED "EXISTING CONDITIONS PLAN," PROJECT TITLE "NATIONAL GRID LNG TERMINAL ROAD LNG FACILITY" DATED MARCH 10, 2014, ORIGINAL SCALE 1" = 50', DRAWING NO. SV-1 THROUGH SV-3.
3) HORIZONTAL DATUM IS BASED ON NAD 1983 FROM BASE MAPPING PROVIDED BY VHB.
4) VERTICAL DATUM IS BASED ON NAVD 1988 FROM BASE MAPPING PROVIDED BY VHB.

LEGEND:

- PROPERTY LINE
- INTERIOR PROPERTY LINE
- PROJECT WORK AREA
- STRAP AREA (LIMITS OF SOIL AND GROUNDWATER DISTURBANCE)
- EXISTING BUILDING
- UTILITY POLE
- LIGHT POLE
- STEEL POST
- PILING
- EDGE OF WATER
- EXISTING FENCE
- EXISTING CONTOUR (MAJOR 5 FOOT INTERVAL)
- EXISTING CONTOUR (MINOR 1 FOOT INTERVAL)
- 200 FOOT CRMC SETBACK
- ASPHALT CAP
- RIP RAP CAP
- CRUSHED STONE SOIL CAP
- CONCRETE CAP
- SAND FILTER
- CRUSHED STONE ROADWAY CAP
- SQUARE CATCH BASIN
- ROUND CATCH BASIN
- INSTALLED DRAIN LINE
- STORMWATER FLOW DIRECTION

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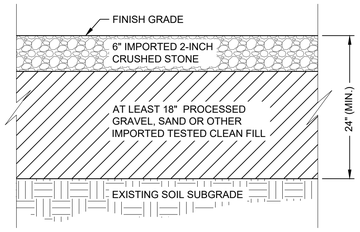
NATIONAL GRID
STRA CLOSURE REPORT
LIQUEFACTION PLANT - PROVIDENCE, RHODE ISLAND

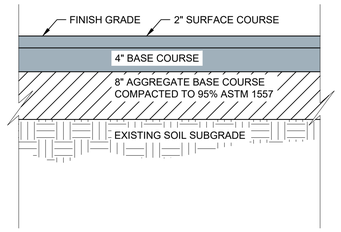
INSTALLED UTILITIES AND STORMWATER MANAGEMENT PLAN

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		nationalgrid	
PROJ MGR: SH	REVIEWED BY: MK	CHECKED BY: MK	FIGURE 6
DESIGNED BY: SH	DRAWN BY: LDT	SCALE: AS NOTED	
DATE: SUBMISSION	PROJECT NO. 33554.04	REVISION NO. 0	SHEET NO. 6 OF 7

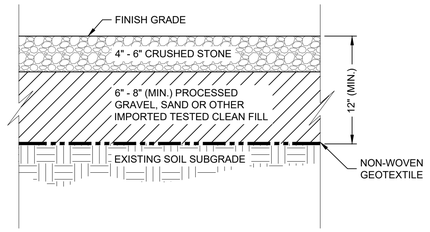
2022- GZA GeoEnvironmental, Inc. G:\ENV\33554.04\ENVFIGURES\CAD\DWGS\STRA-LIQUEFACTION\6_33554.04_INSTALLED UTILITIES AND STORMWATER MANAGEMENT PLAN.DWG 6 DECEMBER 14, 2022 8:12 AM LISA THERAULT



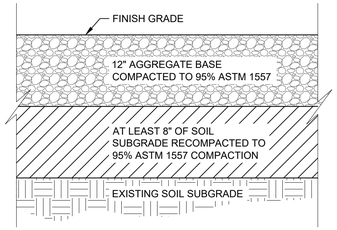
CRUSHED STONE SOIL CAP DETAIL
(WITHOUT NON-WOVEN GEOTEXTILE)
NOT TO SCALE



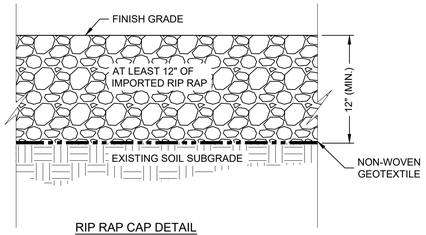
ASPHALT CAP DETAIL
(NEW PAVING)
NOT TO SCALE



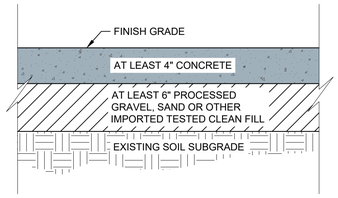
CRUSHED STONE SOIL CAP DETAIL
(WITH NON-WOVEN GEOTEXTILE)
NOT TO SCALE



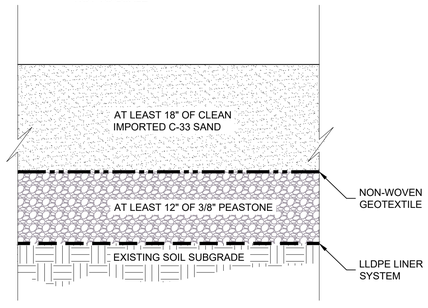
GRAVEL ROADWAY CAP DETAIL
NOT TO SCALE



RIP RAP CAP DETAIL
(WITH NON-WOVEN GEOTEXTILE)
NOT TO SCALE



CONCRETE CAP DETAIL
NOT TO SCALE



SAND FILTER DETAIL
NOT TO SCALE

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NATIONAL GRID
STRA CLOSURE REPORT
LIQUEFACTION PLANT - PROVIDENCE, RHODE ISLAND

REMEDIAL CAP DETAILS

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: nationalgrid	
PROJ MGR: SH	REVIEWED BY: MK	CHECKED BY: MK	FIGURE 7
DESIGNED BY: SH	DRAWN BY: LDT	SCALE: AS NOTED	
DATE: SUBMISSION	PROJECT NO. 33554.04	REVISION NO. 0	SHEET NO. 7 OF 7

2022 - GZA GeoEnvironmental, Inc. G:\ENV\33554.04\FIGURES\CAD\DWGS\STRA-LIQUEFACTION\7_33554.04_CAPPING CROSS-SECTIONS.DWG 7 DECEMBER 8, 2022 2:02 PM LISA THERIAULT

APPENDIX A

LIMITATIONS

LIMITATIONS

1. This Short Term Response Action (STRA) Completion Report has been prepared on behalf of and for the exclusive use of The Narragansett Electric Company d/b/a National Grid (National Grid), solely for use in documenting the work completed as described herein at the 642 Allens Avenue Former MGP ("Site") under the applicable provisions of the State of Rhode Island Department of Environmental Management Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases (Remediation Regulations). This report and the findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party in whole or in part, without the prior written consent of GZA GeoEnvironmental, Inc.(GZA) or National Grid.

2. GZA's work was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same geographical area, and GZA observed that degree of care and skill generally exercised by other consultants under similar circumstances and conditions. GZA's findings and conclusions must be considered not as scientific certainties, but rather as our professional opinion concerning the significance of the limited data gathered during the course of the study. No other warranty, express or implied is made. Specifically, GZA does not and cannot represent that the Site contains no hazardous material, oil, or other latent condition beyond that observed by GZA during the work described herein.

3. The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based upon services performed and observations made by GZA.

4. In the event that National Grid or others authorized to use this report obtain information on environmental or hazardous waste issues at the Site not contained in this report, such information shall be brought to GZA's attention forthwith. GZA will evaluate such information and, on the basis of this evaluation, may modify the conclusions stated in this report.

5. The conclusions and recommendations contained in this report are based in part upon the data obtained from environmental samples obtained from relatively widely spread subsurface explorations. The nature and extent of variations between these explorations may not become evident until further exploration. If variations or other latent conditions then appear evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

6. The generalized soil profile described in the text is intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized and have been developed by interpretations of widely spaced explorations and samples; actual soil transitions are probably more gradual. For specific information, refer to the boring logs.

7. In the event this work included the collection of water level data, these readings have been made in the test pits, borings and/or observation wells at times and under conditions stated on the exploration logs. These data have been reviewed and interpretations have been made in the text of this report. However, it must be noted that fluctuations in the level of the groundwater may occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.

8. The conclusions contained in this report are based in part upon various types of chemical data and are contingent upon their validity. These data have been reviewed and interpretations made in the report. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, these data should be reviewed by GZA and the conclusions and recommendations presented herein modified accordingly.

APPENDIX B

PHOTOGRAPHS

Client Name: National Grid	**Site Location:** Field Point Liquefaction Project 642 Allens Avenue, Providence, RI	**Project No.:** 03.0033554.04

Photo No. 1	**Date:** 3/20/19

Description:
Kiewit installing geotextile fabric and crushed stone over the laydown area for soil stabilization and erosion control.

Photo No. 2	**Date:** 4/10/19

Description:
Kiewit constructed soil management area (SMA) for soil stockpiles.

Client Name: National Grid	**Site Location:** Field Point Liquefaction Project 642 Allens Avenue, Providence, RI	**Project No.:** 03.0033554.04

Photo No.	**Date:**
3	5/31/19

Description:
Overview of limits of work, Kiewit prepping for micropile drilling and pile driving.

Photo No.	**Date:**
4	4/12/19

Description:
Construction entrance/sediment tracking pad for the Site.

Client Name: National Grid	**Site Location:** Field Point Liquefaction Project 642 Allens Avenue, Providence, RI	**Project No.:** 03.0033554.04

Photo No.	**Date:**
5	7/17/19

Description:

Kiewit driving concrete piles for foundation support and slope stabilization

Photo No.	**Date:**
6	8/15/19

Description:
Gabion basket construction for revetment support.

Client Name: National Grid	**Site Location:** Field Point Liquefaction Project 642 Allens Avenue, Providence, RI	**Project No.:** 03.0033554.04

Photo No. 7	**Date:** 9/27/19

Description:
Overview of work zone, looking west toward Allens Ave, raising grade with clean imported fill, and concrete pile driving

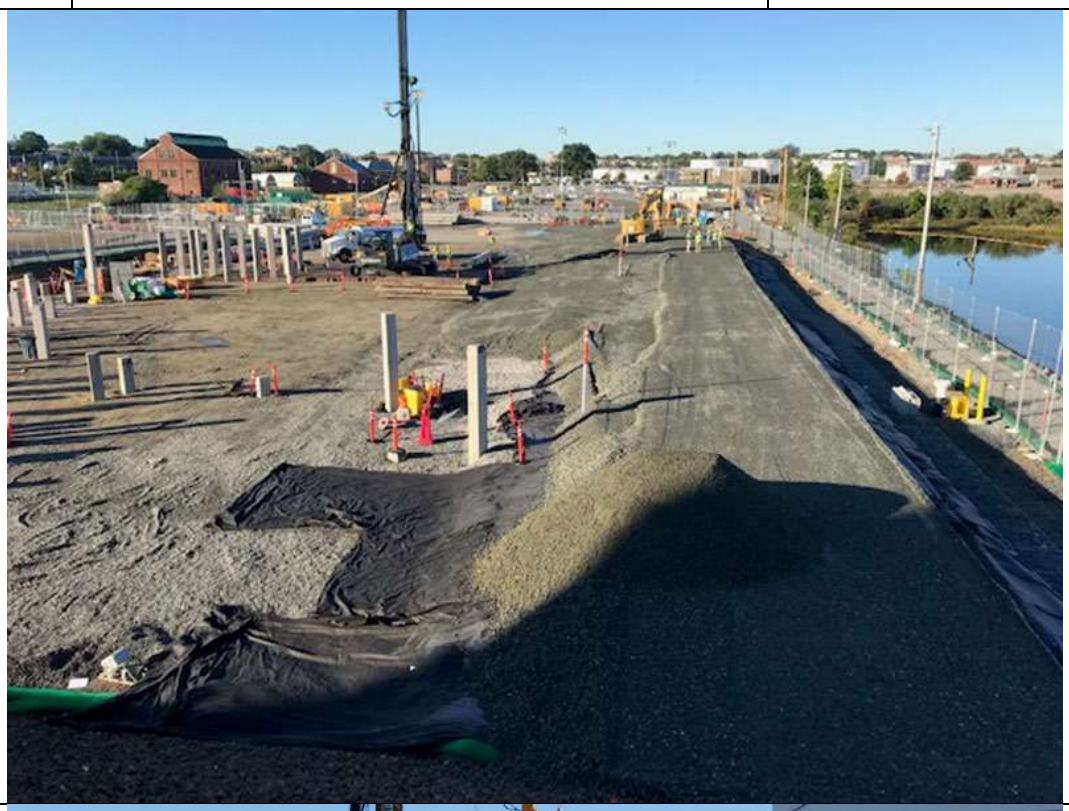
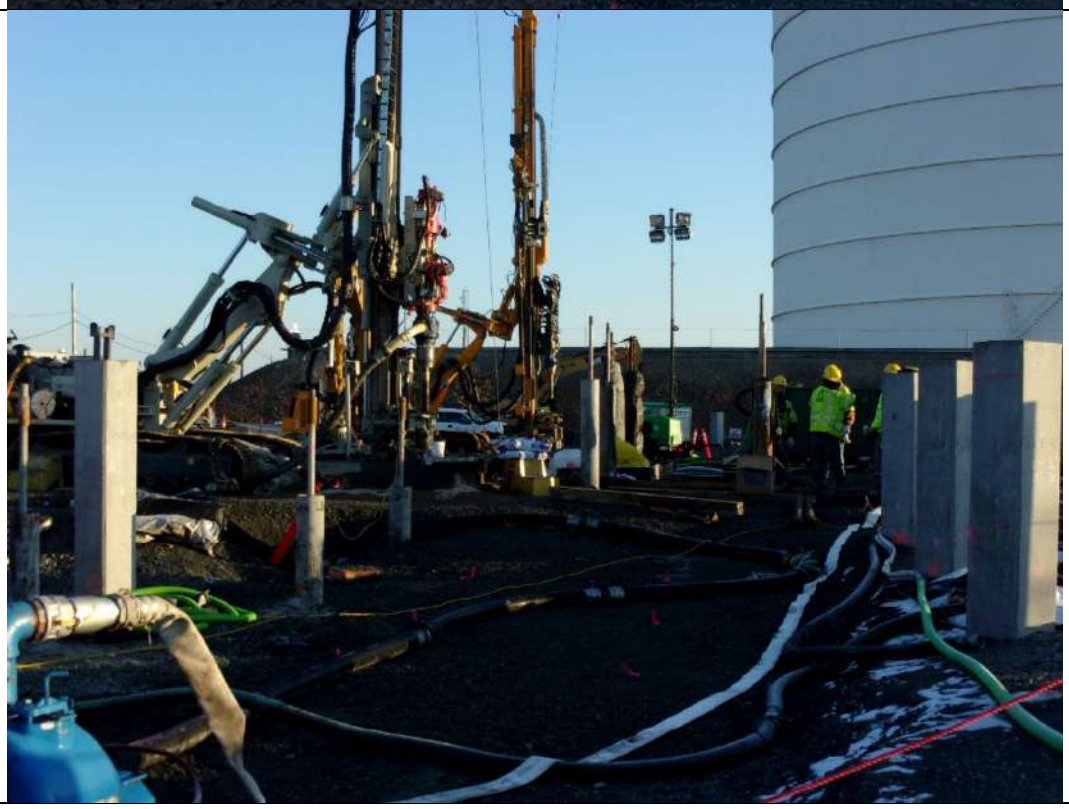


Photo No. 8	**Date:** 12/23/19

Description:
Micropile drilling with two drill rigs.



Client Name: National Grid	**Site Location:** Field Point Liquefaction Project 642 Allens Avenue, Providence, RI	**Project No.:** 03.0033554.04

Photo No. 9	**Date:** 1/6/20

Description:
Work zone, micropile installation, duct bank installation, and preparation for concrete foundation construction

Photo No. 10	**Date:** 5/18/20

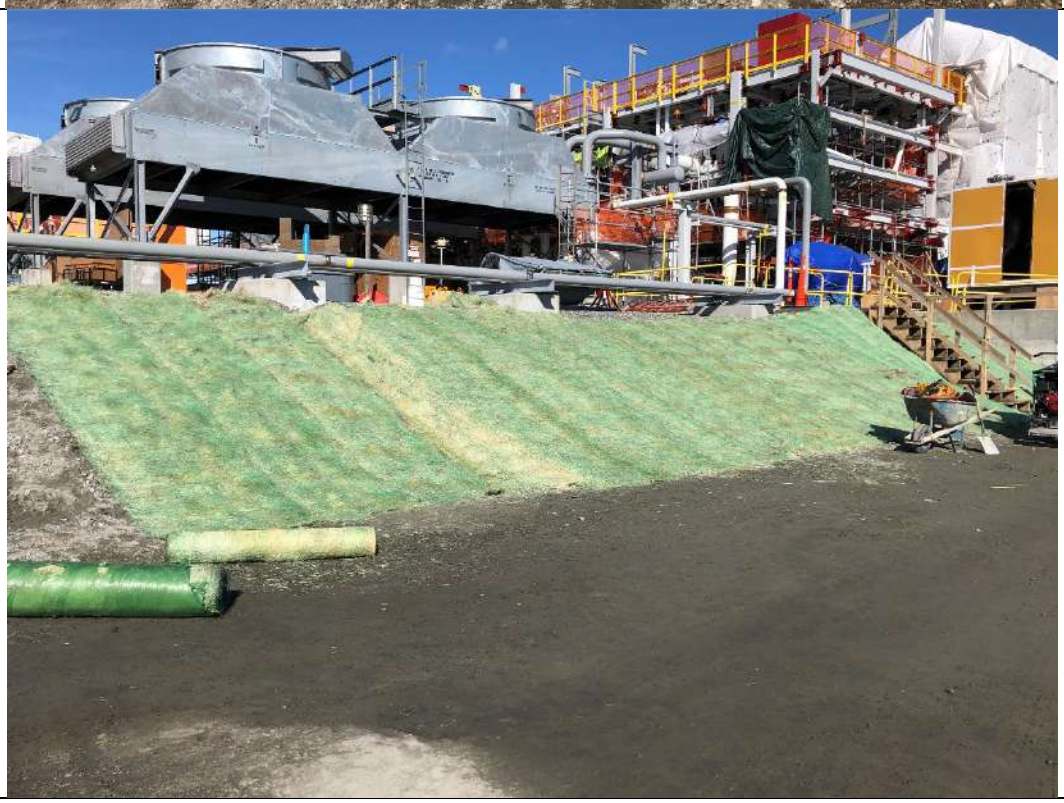
Description
Installation of catch basin

Client Name: National Grid	**Site Location:** Field Point Liquefaction Project 642 Allens Avenue, Providence, RI	**Project No.:** 03.0033554.04

Photo No.	**Date:**
11	7/29/20

Description:
Poured concrete and forms for facility foundation

Photo No.	**Date:**
12	2/4/21



Description:
Equipment installation, and temporary slope stabilization installation.

Client Name: National Grid	**Site Location:** Field Point Liquefaction Project 642 Allens Avenue, Providence, RI	**Project No.:** 03.0033554.04

Photo No. 13	**Date:** 6/4/21

Description:
Equipment installation

Photo No. 14	**Date:** 10/7/21

Description:
Sediment Forebay Construction

Client Name: National Grid	**Site Location:** Field Point Liquefaction Project 642 Allens Avenue, Providence, RI	**Project No.:** 03.0033554.04

Photo No. 15	**Date:** 11/10/21

Description:
Stormwater outfall construction

Photo No. 16	**Date:** 12/13/21

Description:
Drilling for vapor barrier fence posts

Client Name: National Grid	**Site Location:** Field Point Liquefaction Project 642 Allens Avenue, Providence, RI	**Project No.:** 03.0033554.04

Photo No. 17	**Date:** 3/17/22

Description:
Sand filter liner installation.

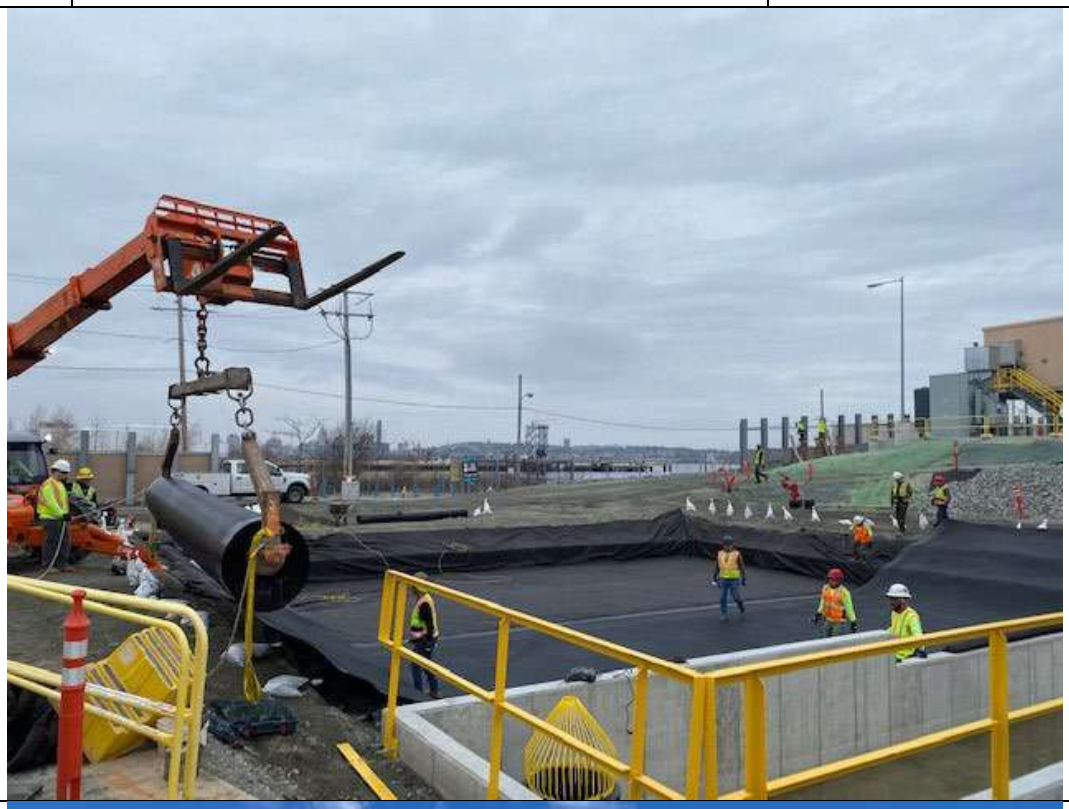


Photo No. 18	**Date:** 3/21/22

Description:
Installing geotextile fabric and crushed stone engineered cap

Client Name: National Grid	**Site Location:** Field Point Liquefaction Project 642 Allens Avenue, Providence, RI	**Project No.:** 03.0033554.04

Photo No. 19	**Date:** 4/20/22

Description:
Site restoration/ engineered cap installation.

Photo No. 20	**Date:** 4/22/22

Description:
Site restoration/engineered cap installation.

Client Name: National Grid	**Site Location:** Field Point Liquefaction Project 642 Allens Avenue, Providence, RI	**Project No.:** 03.0033554.04

Photo No.	**Date:**
21	5/4/22

Description:
Grading between security fence and vapor barrier.

APPENDIX C

PERMITS AND OTHER APPROVALS

RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
235 Promenade Street, Providence, RI 02908-5767 TDD 401-222-4462

31 October 2016

Mr. Charles Willard
National Grid LNG, LLC
280 Melrose Street
Providence, RI 02907

Dear Mr. Willard:

The Department of Environmental Management, Office of Air Resources has reviewed and approved your General Permit application for a natural gas-fired Emergency Generator at your site located at 121 Terminal Road, Providence, RI.

Enclosed is the General Permit issued pursuant to our review of your application (General Permit No. GPEG-279).

Be advised that on May 4, 2016, the U.S. Court of Appeals for the D.C. Circuit vacated the provisions of 40 CFR 60, Subpart JJJJ – "Standards of Performance for Stationary Spark Ignition Internal Combustion Engines", which allow emergency engines to operate for up to 100 hours for emergency demand response when the Reliability Coordinator has declared an Energy Emergency Alert Level 2 or for voltage or frequency deviations of 5 percent or greater below standard voltage or frequency. Specifically, the provisions in 40 CFR 60.4243(d)(2)(ii)-(iii) were vacated. Therefore, if you plan to operate your emergency generator to address voltage or frequency deviations or in emergency demand response, you must apply for a modification to your minor source permits to allow the units to be operated in non-emergency situations.

If there are any questions concerning this permit, please contact me at 401-222-2808, extension 7028 or at aleida.whitney@dem.ri.gov.

Sincerely,

Aleida M. Whitney
Senior Air Quality Specialist
Office of Air Resources

cc: Providence Building Official

30% post-consumer fiber

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR RESOURCES

GENERAL PERMIT FOR AN EMERGENCY GENERATOR

NATIONAL GRID LNG, LLC

GENERAL PERMIT NO. GPEG-279

Pursuant to the provisions of Air Pollution Control Regulation No. 9, this general permit is issued to:

National Grid LNG, LLC

For installation of the following emergency generator:

Caterpillar, 755 bHP, 500 ekW, natural gas fired emergency generator.

Model No. G3412C

Located at: *121 Terminal Road, Providence, RI*

Liquefaction Area

This general permit shall be effective from the date of its issuance and shall remain in effect until revoked by or surrendered to the Department. This general permit does not relieve *National Grid LNG, LLC* **from compliance with applicable state and federal air pollution control rules and regulations. The design, construction and operation of this equipment shall be subject to the attached permit conditions and emission limitations.**

Douglas L. McVay

Douglas L. McVay, Chief
Office of Air Resources

10/31/10

Date of Issuance

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR RESOURCES

Permit Conditions and Emission Limitations

NATIONAL GRID LNG, LLC

GENERAL PERMIT NO. GPEG-279

A. Emission Limitations

1. Sulfur Dioxide

The sulfur content of any gaseous fuel burned in the emergency generator shall not exceed 10 grains total sulfur per 100 dry standard cubic feet.

2. Carbon Dioxide

The emission rate of carbon dioxide discharged to the atmosphere from the emergency generator shall not exceed 1900 lbs/MWh.

3. Visible emissions from the emergency generator shall not exceed 10% opacity except for a period or periods aggregating no more than three minutes in any one-hour. This visible emission limitation shall not apply during startup of an emergency generator. Startup shall be defined as the first ten minutes of firing following the initiation of firing.

B. Operating Requirements

1. The maximum firing rate for the emergency generator shall not exceed 5,875 cubic feet per hour.

2. The emergency generator shall not operate more than 500 hours in any 12-month period.

3. The emergency generator shall be used only during emergencies or for maintenance or testing purposes. Emergency means an electric power outage due to a failure of the electrical grid, on-site disaster, local equipment failure, or public service emergencies such as flood, fire, or natural disaster. Emergency shall also mean periods during which ISO New England, or any successor Regional Transmission Organization, directs the implementation of operating procedures for voltage reductions, voluntary load curtailments by customers or automatic or manual load shedding within Rhode Island in response to unusually low frequency, equipment overload, capacity or energy deficiency, unacceptable voltage levels or other such emergency conditions.

4. The emergency generator shall not be operated in conjunction with any voluntary demand-reduction program or any other interruptible power supply arrangement with a utility, other market participant or system operator unless such program is implemented at the same time as ISO New England, or any successor Regional Transmission Organization, directs the implementation of operating procedures for voltage reductions, voluntary load curtailments by customers or automatic or manual load shedding within Rhode Island in response to unusually low frequency, equipment overload, capacity or energy deficiency, unacceptable voltage levels or other such emergency conditions.

C. Continuous Monitoring

1. The emergency generator shall be equipped with a non-resettable elapsed time meter to indicate, in cumulative hours, the elapsed engine operating time for the unit.

D. Record Keeping and Reporting

1. The owner/operator shall, on a monthly basis, no later than 5 days after the first of each month, determine and record the hours of operation for the emergency generator for the previous 12-month period.

2. The owner/operator shall notify the Office of Air Resources, in writing, whenever the hours of operation in any 12-month period exceeds 500 hours for the emergency generator.

3. The owner/operator shall notify the Office of Air Resources of any anticipated noncompliance with the terms of this permit or any other applicable air pollution control rules and regulations.

4. The owner/operator shall notify the Office of Air Resources, in writing, of the date of actual start-up of the emergency generator.

5. The owner/operator shall notify the Office of Air Resources in writing of any planned physical or operational change to this emergency generator that would:

   a. Change the representation of the facility in the application.

   b. Alter the applicability of any state or federal air pollution rules or regulations.

   c. Result in the violation of any terms or conditions of this permit.

   Such notification shall include:

   - Information describing the nature of the change.

- Information describing the effect of the change on the emission of any air contaminant.

- The scheduled completion date of the planned change.

Any such change shall be consistent with the appropriate regulation and have the prior approval of the Director.

6. The owner/operator shall notify the Office of Air Resources, in writing, of any noncompliance with the terms of this permit within 30 calendar days of becoming aware of such occurrence and supply the Director with the following information:

   a. The name and location of the facility;

   b. The subject source(s) that caused the noncompliance with the permit term;

   c. The time and date of first observation of the incident of noncompliance;

   d. The cause and expected duration of the incident of noncompliance;

   e. The estimated rate of emissions (expressed in lbs/hr or lbs/day) during the incident and the operating data and calculations used in estimating the emission rate.

   f. The proposed corrective actions and schedule to correct the conditions causing the incidence of noncompliance.

7. All records required as a condition of this permit shall be maintained for a minimum of five years after the date of each record and shall be made available to representatives of the Office of Air Resources upon request.

E. Other Permit Conditions

1. To the extent consistent with the requirements of this approval and applicable Federal and State laws, the emergency generator shall be designed, constructed and operated in accordance with the representation of the equipment in the permit application.

2. Employees of the Office of Air Resources and its authorized representatives shall be allowed to enter the facility at all times for the purpose of inspecting any air pollution source, investigating any condition it believes may be causing air pollution or examining any records required to be maintained by the Office of Air Resources.

3. At all times, including periods of startup, shutdown and malfunction, the owner/operator shall, to the extent practicable, maintain and operate the emergency generator in a manner consistent with good air pollution control practice for

minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this permit have been achieved. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Office of Air Resources which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures and inspection of the emergency generator.

4. The owner/operator is subject to the requirements of 40 CFR 60, Subpart A (General Provisions) and Subpart JJJJ (Standards of Performance for Stationary Spark Ignition Internal Combustion Engines). Compliance with all applicable provisions therein is required.

State of Rhode Island and Providence Plantations
Coastal Resources Management Council
Oliver H. Stedman Government Center
4808 Tower Hill Road, Suite 3
Wakefield, RI 02879-1900

(401) 783-3370
Fax (401) 783-2069

December 20, 2017

Mr. William R. Howard
Environmental Manager
National Grid
280 Melrose Street
Providence, RI 02907

Re: Coastal Zone Management Federal Consistency Determination - National Grid LNG Liquefaction Facility – 121 Terminal Road, Providence

CRMC File No.: 2016-10-099

Dear Mr. Howard,

On October 31, 2016 National Grid (filing as National Grid LNG, LLC) filed with the Rhode Island Coastal Resources Management Council (CRMC) a federal consistency certification along with the necessary data and information for the proposed construction of a liquefied natural gas (LNG) liquefaction facility (the Project). National Grid intends to construct the Project adjacent to the existing LNG storage tank and associated vaporization plant and truck station located at 121 Terminal Road, Providence, RI. In its filing National Grid certified that "the proposed activity will be consistent with Rhode Island's federally approved Coastal Resources Management Program." A copy of National Grid's consistency certification was also filed concurrently with the Federal Energy Regulatory Commission (FERC) on November 1, 2016. See FERC Docket CP16-121.

National Grid LNG, LLC is seeking a federal license, permit or authorization from the Federal Energy Regulatory Commission (FERC) pursuant to Section 7(c) of the Natural Gas Act (U.S. Code 15 § 717). Federal actions, including the issuance of federal licenses, permits or authorizations that would have a reasonably foreseeable effect on any land or water use or natural resources of a coastal zone must be consistent with the enforceable policies of the federally approved state coastal management plan, in this case the Rhode Island Coastal Resources Management Program (CRMP). The Project is located within the first tier of Rhode Island's coastal zone, which extends 200 feet inland from a coastal feature, and within a coastal community, Providence. FERC has exclusive jurisdiction in this matter relative to the siting, construction and operation of this proposed Project in accordance with U.S. Code 15 § 717. While FERC's jurisdiction preempts state permitting of the siting of the Project, federal preemption does not remove the CRMC's federal consistency review authority for the Project pursuant to the federal Coastal Zone Management Act (CZMA), 16 USC §§ 1451-1464, and the CZMA's implementing regulations at 15 C.F.R. Part 930, Subpart D – Consistency for Activities Requiring a Federal License or Permit. Accordingly, the CRMC review is limited in this matter to the reasonably foreseeable coastal effects of the Project.

The CRMC issued a public notice for the Project on November 16, 2016 with a public comment period ending on December 23, 2016. The CRMC further extended the public comment period an additional 30 days until January 23, 2017 to accommodate further public review of this Project. The CRMC also scheduled public hearings to provide the public an opportunity to testify on the Project despite the fact that such hearings are not required, but at the discretion of the agency in accordance with 15 C.F.R. § 930.61. Based on the October 31, 2016 National Grid LNG, LLC filing date of a complete application with the CRMC, the 6-month state agency review period specified in 15 C.F.R. § 930.60 was to end on April 30, 2017. The CRMC continued to provide guidance and assistance to National Grid during this review period in accordance with 15 C.F.R. § 930.56 and additional information was provided by National Grid to supplement the CRMC file, including additional information concerning the proposed Project 25-year design life. Under the provisions of 15 C.F.R. § 930.60(b) the CRMC and National Grid mutually agreed to stay the CRMC 6-month review period until June 15, 2017. Subsequently, the CRMC and National Grid agreed to further stay the CRMC 6-month review period until October 31, 2017, and then again until December 31, 2017, and further until February 28, 2017 to allow sufficient time for National Grid to obtain other needed authorizations or permits to incorporate into the CRMC record.

CRMC staff have conducted a review of the necessary data and information filed by National Grid including the proposed 25-year design life for the Project. CRMC staff also reviewed public comments filed in this matter, and the CRMC staff report was completed and signed by staff on October 25, 2017. The CRMC has provided for public participation as required under 15 C.F.R. § 930.61 by issuing timely public notice and an opportunity for the public to provide comments. In addition, the CRMC held three public hearings in this matter on November 14 and 28, and December 12, 2017 where the Council considered the findings of the CRMC staff report, the public comments and testimony on the Project, and the materials, representations and testimony submitted by National Grid. The Council concurred with the recommendation of the CRMC Executive Director that based upon his review of the record that the Project is consistent with the applicable enforceable policies of the Rhode Island Coastal Resources Management Program.

Therefore, based on the filings with this office and the testimony of Nation Grid at the hearings that the Project has a 30-year design life and would be decommissioned after that time frame, and the further evidence presented and the representations of National Grid during the review and the Council's deliberations on this matter, the CRMC hereby concurs with the consistency certification filed by National Grid that the proposed Project with its 30-year design life is consistent with the federally approved Coastal Resources Management Program in accordance with the CZMA (16 U.S.C. § 1451 *et seq.*) and 15 C.F.R. Part 930, Subpart D - Consistency for Activities Requiring a Federal License or Permit. Any substantial changes to the proposed Project from the material presented by National Grid, or later substantial modifications to the license issued by FERC, may require a separate CZMA review by the CRMC, pursuant to the CZMA regulations at 15 C.F.R. §§ 930.51(b) and (c) or 930.66. The CRMC will file a copy of this consistency certification concurrence with the Secretary of the Federal Energy Regulatory Commission as required pursuant to 15 C.F.R. § 930.62(a).

Please contact me at 401-783-3370 or email gfugate@crmc.ri.gov should you have any questions.

Sincerely,

Grover J. Fugate, Executive Director
Coastal Resources Management Council

/lat

cc Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, NE, Room 1A
Washington, DC 20426

David Kaiser, Senior Policy Analyst
Stewardship Division
Office for Coastal Management
National Oceanic and Atmospheric Administration
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Anthony DeSisto, Esq., CRMC legal counsel
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James Boyd, CRMC Coastal Policy Analyst

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100 Westminster Street, Suite 1500
Providence, RI 02903

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165 FERC ¶ 61,031
UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Before Commissioners: Kevin J. McIntyre, Chairman;
Cheryl A. LaFleur, Neil Chatterjee,
and Richard Glick.

National Grid LNG LLC Docket No. CP16-121-000

ORDER ISSUING CERTIFICATE

(Issued October 17, 2018)

1. On April 1, 2016, National Grid LNG LLC (National Grid) filed an application under section 7(c) of the Natural Gas Act (NGA)[1] and Part 157 of the Commission's regulations[2] requesting authorization to add liquefaction facilities at its existing Fields Point liquefied natural gas (LNG) storage facility in Providence, Rhode Island. Currently, natural gas to be stored at National Grid's facility must be trucked in from other facilities as LNG. The proposed Fields Point Liquefaction Project would enable customers to also transport gas as vapor by pipeline to Fields Point for liquefaction and storage.

2. For the reasons discussed below, the Commission will grant National Grid's requested certificate authorization, subject to conditions.

I. Background and Proposal

3. National Grid is a limited liability company organized under the laws of Delaware. National Grid owns and operates a 600,000-barrel of LNG (approximately 2 billion cubic feet of natural gas) capacity LNG storage facility at Fields Point on the Providence River in Providence, Rhode Island, and provides LNG storage, vaporization, and redelivery services subject to the Commission's jurisdiction. Customers currently truck LNG to the Fields Point facility for storage, and National Grid redelivers gas to those customers, most often as vapor via pipeline, and on occasion as LNG by truck. Narragansett Electric Company (Narragansett Electric)[3] pipeline facilities are used to deliver revaporized gas

[1] 15 U.S.C. § 717f(c) (2012).

[2] 18 C.F.R. pt. 157 (2018).

[3] Narragansett Electric is a local distribution company (LDC) that provides electric and gas services to retail customers in Rhode Island. Narragansett Electric has a limited *(continued ...)*

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from National Grid's storage facility to Narragansett Electric's distribution system and by displacement to an Algonquin Gas Transmission, LLC (Algonquin) interstate pipeline for ultimate delivery to National Grid's storage customers. The proposed project would effectively reverse this flow by enabling Algonquin to transport gas that Narragansett Electric would deliver to Fields Point to be liquefied and stored.

4. National Grid states that two of its existing customers, Narragansett Electric and Boston Gas Company (Boston Gas),[4] requested it add liquefaction capability to enable them to deliver gas to National Grid by pipeline and thereby diversify their supply sources.[5] To accommodate this request, National Grid seeks to add a 20 million standard cubic feet per day gas pretreatment and liquefaction system. National Grid states that the proposed facilities will be located within the boundaries of its existing Fields Point site and that it does not propose to alter the capacity of its existing LNG storage tank or the location of existing cryogenic piping and vaporization equipment. Feed gas for the proposed liquefaction facilities will be delivered via Narragansett Electric's existing 12-inch-diameter pipeline.

5. National Grid states that in conjunction with its Fields Point Liquefaction Project, Narragansett Electric plans to make electric infrastructure upgrades on its system in order

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jurisdiction blanket certificate, pursuant to section 284.224 of the Commission's regulations, to transport natural gas in interstate commerce. *Narragansett Electric,* 131 FERC ¶ 61,054 (2010).

[4] National Grid, Narragansett Electric, and Boston Gas are affiliated companies.

[5] National Grid observes that to date, "customers have relied primarily on a single source for their LNG by obtaining it from the Everett, Massachusetts import terminal." National Grid's Application at p. 6. However, "LNG has been sourced from other LNG suppliers in Canada, Pennsylvania, and New Jersey when needed." National Grid's Response to Comments on the Environmental Assessment, at p. 2 (Aug. 9, 2018). Most recently, the "ratio has been approximately 60% purchased from the Everett import terminal and 40% purchased from Quebec." *Id.* p. 6, n.15.

National Grid's customers state that "there are relatively few significant sources of LNG available for purchase in the Northeast," and add that during the 2013 refill season, they "were unable to acquire sufficient quantities of LNG to fill their storage tanks." Comments of Brooklyn Union Gas Company d/b/a National Grid NY; KeySpan Gas East Corporation d/b/a National Grid; Boston Gas and Colonial Gas Company, collectively d/b/a National Grid; Niagara Mohawk Power Corporation d/b/a National Grid; and Narragansett d/b/a National Grid (National Grid Gas Delivery Companies), at p. 4 (May 6, 2016).

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to provide a dedicated 13 megawatt 34.5 kilovolt electric service to power National Grid's proposed liquefaction equipment.[6]

II. Notice, Interventions, Comments, and Protests

6. Notice of National Grid's application was published in the *Federal Register* on April 21, 2016.[7]

7. Timely, unopposed motions to intervene were filed by Emlyn E. Addison; Sherrie Andre; Kate Aubin; Burrillville Against Spectra Expansion; Joshua C. Catone; Julian Drix; EMGIE Gas & LNG LLC; the Environmental Justice League of Rhode Island (Environmental Justice League); Christina Ergas; Maureen E. Farrell; Fighting Against Natural Gas; Nicolas Katkevich; the National Grid Gas Delivery Companies; Mary Pendergast; Gina Rodriguez; Ellen A. Tuzzolo; Marlena Von Hoffer; and Pia Ward.[8]

8. On March 27, 2018, No LNG PVD filed a late motion to intervene. National Grid filed a motion opposing the late intervention. We will grant No LNG in PVD's motion pursuant to Rule 214 of the Commission's regulations.[9]

9. Comments and/or protests were filed by individuals and other entities concerning project safety, environmental impacts, and project need. These comments are addressed in the Environmental Assessment (EA) for the project and in this order, as appropriate.

10. National Grid submitted answers in response to comments and protests. Although the Commission's Rules of Practice and Procedure do not permit answers to protests,[10]

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[6] Although Narragansett Electric's electric upgrades are not subject to the Commission's jurisdiction, we have considered the environmental impacts of these upgrades, along with other planned or proposed projects in the vicinity of the Fields Point site, in assessing the cumulative impacts of National Grid's proposal in section 2.9 of the Environmental Assessment (EA).

[7] 81 Fed. Reg. 23,477 (April 21, 2016).

[8] Timely, unopposed motions to intervene are granted by operation of Rule 214 of the Commission's Rules of Practice and Procedures. *See* 18 C.F.R. § 385.214 (2018).

[9] 18 C.F.R. § 385.214(d) (2018). Note that in *Tennessee Gas Pipeline Co., L.L.C.*, 162 FERC ¶ 61,167, at PP 49-51 (2018), we explained that going forward, we would apply a less lenient approach in considering out-of-time motions to intervene. We do not apply this new approach here, as No LNG in PVD submitted its motion prior to issuance of the *Tennessee Gas Pipeline Co., L.L.C.* order.

[10] 18 C.F.R. § 385.213(a)(2) (2018).

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our rules also provide that we may waive this provision for good cause.[11] We will accept the answers here because they have provided information that assisted us in our decision making.

11. Neesu Wushuwunoa requests we suspend this proceeding to "work with the Mashapaug Nahaganset Tribal Trust and Nation to develop an equitable process for consultation" on this "and future projects proposed to take place in Mashapaug Nahaganset ancestral lands."[12] Although we endeavor to consult with federally-recognized Indian tribes on a government-to-government basis under our *Policy Statement on Consultation with Indian Tribes in Commission Proceedings*,[13] in this case, taking into account that the Mashapaug Nahaganset is neither a federally- nor state-recognized tribe, we have elected to review the concerns expressed by Neesu Wushuwunoa in responding to comments submitted in this proceeding.

III. Discussion

12. Since the proposed Fields Point Liquefaction Project will be used for the transportation and storage of natural gas in interstate commerce, the construction and operation of the facilities are subject to the Commission's jurisdiction under NGA sections 7(c) and (e).[14]

A. Application of the Commission's Policy Statement on New Facilities

13. The Commission evaluates gas project applications guided by its policy statement on the certification of new facilities.[15] The Certificate Policy Statement establishes criteria for determining whether there is a need for a proposed project and whether it will serve the public interest. The Certificate Policy Statement explains that in deciding whether to authorize the construction of major new natural gas facilities, the Commission balances the public benefits against the potential adverse consequences. The Commission's goal is to give appropriate consideration to the enhancement of

[11] *Id*. § 385.101(e).

[12] Neesu Wushuwunoa's Comments, at p. 2 (Dec. 8, 2017).

[13] 104 FERC ¶ 61,108 (July 23, 2003).

[14] 15 U.S.C. §§ 717f(c) and (e) (2012).

[15] *Certification of New Interstate Natural Gas Pipeline Facilities*, 88 FERC ¶ 61,227 (1999), *orders on clarification*, 90 FERC ¶ 61,128 and 92 FERC ¶ 61,094 (2000) (*Certificate Policy Statement*).

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competitive transportation alternatives, the possibility of overbuilding, subsidization by existing customers, the applicant's responsibility for unsubscribed capacity, the avoidance of unnecessary disruptions of the environment, and the unneeded exercise of eminent domain in evaluating proposals for new projects.

14. Under this policy, the threshold requirement for an existing company proposing a new project is that the company must be prepared to financially support the project without relying on subsidization from its existing customers. The next step is to determine whether the applicant has made efforts to eliminate or minimize any adverse effects the project might have on the applicant's existing customers, existing jurisdictional companies in the market area and their captive customers, or landowners and communities affected by the location of the new facilities. If residual adverse effects on these interest groups are identified after efforts have been made to minimize them, the Commission will evaluate the proposal by balancing the evidence of public benefits to be achieved against the residual adverse effects. This is essentially an economic test. Only when the benefits outweigh the adverse effects on economic interests will the Commission proceed to complete the environmental analysis where other interests are considered.

15. National Grid's proposal satisfies the threshold requirement that it financially support the project without relying on subsidization from its existing customers. National Grid proposes to provide the new service under new incremental rate schedules with rates designed to recover the project's costs. Only customers utilizing the new liquefaction facilities will pay for the service, thus the project will not be subsidized by National Grid's other customers. Further, the proposal will not degrade service to existing customers, and there will be no adverse impact on other interstate pipelines or their captive customers. We note that no natural gas company or its captive customers have protested the application. Finally, as discussed below, we find the proposed project will have minimal impacts on landowners and surrounding communities.

16. The firm capacity of the proposed project is fully subscribed for a 20-year term under precedent agreements with Boston Gas and Narragansett Electric.[16] Boston Gas

[16] We note the Massachusetts Department of Public Utilities approved Boston Gas' 20-year agreement for firm liquefaction service, finding: it is consistent with that company's supply portfolio objectives; it compares favorably to a range of reasonable supply alternatives; that based on price and non-price factors, liquefaction would contribute to a flexible, reliable, and diversified portfolio, and; liquefaction would reduce reliance on imported LNG and allow access less expensive domestic gas. *Petition of Boston Gas Co. and Colonial Gas Co., each d/b/a National Grid, for Approval of Contracts for Liquefied Natural Gas and Liquefaction Services, pursuant to G.L. c. 164, § 94A*, Mass. D.P.U. Docket No. 15-129, at p. 24 (May 13, 2016). *See* National Grid's *(continued ...)*

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and Narragansett Electric state they rely on LNG to satisfy approximately 37 percent and 35 percent, respectively, of their projected peak day requirements, and stress "it is vitally necessary" for "gas distribution companies to have access to sufficient quantities of LNG in order to provide reliable service to the companies' retail customers," and that there are relatively few significant sources of LNG available for purchase in the Northeast.[17]

17. Based on the benefits the project will provide in making new liquefaction service available, and the lack of adverse effects on existing customers and other gas companies and their captive customers, as well as the minimal impacts on landowners and surrounding communities, we find, consistent with the Certificate Policy Statement and NGA section 7(c), that the public convenience and necessity requires approval of the proposed Fields Point Liquefaction Project, as conditioned in this order.

B. Objections to the Showing of Need

18. Some parties opposing the proposed project claim it is not needed, because to date gas trucked to the National Grid LNG tank has proved to be sufficient to meet peak day demands. However, not only have National Grid's storage customers indicated that they have encountered some difficulties in acquiring what they deem to be adequate supplies of LNG,[18] but the customers have asked National Grid to add facilities to enable them to bring gas to the storage tank by pipeline to diversify their supply portfolio by diminishing the need to rely on LNG, which is only available from a limited number of suppliers and can be subject to volatile pricing. National Grid Gas Delivery Companies state that the LNG import terminal in Everett, Massachusetts, is the only supply source "capable of meeting [National Grid's customers'] full LNG refill requirements,"[19] and express their apprehension that because the Everett facility is not subject to the Commission's NGA section 7 jurisdiction,[20] they have no regulatory assurance the Everett facility will continue to provide them firm service at cost-based just and reasonable rates. Although natural gas commodity prices are not subject to Commission jurisdiction, regardless of the source, National Grid's proposed liquefaction services would be provided under

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Answer to Comments, at p. 3 (May 23, 2016) and the National Grid Gas Delivery Companies' Comments, at p. 5 (Sept. 4, 2018).

[17] National Grid Gas Delivery Companies' Comments, at p. 4 (May 6, 2016).

[18] *See supra* n. 5.

[19] National Grid Gas Delivery Companies' Comments, at p. 3 (Sept. 4, 2018).

[20] *See Distrigas of Massachusetts LLC*, 124 FERC ¶ 61,039 (2008), in which we approved the abandonment of the Everett facilities and services under NGA section 7(b) in favor of regulation exclusively under NGA section 3.

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section 7, and thus subject to the protections inherent in the Commission's open-access regime. That the customers believe the proposed project will offer benefits not now available is evidenced by their committing to firm service for the full capacity that would be made available for a 20-year term. We accept these commitments as adequate evidence of the need for the proposed project.[21]

19. The Environmental Justice League contends that "switching from imported gas from Everett, will increase our dependency on the Algonquin pipeline, not diversify our energy needs."[22] We disagree. Currently, National Grid's customers are solely dependent on storage gas that can be purchased in liquid form (most frequently from Everett and on occasion from other locations) and trucked to the Fields Point facility. The proposed project would offer those customers the option to obtain gas in vapor form from domestic sources and deliver it to the storage tank by pipeline. Thus, these customers will not be locked into a "dependency" on Algonquin's pipeline, because they would still to be able to have LNG transported from Everett and elsewhere by truck.[23]

20. Some parties opposing the project argue that conservation, weatherization, and reducing demand could serve as substitutes for National Grid's peaking service, or that an equivalent service could be provided using renewable energy sources. As noted above, current customers, who, as LDCs, have obligations to meet the needs of their retail natural gas customers, have requested and committed to pay for new services. Further, as discussed in the EA, while alternatives such as conservation, weatherization, or utilization of energy from renewable sources could have the potential to affect consumption of natural gas in the area, the purpose of the proposed project is to liquefy gas to be held in storage for revaporization during the peak heating season on an as-

[21] The Commission's longstanding reliance on precedent agreements as substantial and sufficient evidence of need has been affirmed by the courts. *See Township of Bordentown, New Jersey v. FERC*, No. 17-3207, slip op. at 48 (3d. Cir. Sept. 5, 2018) ("A contract for a pipeline's capacity is a useful indicator of need because it reflects 'business decision' that such need exists. If there were no objective market demand for the additional gas, no rational company would spend money to secure the excess capacity.") *See also Myersville Citizens for a Rural Community, Inc. v. FERC*, 783 F.3d 1301, 1310-11 (D.C. Cir. 2015) and *Minisink Residents for Environmental Preservation and Safety v. FERC,* 762 F.3d 97 at 110, n.10 (D.C. Cir. 2014).

[22] Comments on EA, at pp. 1-2 (July 25, 2018).

[23] We note that one of National Grid's Fields Point customers, Consolidated Edison Company of New York, Inc. (Con Ed), has opted not to participate as a firm customer on the proposed project.

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needed, on-demand basis. Neither demand reduction nor renewable sources of energy are feasible alternatives for this purpose.

C. Rates

21. Commenters express concern the proposed project could cause retail rates to rise.[24] National Grid insists its project will have no direct impact on retail customer bills, since its customers are LDCs, not retail consumers, and it is not proposing any change to the rates of the LDCs' customers.[25] National Grid points out that retail rates are regulated by state public utility commissions (not this Commission), and a retail rate increase is not a foreseeable outcome of its proposed Fields Point Liquefaction Project. National Grid is correct that the proposed project will not directly impact retail rates, and we concur with National Grid's assertion that a state public utility rate proceeding is the appropriate forum to address issues concerning retail rates.

1. Initial Rates

22. National Grid proposes to provide two new separate, unbundled services – firm liquefaction (Rate Schedule LNG) and interruptible liquefaction (Rate Schedule LNG-D) – under Part 284 of the Commission's regulations at cost-based recourse rates. National Grid proposes initial rates composed of a Capacity Reservation Charge, a Transportation Reservation Charge, and a Fuel Charge. The Capacity Reservation Charge recovers the cost of the liquefaction facilities. The Transportation Reservation Charge is a flow-through of the annual expense National Grid will pay to Narragansett Electric to transport gas from Algonquin to National Grid for liquefaction pursuant to The Narragansett Electric Company Displacement Agreement.[26] The Fuel Charge is a fixed charge that recovers the gas and electricity expenses associated with the liquefaction process.

23. National Grid states it used the liquefaction equipment's design capacity of 20,600 Dekatherm (Dth) per day to develop its maximum firm recourse Capacity Reservation Charge of $179.7262 per Dth per month. National Grid derived this rate using straight

[24] *See, e.g.,* the Environmental Justice League's Comments on EA, attached comments at p. 1; Jenna Karlin's Comments (May 9, 2016); and Julian Drix's Comments (May 5, 2016).

[25] National Grid's Answer to Comments, at p. 14 (May 23, 2016).

[26] As noted, LNG is currently delivered by customers to the Fields Point LNG storage tank by truck and then redelivered to customers primarily by revaporizing the LNG and delivering the gas directly to the Narragansett Electric distribution system and by displacement to the Algonquin system, with lesser volumes sent out as LNG by truck.

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fixed-variable (SFV) cost classification based on a first-year cost of service of $50,814,839. The proposed cost of service reflects a capital structure of 63.96 percent equity and 36.04 percent debt,[27] a return on equity (ROE) of 10.55 percent,[28] a cost of debt of 4.62 percent, and a depreciation rate of 4.4 percent, which reflects a 25-year useful life and includes the cost of removing the asset.

24. In an April 13, 2018 data response, National Grid provided an adjusted cost of service and recalculated its initial recourse rates to reflect changes in the federal tax code, as per the Tax Cuts and Jobs Act of 2017,[29] which became effective January 2018. National Grid's work papers show that the effect of the tax code change is a reduction in both the estimated cost of service and the recourse rates. As National Grid's April 13, 2018 calculation reflects the federal tax code that will be in effect when the project goes into service, the Commission will use those revised recourse rates for the purpose of establishing the initial rates.

25. Based on National Grid's April 13, 2018 data response, its adjusted cost of service is $47,337,328, the maximum Capacity Reservation Charge for firm liquefaction under Rate Schedule LNG is $165.8191 per Dth per month, and the maximum Transportation Reservation Charge is $3.5667 per Dth per month. For interruptible liquefaction under Rate Schedule LNG-D, the revised maximum recourse Liquefaction Charge is $5.4516 per Dth per day, and the maximum Transportation Charge is $0.1173 per Dth per day. The interruptible rates for Rate Schedule LNG-D service are based on the 100 percent load factor equivalent of National Grid's firm Rate Schedule LNG rates. National Grid's initial Fuel Charge is $1.2397 per Dth.[30]

26. Based on National Grid's April 13, 2018 data response, the Authorized Overrun Charge is $5.4516 per Dth, which is equivalent to the maximum interruptible liquefaction

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[27] National Grid states that because it does not engage in external financing, the capital structure used is that of KeySpan Corporation, which is National Grid's first upstream parent company that engages in external financing.

[28] National Grid states that due to the fact that it has not had a rate case, the ROE used is the 10.55 percent approved by the Commission in the most recent litigated NGA section 4 general rate case: *El Paso Natural Gas Co.,* 145 FERC ¶ 61,040, at P 686 (2013).

[29] Pub 115-97, 131 Stat. 2054 (Dec. 22, 2017).

[30] In National Grid's June 13, 2016 data response it explains that the fuel expense was revised due to a revised heat input value. As a result of the revised fuel expense, the Fuel Charge changed from $1.2487 to $1.2397 per Dth.

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charge. Additionally, National Grid proposes an Excess Transportation Charge of $0.6000 per Dth.

27. National Grid states that the firm service capacity of the proposed project is fully subscribed for 20 years under precedent agreements with two of its three existing customers: Narragansett Electric and Boston Gas. Both companies have agreed to pay the recourse reservation rate under Rate Schedule LNG with a potential discount in the event costs exceed a specified threshold. National Grid's third existing customer, Con Ed, is considering whether to contract for firm liquefaction service as well. If it does so, the precedent agreements provide that the liquefaction service commitments of Narragansett Electric and Boston Gas will be reduced correspondingly. National Grid states that although firm liquefaction service capability is committed for existing LNG storage customers, interruptible liquefaction service may be available for other customers from time to time.

28. The Commission has reviewed National Grid's proposed cost of service, allocation, and rate design used to develop its proposed recourse rates under Rate Schedules LNG and LNG-D, as well as the Fuel Charge, Authorized Overrun Charge and Excess Transportation Charge, and finds that they are generally consistent with Commission policy. Therefore, the Commission will accept National Grid's proposed initial rates for service under Rate Schedules LNG and LNG-D as revised in the April 13, 2018 data response.

2. Interruptible Service Revenue Crediting

29. National Grid states that it has not allocated costs to the interruptible services but instead will credit those revenues to the firm liquefaction customers. However, the Commission's long-standing policy regarding new interruptible services requires either a 100 percent credit of interruptible revenues, net of variable costs, to maximum rate firm and interruptible customers, or an allocation of costs and volumes to such services.[31] Accordingly, we direct National Grid to modify section 36.2 of the General Terms and Conditions (GT&C) of its tariff to include the crediting of interruptible revenues to maximum-rate firm and interruptible customers.

3. Reporting Incremental Costs and Revenues

30. The Commission will require National Grid to keep separate books and accounting of costs and revenues attributable to the incremental services and capacity created by the proposed project as required by section 154.309 of the Commission's regulations.[32] The

[31] *Wyoming Interstate Co., Ltd.*, 121 FERC ¶ 61,135, at P 9 (2007).

[32] 18 C.F.R. § 154.309 (2018).

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books should be maintained with applicable cross-reference as required by section 154.309 of the Commission's regulations. This information must be in sufficient detail so that the data can be identified in Statements G, I, and J in any future NGA section 4 or 5 rate case, and the information must be provided consistent with Order No. 710.[33]

4. Tariff Issues

a. Rate Schedule FST-LG

31. National Grid proposes to modify the terms and conditions applicable to existing customers in the currently effective Rate Schedule FST-LG by extending service to customers that have obtained released firm capacity rights from another customer under this rate schedule pursuant to GT&C section 14. The Commission rejects National Grid's proposal. An NGA section 7 application is not the appropriate forum to modify the terms and conditions of a currently effective rate schedule. Therefore, National Grid is directed to remove this proposed modification in section 14. Our rejection of National Grid's proposal is without prejudice to National Grid pursuing similar changes in a future limited NGA section 4 proceeding.

b. GT&C Section 19 – Scheduling of Service

32. National Grid filed *pro forma* tariff revisions to the scheduling provisions in GT&C section 19.1 to effectuate the new liquefaction service. National Grid is directed to revise the scheduling provisions in section 19.1 consistent with the revised standard nomination and scheduling timelines the Commission incorporated by reference in Order Nos. 587-W[34] and 809.[35]

33. In addition, National Grid's proposed GT&C section 19.2, Liquefaction Service, provides the scheduling priority for firm and interruptible liquefaction services. Section

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[33] *Revisions to Forms, Statements, and Reporting Requirements for Natural Gas Pipelines*, Order No. 710, 73 Fed. Reg. 36,414 (June 27, 2008), FERC Stats. & Regs. ¶ 31,267, at P 23 (2008).

[34] *Standards for Business Practices of Interstate Natural Gas Pipelines; Coordination of the Scheduling Processes of Interstate Natural Gas Pipelines and Public Utilities*, Order No. 587-W, 80 Fed. Reg. 67,302 (Nov. 2, 2015), FERC Stats. & Regs. ¶ 31,373 (2015).

[35] *Coordination of the Scheduling Processes of Interstate Natural Gas Pipelines and Public Utilities*, Order No. 809, 80 Fed. Reg. 23,198 (April 24, 2015), FERC Stats. & Regs. ¶ 31,368 (2015).

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19.2(a) includes authorized overrun as the lowest priority within firm services, before other interruptible services listed in section 19.2(b). Commission policy requires that all interruptible services, including authorized overrun, be given the same priority for scheduling and curtailment.[36] National Grid is directed to modify section 19.2 accordingly.

34. Several sections of National Grid's *pro forma* tariff records appear to set forth incorrect references or include typographical errors. In a May 26, 2016 data response, National Grid provided revised language to correct GT&C section 19.4(b) by adding the words "and deliveries" to the sentence to describe the scheduling of LNG deliveries to interruptible customers. National Grid also provided revised tariff language to correct references to rate schedules. In addition, the Commission notes that GT&C section 18.4(c) makes reference to GT&C section 18.3(c), which does not appear in the tariff provisions. The Commission directs National Grid to correct these tariff provisions when filing tariff records 30 to 60 days prior to commencement of service.

D. Environmental Analysis

35. On September 25, 2015, the Commission issued a *Notice of Intent to Prepare an Environmental Assessment for the Planned Fields Point Liquefaction Project, Request for Comments on Environmental Issues, and Notice of Public Scoping Meeting* (NOI). The NOI was published in the *Federal Register*[37] and mailed to interested parties including federal, state, and local officials; agency representatives; environmental and public interest groups; Native American tribes; local libraries and newspapers; and affected property owners, including nearby residences.[38] We received comments in response to the NOI from one U.S. representative, three state senators, two state representatives, one local representative, three state agencies, one local agency, six local organizations, and 76 individuals. In addition, 20 organizations, individuals, and businesses filed motions to intervene in the project.

36. On October 8, 2015, Commission staff conducted a public scoping session in Providence, Rhode Island, to provide the public with an opportunity to learn more about

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[36] *See Sierrita Gas Pipeline LLC*, 147 FERC ¶ 61,192, at P 73 (2014); *Central New York Oil and Gas Co., LLC*, 114 FERC ¶ 61,105, at P 9 (2006) (citing *CNG Transmission Corp.*, 81 FERC ¶ 61,346, at 62,592 (1997); and *Tennessee Gas Pipeline Co.*, 62 FERC ¶ 61,250, at 62,676 (1993)).

[37] 80 Fed. Reg. 59,769 (Oct. 2, 2015).

[38] Section 157.6(d)(2)(iii) of the Commission's regulations defines "affected landowners" as those "within one-half mile of proposed" LNG facilities.

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the project and comment on environmental issues that should be addressed in the Environmental Assessment (EA). In total, 33 individuals provided oral comments on the project at the Commission's scoping session. A transcript of the scoping session was entered into the public record in Docket No. PF15-28-000 on October 29, 2015.

37. The primary issues raised during scoping include project purpose and need, renewable energy and energy conservation alternatives, risks from earthquakes, impacts on neighboring residential properties, environmental justice, impacts on public facilities, property values, employment opportunities, greenhouse gases (GHG), impacts on air quality, general safety issues (including safety of the nearby community), and cumulative impacts including climate change.

38. To satisfy the requirements of the National Environmental Policy Act of 1969 (NEPA),[39] Commission staff prepared an EA for National Grid's proposal. The EA was prepared with the cooperation of the Rhode Island Coastal Resources Management Council (CRMC), the Rhode Island Department of Environmental Management (RIDEM), and the U.S. Department of Transportation (DOT). The analysis in the EA addresses geology, soils, water resources (including existing groundwater contamination), vegetation, wetlands, wildlife, fisheries, threatened and endangered species, land use, recreation, visual resources, cultural resources, air quality, noise, reliability and safety, socioeconomics (including environmental justice), cumulative impacts, and alternatives. All substantive comments raised during the scoping process were addressed in the EA.

39. The EA was issued for a 30-day comment period and placed into the public record on June 25, 2018. The Commission received comments on the EA from Rhode Island State Senator Harold Metts, Rhode Island State Representative Joseph S. Almeida, City of Providence Councilman Seth Yurdin, the U.S. Environmental Protection Agency (EPA), RIDEM, the Narragansett Bay Commission, the Environmental Justice League,[40] the Rhode Island Student Climate Coalition, Save The Bay, National Grid, Jeff Davidson, Jonathan Hernandez, Lucy Rios, Luis (no last name provided), and Seth H. Handy.[41] The

[39] 42 U.S.C. § 4321 *et seq*. (2012).

[40] In addition to its own comments, the Environmental Justice League's July 7, 2018 submission attached comments opposing the proposed project (some of which had been previously submitted) from other organizations, officials, and individuals.

[41] Seth H. Handy urges the Commission not to preempt the CRMC's consistency determination. *See* the Coastal Zone Management Act of 1972 (CZMA), 16 U.S.C. §§ 1451-1464 (2012); *see also* 15 C.F.R. pt. 930, subpt. D (2018). We clarify that we could not preempt the CRMC's CZMA determination, or for that matter, any of the other separate federal authorizations that National Grid is required to obtain.

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U.S. Fish and Wildlife Service, New England Field Office, responded that it did not have comments on the EA.

40. National Grid provided several clarifications and updated information regarding various topics addressed in the EA, such as requirements pertaining to its Short Term Response Action Plan (STRAP) and STRAP Addendum approved by RIDEM, the expected project construction timeframe, mercury test results on proposed feed gas sources, and code design requirements for Seismic Categories I and II. We have noted these clarifications and updates. None of these minor updates changes the conclusions of the EA.

41. National Grid comments that the fire protection systems, uninterruptable power supply, emergency power generators, emergency lighting, radio communications, control valves, instrumentation and shut down systems associated with the project – which are referenced in the EA's recommendation 22 – are not associated with the LNG storage tank or any of its appurtenances, and thus should be classified as Seismic Category II instead of Seismic Category I. The code requirements for Seismic Category I are specific to LNG storage tanks and their appurtenances, whereas Seismic Category II applies to the Project systems. We have revised Environmental Condition 22 to clarify that only those proposed systems that could minimize potential cascading damage impacts to the existing LNG storage tank and its appurtenances should be classified as Seismic Category I.

42. U.S. Senators Jack Reed and Sheldon Whitehouse and U.S. Representatives David Cicilline and James Langevin jointly requested that the period of time to submit comments on the EA be extended from 30 to 60 days. As has been our practice, Commission staff in this proceeding continued to evaluate and respond to comments received after the close of the comment period. While not at issue in this proceeding, this practice is increasingly becoming a concern in permitting proceedings generally. We have been faced with an increasing number of comments submitted after the established deadline for responding to the environmental document has expired. In order for the Commission to evaluate and respond to comments while acting on pending certificate matters in a timely manner, commenters should comply with our notices soliciting comments and file their comments by the established deadlines.

1. EA vs. EIS

43. Save The Bay, City of Providence Councilman Seth Yurdin, and the Environmental Justice League contend the Fields Point Liquefaction Project merits an Environmental Impact Statement (EIS), rather than the EA that was undertaken, arguing an EIS would provide a more detailed evaluation of project impacts. As an initial matter, we do not believe there are issues inadequately or inaccurately reviewed in the EA. We affirm the determination reached in the EA that if National Grid constructs and operates its proposed facilities in accordance with its application, as supplemented, and the environmental conditions described in the EA (which are incorporated as applicable in

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the appendix to this order), approval of the Fields Point Liquefaction Project would not constitute a major federal action significantly affecting the quality of the human environment. Consequently, because of this finding of no significant impact, there is no cause to prepare an EIS.

44. In this case, Commission staff, guided by experience with prior liquefaction projects and section 380.5 of the Commission's regulations, determined it would be appropriate to initially undertake an EA. The EA thoroughly assessed the proposed project's potential impacts on the resources that would be evaluated in an EIS, and concluded the proposed project would have no significant impact. The comments contain nothing that undermines this conclusion. Rather, the reasons advanced for why an EIS must be prepared largely rest on public concerns regarding the continued operation of the existing Fields Point facility, a matter which is not at issue in this proceeding.

2. Alternatives

45. The regulations of the Council on Environmental Quality (CEQ) require that an EA include a brief discussion of alternatives to the proposed action.[42] Commenters complain the EA's discussion of the alternatives of using renewable energy sources and energy conservation measures was insufficient.

46. The EA acknowledges renewable energy and energy conservation as potential alternatives, but found these would not be reasonable alternatives because they could not fulfill the project's purpose, which is to add liquefaction capability at the Fields Point LNG facility. The EA finds (1) renewable sources could not provide energy in the form and quantities demanded by the project's customers, and (2) while energy conservation initiatives within the Fields Point service area could help to alleviate overall peak shaving demands, energy conservation would not eliminate the need for peak shaving services.[43] In view of this, we concur with the EA's conclusion that renewables and/or conservation are not feasible project alternatives, and were therefore appropriately rejected.

47. Commenters expect renewable energy sources to be developed at an increasingly rapid pace, and to eventually displace the current need for National Grid's LNG storage services.[44] We will not reject a pending proposal for which a current need has been

[42] 40 C.F.R. § 1508.9(b) (2018).

[43] EA section 3.3 Energy Alternatives at p. 144.

[44] For example, Jonathan Hernandez expects "natural gas will very soon become uncompetitive with renewable alternatives coupled with storage solutions" so that "[b]y the time this project is completed, it will already be obsolete and a few years later will be uncompetitive with renewable energy and battery storage alternatives." Comments, at

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shown based on speculation that the project may no longer be needed at some point in the future. We presume National Grid and its customers would not undertake the financial risks inherent in adding the proposed liquefaction capability unless they were confident demand for the new services would be sustained for long enough to justify the investment.[45] Given that National Grid will be at risk for the cost of the project, we also presume the company has prudently projected the duration of demand for the new services it seeks to provide. We decline to second guess National Grid's business decision based on speculation about prospective changes in energy markets.

3. KeySpan LNG, L.P.

48. In 2005, we denied a request by KeySpan LNG, L.P. (KeySpan) to use its existing LNG storage tank at Fields Point to support the development of a new LNG import terminal.[46] In 2007, National Grid acquired KeySpan's assets. U.S. Representative Cicilline asks that we determine whether the denial in *KeySpan* is relevant to the Fields Point Liquefaction Project. Several of the parties that opposed KeySpan's LNG import terminal are participants in this proceeding, and they repeat and renew arguments initially put forth in the *KeySpan* case. They assert we should follow the same rationale we relied on in denying KeySpan's request to also deny National Grid's request, or alternatively, require that National Grid bring the LNG storage tank into compliance with current safety standards as a condition of our approval to add liquefaction facilities.[47]

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p. 1 (July 25, 2018).

[45] We note the customers committing to firm long-term service, Boston Gas and Narragansett Electric, state they expect to "have an increasing need for LNG resources to meet projected incremental customer demands" and add that "[i]nterstate pipeline capacity cannot be relied upon exclusively to meet projected demand increases," pointing out that "the suspension by Kinder Morgan of its Northeast Energy Direct Project has increased the urgency of obtaining access to incremental LNG supplies." National Grid Gas Delivery Companies' Comments, at p. 5 (May 6, 2016). *See also supra* note 21.

[46] *KeySpan*, 112 FERC ¶ 61,028 (2005), *order dismissing and denying reh'g*, 114 FERC ¶ 61,054 (2006).

[47] DOT, which oversees compliance with the 49 C.F.R. Part 193 safety standards, does not require existing LNG storage tanks such as the National Grid's, which met the regulatory requirements in effect when it was placed in service, to make modifications to be able to comply with subsequent regulatory changes. However, if certain existing LNG facilities are replaced, relocated, or significantly altered, they may then become subject to current Part 193 standards governing siting, design, installation, and construction. *See* 49 C.F.R. § 193.2005(b) (2018).

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49. We do not believe the outcome in *KeySpan* should determine the outcome here. Prior to *KeySpan*, we had permitted companies to make modifications to LNG facilities without requiring that existing facilities be upgraded to comply with contemporary regulatory requirements.[48] In contrast to those cases, we deemed KeySpan's request to be a case of first impression, because "for the first time, we have been presented with a proposal to construct a new LNG import facility which would incorporate an existing LNG storage facility;"[49] thus, "[i]n essence, KeySpan is proposing to construct a new LNG import terminal."[50]

50. Before KeySpan sought to make use of its existing LNG storage tank as a component of a new LNG import terminal, the same tank had been owned by Algonquin LNG, Inc. (Algonquin LNG). Algonquin LNG operated the Fields Point facility as National Grid now does, receiving deliveries of LNG by truck for storage, and then sending the stored LNG out to customers as vapor by pipeline or as LNG by truck. During the period of its ownership, Algonquin LNG sought authorization to modify the facility by, among other things, connecting it to a pipeline and adding liquefaction capability so it could offer the same service that National Grid now seeks to provide; namely, the option for customers to deliver gas by pipeline and have it liquefied on site and stored as LNG. In granting Algonquin LNG's requested authorization, we did not require that the existing LNG storage tank be modified to meet then-current DOT safety, due to DOT's determination that adding liquefaction facilities would not be a significant modification of the LNG tank.[51] Ultimately, Algonquin LNG, citing market conditions, decided not to go forward with its project. Now National Grid has revived, in large part, Algonquin LNG's proposal.

51. We find National Grid's proposal here to be far closer in intent, design, scope, and scale to Algonquin LNG's proposal to receive by pipeline and liquefy gas at the existing storage facility than to KeySpan's proposal to build a new LNG terminal incorporating the existing LNG storage tank. Accordingly, we find the rationale and result in *Algonquin LNG* to be the more appropriate model to follow. Thus, as we concluded in

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[48] *See, e.g.*, *Cove Point LNG Limited Partnership*, 97 FERC ¶ 61,043, *orders on reh'g and clarification,* 97 FERC ¶ 61,276 (2001) and 98 FERC ¶ 61,270 (2002); *Southern LNG, Inc.*, 103 FERC ¶ 61,029 (2003); and *Trunkline Gas Company,* LLC, 108 FERC ¶ 61,251 (2004), *order amending certificate*, 110 FERC ¶ 61,131 (2005).

[49] 112 FERC ¶ 61,028 at P 57.

[50] *Id.* at P 2.

[51] *Algonquin LNG*, 79 FERC ¶ 61,139, at 61,607 (1997), *order on reh'g*, 83 FERC ¶ 61,133 (1998); s*ee also* Algonquin LNG's EA, at p. 60 (Feb. 2, 1997).

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Algonquin LNG we conclude here: the proposal to add a pipeline interconnect and liquefaction capability at the LNG storage tank does not significantly alter the tank, and thus does not require upgrading the tank to meet current DOT safety standards.

4. Public Safety

52. Commenters express concerns about the safety of the proposed project, in particular, the potential risks to nearby schools, day care centers, hospitals, health care centers, and residential communities. The Environmental Justice League disagrees with the EA's conclusion that the proposed facilities would be a sufficient distance away from existing and planned future residences and public services.

53. The proposed new facilities will be installed inside the existing security fence surrounding the Fields Point site. The LNG storage tank has been operating since 1974 without significant incident and no changes are proposed to the tank. The EA observes that Fields Point is in an industrial area, and adding liquefaction capability does not represent a new type of use, since the Fields Point site will continue to function as an LNG storage facility. The EA describes DOT siting requirements,[52] which mandate that certain spills and releases cannot extend beyond the property line. DOT has reviewed and does not object to the criteria and methodology National Grid used to identify design spill scenarios. Based on the hazard analyses discussed in EA section 2.8.5, we affirm the proposal would not significantly increase the risk to development adjacent to the Fields Point site or to the public beyond the adjacent development. We therefore find the proposed project's location would be a sufficient distance away from existing and planned future residences and public services. We concur with the EA's conclusion that National Grid's design includes acceptable layers of protection or safeguards that would reduce the risk of a potentially hazardous scenario from developing into an event that could impact the offsite public.

54. Some comments do not take issue with the proposed liquefaction facilities per se, but raise objections to the continued operation of the LNG storage tank. The proposed project has been evaluated to determine if it could impact the safety and reliability of the existing LNG storage tank, and we have found that it would not, as it would not modify the existing mode of operation of the storage tank. The existing tank is subject to regular inspections by DOT and Commission staff to ensure its continued safe and reliable operation. Because the continued operation of the LNG storage tank is not at issue in this proceeding, we confine our responses to safety concerns related to the newly proposed facilities.[53]

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[52] 49 C.F.R. pt. 193, subpt. B (2018).

[53] If the proposed facilities are placed in service, they too become subject to

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55. Save The Bay maintains the public is entitled to review the plan to shut down the facility in the event of a major storm and should be made aware of potential impacts due to emergency situations.[54] The Narragansett Bay Commission observes that EA section 2.8.4 directs National Grid to submit certain information on the proposed project's design, construction, operation, and emergency procedures and asks that National Grid's submissions be made public.[55]

56. In response to Save The Bay, we note LNG plant operators must prepare emergency procedures that provide for: responding to controllable emergencies and recognizing an uncontrollable emergency; taking action to minimize harm to the public including the possible need to evacuate the public; and coordinating and cooperating with appropriate local officials.[56] Information pertaining to items such as offsite emergency response and procedures for public notification and evacuation is subject to public disclosure. In response to the Narragansett Bay Commission, we note this order's environmental conditions require National Grid to submit the information described in EA section 2.8.4. Upon submission, this information becomes part of the record in this proceeding and thereby accessible to the public. If upon submission, certain information is initially withheld from public view, Save The Bay, the Narragansett Bay Commission, or others may seek access pursuant to the procedures described in sections 388.108 and 388.113 of the Commission's regulations.

57. In answer to Save The Bay's concern about a major storm event, National Grid has an existing Facility Response Plan in place that addresses weather-related events at Fields Point. National Grid states that:

> [I]n the event of severe weather, including flooding, the LNG plant would go into shut down mode that includes closing of all transfer valves and isolation systems. The internal valves on the LNG storage tank as well as filling valves would be shut and no liquid could be transferred in or out of the tank. The proposed liquefaction facilities would shut down in a similar manner.[57]

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ongoing inspection by DOT and Commission staff.

[54] Save The Bay's Comments on EA, at 3-4 (July 24, 2018).

[55] The Narragansett Bay Commission's Comments on EA, at p. 1 (Aug. 2, 2018).

[56] *See* 49 C.F.R. § 193.2509 (2018).

[57] National Grid's Answer to Comments on the EA, at pp. 18-19 (Aug. 9, 2018).

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58. In addition, this order's Environmental Condition No. 61 requires National Grid to update its emergency procedures, which include the existing Facility Response Plan, prior to commissioning its new liquefaction facilities. As part of developing an updated Facility Response Plan to protect the public in the event of an emergency, National Grid will work with area firefighters and emergency responders to identify any additional coordination, response equipment, or training that may be appropriate for the new facilities and products.[58]

5. Bund Wall: Segmentation and Safety

59. In its application, National Grid stated its intention to add a reinforced concrete bund wall around its LNG storage tank, and stressed that this wall and its proposed liquefaction facilities are independent projects. National Grid explained that by undertaking these two projects simultaneously, it could reduce overall peak construction manpower and temporary construction vehicle traffic. National Grid maintained that the bund wall qualifies as an auxiliary installation under section 2.55(a) of the Commission's regulations. Commission staff sought clarification on how the bund wall could qualify as a section 2.55(a) auxiliary installation. In response, National Grid replied that it is reevaluating the design of the bund wall and no longer expects to proceed with its construction at the same time as the proposed liquefaction facilities.[59]

60. The Environmental Justice League insists the proposed liquefaction project should be considered in conjunction with construction of the bund wall, citing CEQ regulations that state connected actions, cumulative actions, and similar actions should be considered in a NEPA review to preclude segmenting federal actions into separate projects and thereby failing to address the true scope and impact of the activities that should be under consideration. Connected actions (1) automatically trigger other actions; (2) cannot or will not proceed unless other actions are taken previously or simultaneously; and (3) are interdependent parts of a larger action and depend on the larger action for their justification.[60] Actions are cumulative if, when viewed with other proposed actions, they have cumulatively significant impacts and should therefore be discussed in the same

[58] *See* 49 C.F.R. § 193.2509(b)(3) (2018).

[59] *See* National Grid's March 16, 2017 data response. National Grid adds that after it completes "its reevaluation of the storage tank containment enhancement project, it commits to meet with the Commission staff to discuss its plans and to file a Natural Gas Act section 7(c) application for the project, if appropriate for the design at that time." *Id.* at p. 1.

[60] 40 C.F.R. § 1508.25(a)(1) (2018).

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impact statement.[61] Similar actions are those "which, when viewed with other reasonably foreseeable or proposed agency actions, have similarities that provide a basis for evaluating their environmental consequences together, such as common timing or geography."[62]

61. We find that adding liquefaction capability (which, as discussed, does not involve significant changes to the LNG tank) and adding a bund wall specifically for the LNG tank (i.e., not for the newly-proposed facilities) are functionally independent projects, either can go forward without the other. Thus, the Fields Point Liquefaction Project does not qualify as a connected action to the bund wall. Whether the bund wall's impacts should be added to the proposal's impacts as cumulative or similar is no longer relevant, since National Grid no longer plans to build the wall at the same time as the liquefaction facilities and we have no such proposal before us. We affirm the Fields Point Liquefaction Project is not a segment of a larger action.

62. The Environmental Justice League objects to National Grid setting aside plans to build a bund wall, stating that by not building the wall, "National Grid is trying to ignore safety concerns over the aging tank."[63] With respect to safety, as to the hazard analyses and thermal exclusion zones, the EA concludes that "dispersion hazards from thermal radiation, vapor dispersion, and explosion overpressure would not extend beyond the boundaries of the Project site;" further, the "site is a sufficient distance away from existing and planned future residences and public services," thus "no significant adverse impacts would occur during Project construction or operation."[64] In addition, the EA evaluated the proposed project to determine if it could impact the safety and reliability of the existing LNG storage tank, a proposed concrete barrier separating the liquefaction facilities from the existing LNG storage tank, and a proposed impoundment system that reduces the risk of an incident impacting the existing LNG storage tank. To ensure there would be no adverse impacts, we adopt recommendations to finalize the design of these components and others, and include Environmental Condition No. 36, which directs

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[61] *Id.* at. § 1508.25(a)(2).

[62] *Id*. at § 1508.25(a)(3). Unlike connected and cumulative actions, an agency has some discretion about combining similar actions in the same environmental review. *See, e.g., Earth Island Inst. v. U.S. Forest Serv.,* 351 F.3d 1291, 1305-06 (9th Cir. 2003).

[63] The Environmental Justice League's Comments on EA at p. 5.

[64] *See* EA at p. 33. We note our assessment of potential project impacts was based on the Fields Point site as is, and did not rely on the prospective installation of other facilities such as a bund wall.

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National Grid to file an updated vacuum relief analysis for the existing LNG tank.[65] In view of these conclusions, and our finding that the new liquefaction facilities would not significantly alter the existing LNG storage tank, we have no reason to subject the existing tank to hazard analyses as a component of our assessment of the safety of the new liquefaction facilities. Consequently, the bund wall has no bearing on our review of the application before us, and this proceeding is not the appropriate forum to discuss whether or how to build a bund wall.[66]

6. Environmental Justice

63. Rhode Island Senator Harold M. Metts jointly with U.S. Representative Joseph S. Almeida, the Environmental Justice League, and others, insist the proposed Fields Point Liquefaction Project will have disproportionately high and adverse impacts on minority or low-income populations and pose a risk to these populations. Some commenters claim we have failed to follow the directives of Executive Order No. 12898.[67]

64. We note that although the EA does consider potential project impacts on minority or low-income populations as part of the assessment of socioeconomic effects, it does not do so pursuant to Executive Order No. 12898, as that order does not apply to independent agencies such as the Commission. Accordingly, the Commission is not bound by the directives of that Executive Order. In addition, some comments seek to establish that because Fields Point is in an industrial area, and because minority and low-income populations are in the same area, no further development should be permitted in this area. Setting aside the merits of such a policy, we clarify that our review looks at the potential impacts of the particular project before us to gauge whether its impacts would result in a disproportionately high and adverse impact on minority or low-income populations. Thus, in this case we do not look back and attempt to determine whether longstanding industrial operations proximate to the Fields Point site may have contributed to disproportionately high and adverse impacts on the health and safety of nearby residents. Rather, we take the current conditions as they are and ask whether impacts of the

[65] In a Sept. 19, 2016 Data Response on whether the existing pressure relief and vacuum relief needed modification as a result of the addition of the proposed liquefaction facilities, National Grid only addressed pressure relief valves.

[66] We note that while there may be advantages to constructing the separate projects simultaneously, such as administrative efficiencies and a compacted time frame, we have no cause to compel National Grid to do so.

[67] *Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations*, 59 Fed. Reg. 7629 (Feb. 11, 1994).

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proposed project, when added to the status quo, will cause disproportionately high and adverse impacts. As discussed below, we find they will not.

65. We do not dispute commenters' claims that environmental conditions in the vicinity of Fields Point reflect its historic use as a site for industrial operations; however, we anticipate the additional environmental degradation the proposed project may cause would be minimal, and would not result in high and adverse impacts on affected populations. Given our finding that no affected population would be subject to high and adverse impacts, we see no reason to discuss claims that fault our geographic and demographic identification of affected populations. Commenters have not presented arguments or evidence that call into question the EA's conclusion, based on a rigorous analysis employing the use of the EPA's EJSCREEN tool, that the proposed project will not have disproportionately high and adverse impacts on minority or low-income populations. As stated in EA sections 2.5.1, 2.5.4, and 2.7.1, the proposed project would generate positive benefits for the local economy and have relatively little impact on traffic, minimal impacts on air quality, and minimal impacts on local minority or low-income communities. The EA also considered potential impacts of accidents, and determined National Grid's facilities' design includes acceptable layers of protection and safeguards to reduce the risk of a hazardous scenario from developing into an event that could impact the offsite public, regardless of demographic make-up. In view of this, we find the EA adequately considered the proposed project's potential environmental impacts and properly concluded it would not have disproportionately high and adverse impacts on minority or low-income populations.

7. Sea Level Rise and 500-year Design Basis

66. The analysis in the EA used a 30-year design life for the facilities in projecting potential environmental impacts. Commenters claim this is too short a time frame, because the new facilities may be in service for more than 30 years, and if so, the potential for more extreme environmental impacts increases. In particular, commenters point to the prospect for the sea level to rise. The EA took this into account,[68] and noted that although regulations require National Grid to design its proposed liquefaction facilities to withstand a 100-year flood event, National Grid has elected to design the facilities to withstand a 500-year flood event, which exceeds the DOT's federal regulations and CRMC requirements. In addition, National Grid will place concrete jersey barriers along the north side of the project site. Designing the facilities to a higher standard than required should enhance resistance to the risks of damage due to extreme events such as sea level rise, hurricanes, and floods.

[68] *See, e.g.*, the discussion in the EA of National Grid's Coastal and Hydraulic Modeling Analysis at pp. 89-91 and EA section 2.9.2.5 on climate change.

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67. With respect to the facilities' anticipated 30-year design life, as stated in the EA and in Environmental Condition No. 13 of this order, National Grid will be required to submit a surface maintenance plan that ensures the crest elevation relative to mean sea level will be maintained for the *life of the facility*. Although we assess the proposed facilities using a 30-year design life, once in operation, the new liquefaction facilities, along with the existing Fields Point LNG facilities, will be subject to regular on-site inspections by Commission staff for as long as the facilities remain subject to our jurisdiction. Thus, for the facilities to continue to operate, they must continue to comply with all applicable conditions and requirements.[69] In the event circumstances indicate National Grid may no longer be capable of operating its facilities in accordance with the conditions of its authorization – whether in 5 years or 50 years – the Commission may compel National Grid to show cause why it should not abandon noncompliant facilities and services.[70]

68. Save The Bay is not satisfied with the Environmental Condition No. 13 requirement that National Grid submit "a surface maintenance plan for a perimeter berm, stamped and sealed by the professional engineer-of-record, registered in Rhode Island" with "procedures to ensure the crest elevation relative to mean sea level would be maintained for the life of the facility considering berm settlement, subsidence, and sea level rise." Save The Bay states that the Commission "may not skirt its obligation to take a 'hard look' at the environmental consequences by delegating future issues concerning the safety of the tank to an engineer hired by National Grid."[71]

69. We clarify that we are not delegating our assessment of environmental impacts to a third party. National Grid has designed its proposed facilities to withstand a 500-year

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[69] This applies as well to the 49 C.F.R. pt. 193 regulations enforced by PHMSA. We note that National Grid, like all certificate holders, has an "obligation to add or even replace facilities necessary to maintain the certificated capacity," or alternatively "to seek abandonment" under NGA section 7(b). *Maritimes and Northeast Pipeline, L.L.C., et al.*, 80 FERC ¶ 61,136, at 61,476 (1997).

[70] The CRMC, in its Coastal Zone Management Federal Consistency Determination, states that any "substantial changes to the proposed Project from the material presented by National Grid, or later substantial modifications to the license issued by FERC, may require a separate CZMA review." National Grid's submission of the CRMC decision, at p. 2 (Dec. 20, 2017). We concur with National Grid's observation that if "the liquefaction equipment continues to operate beyond the currently anticipated 30 years, then the CRMC may need to engage in another consistency review." National Grid's Answer to Comments on the EA at p. 16.

[71] Save The Bay's Comments on EA at p. 4.

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flood event, thereby exceeding DOT regulations and National Oceanic and Atmospheric Administration recommendations.[72] We have determined, after taking a hard look, that National Grid's proposed protective measures, including its design of revetment and jersey barriers, along with the site and equipment elevations and locations, would be sufficient to protect the proposed facilities from a 500-year still water elevation level of 19 feet and a sea level rise of 0.9 feet. We will review the surface maintenance plan when it is submitted, and thereafter continue to monitor the adequacy of National Grid's protective measures as part of our ongoing oversight of the Fields Point facilities and operation.

8. Surface Water and Groundwater Resources

70. Commenters express general concerns about the proposed project's impact on surface water resources, the project's potential to cause water pollution, and the potential spread of existing groundwater contamination in the project area. As explained in the EA, National Grid is required to obtain a Water Quality Certification from RIDEM. In addition, National Grid must adhere to its project-specific *Spill Prevention, Control, and Countermeasure Plan & Preparedness, Prevention, and Contingency Plan*, which will ensure that impacts on surface water resources are not significant.[73] Further, the EA concludes that based on the mitigation measures to which National Grid has committed in its STRAP and STRAP Addendum, existing groundwater contamination at the project site will be managed effectively to minimize impacts on groundwater resources during construction and operation of the project.[74] We concur with these conclusions.

71. RIDEM observes that the EA does not indicate whether the proposed stormwater collection and treatment system will be lined to reduce potential impacts on groundwater resources on site. RIDEM recommends that National Grid provide an evaluation of how its impoundment rainwater removal systems in the existing Truck Loading Sump area will comply with both the Rhode Island Pollution Discharge Elimination System and Water Quality Regulations. Because the details of the RIDEM recommendations were not included in the EA, and National Grid has not provided information to specify whether the stormwater collection and treatment system will be lined, we have included Environmental Condition Nos. 17 and 18 in the appendix to this order, which respectively require that prior to construction, National Grid file for Commission review and approval (1) a plan that specifies how the stormwater collection and treatment system will be lined in order to reduce potential impacts on groundwater resources on site, and

[72] EA at p. 90.

[73] *Id.* at p. 26.

[74] *Id.* at p. 23.

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(2) an evaluation of how the impoundment rainwater removal systems will comply with both the Rhode Island Pollution Discharge Elimination System and Water Quality Regulations. National Grid's compliance with RIDEM's recommendations and our environmental conditions will ensure the project will have no significant adverse impacts.

72. RIDEM also observes that the Providence River at the location of the project site should be classified as SB1{a}, rather than SB1 as indicated in EA section 2.2.2.1. According to RIDEM Water Quality Regulations, {a} indicates a partial use designation due to impacts from Combined Sewer Overflow. Primary contact recreational activities, shell fishing uses, and fish and wildlife habitat will likely be restricted. This change does not affect our analysis and we have noted the correction.

9. Short Term Response Action Plan

73. The Environmental Justice League argues the Commission should require full remediation of the entire Fields Point site prior to National Grid installing the proposed liquefaction facilities. As described in more detail in EA section 1.4.3, RIDEM's Office of Waste Management is overseeing National Grid's cleanup of Fields Point. RIDEM determined that a STRAP was appropriate and required for the remediation of the impacted soil and groundwater on that portion of National Grid's property where the liquefaction facilities would be located. RIDEM and National Grid participated in a Public Involvement Plan to collect and respond to community concerns about the investigation and cleanup of the Fields Point site. Additionally, RIDEM expanded the public participation process to the maximum amount of time allowable by regulation. RIDEM responded to all technical STRAP comments, as well as comments concerning RIDEM's jurisdiction and the regulatory process.[75] National Grid has submitted a STRAP and STRAP Addendum. RIDEM concurs with, and is monitoring compliance with, these plans. Commenters fault National Grid's STRAP for not being a comprehensive plan to fully remediate the entire site. RIDEM, which has been supervising remediation of the Fields Point site for decades, has found National Grid's STRAP sufficient to permit the liquefaction project to go forward without first fully remediating the entire site, and we accept this determination.

10. Air Emissions and Climate Change

74. Several commenters express concerns about the proposed project's potential short- and long-term air quality impacts. Emissions attributable to construction are reviewed in the EA, and we affirm the finding that although air quality in Providence County would be affected by fugitive dust and combustion emissions attributable to construction equipment, land disturbance, and increased traffic from worker and delivery vehicles,

[75] *Id.* p. 6-7.

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these emissions would be below all applicable air quality standards, only minimally impact local and regional air quality, and be intermittent and temporary. As an added measure of protection, National Grid will conduct perimeter air monitoring for respirable dust and total volatile organic compounds during construction.

75. With respect to long-term air impacts attributable to operating the new liquefaction facilities, the EA found that the addition of a regeneration heater and emergency generator would produce only small amounts of emissions, which would comply with air quality provisions and minimally impact local and regional air quality as illustrated through a refined dispersion modeling analysis.[76] Further, the EA noted that the existing LNG storage tank does not require a Title V permit,[77] and with the addition of the maximum potential emissions of all pollutants from the proposed liquefaction facilities, the Fields Point emissions would remain well below any applicable major source threshold, and thus would not require a Title V permit.

76. Comments that claim the proposed project will contribute to global climate change or encourage additional domestic natural gas production indicate a misunderstanding of this particular proposal. The Fields Point Liquefaction Project is not expected to make changes to current quantities of gas produced, gas delivered to the storage tank, LNG stored, gas delivered to National Grid's customers, or gas ultimately consumed. Although the proposal may diminish the distance between wellhead and burnertip for some shipments of gas, it should not alter volumes of gas produced or consumed, and thus should not cause a significant change in emissions.

77. In response to comments received on the EA requesting more detailed information about changes in truck transport and LNG-related air emission impacts, National Grid

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[76] *Id.* pp. 59-60. The EA found the proposed project would not alter the current levels of emissions from truck loading and unloading, valves, flanges, connectors, pump seals, maintenance activities, emergency venting, equipment operated intermittently, and laboratory equipment.

[77] The Title V Operating Permit Program, described in 40 C.F.R. pt. 70 (2018), requires major stationary sources of air emissions to obtain an operating permit if potential emissions of criteria pollutants would exceed certain thresholds. RIDEM clarifies that the New Source Performance Standards, Subpart Dc, *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units*, is not applicable to the proposed regeneration heater, as the heater's capacity is rated at less than 10 million Btu per hour. In addition, RIDEM points out that several sub-headings under the Adobe Acrobat version of the EA on the Commission's e-library, and distributed to commenters via compact disc, are incorrectly listed under the heading "Title V Operating Permit." We have noted these corrections.

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presented an expanded evaluation of GHG emissions that not only takes into account a potential decrease in emissions due to substituting transportation by pipeline for transportation by truck (similar to the scenario posited in the EA), but also compares the difference in emissions due to substituting transportation by pipeline for transportation by ship to the Everett, Massachusetts, LNG terminal. National Grid's estimates indicate the proposal would result in a net decrease in transportation-related GHG emissions (as carbon dioxide equivalent (CO_2e)) of between approximately 2,756 to 3,781 tons per year.[78] Some of these emission reductions are attributable to replacing trips by trucks taking foreign LNG from Everett or Quebec with shorter trips from Fields Point, made possible by adding the ability to receive domestic gas by pipeline and liquefy it at Fields Point. The remaining decreases are attributable to reducing net marine transport of LNG to Everett, again made possible by the proposed project.

78. We accept the premise that to the extent the proposed project permits National Grid's customers to displace foreign sources of natural gas, liquefied abroad and transported by ship, with domestic sources of natural gas, delivered by pipeline and liquefied on site, global GHG emissions should be reduced. National Grid observes the EA's estimate of the proposed project's GHG emissions is based on a theoretical maximum, and therefore overstates the likely emissions from actual operations. The EA assumes the regeneration heater will operate 8,760 hours per year – i.e., continuously for a year – resulting in an estimate of 5,160 tons of GHG per year. National Grid expects to operate the heater up to 214 days a year during the summer storage fill period, and does not expect it to run 24 hours per day, and so suggests a more reasonable estimate of the heater's GHG emissions would be 1,513 tons per year. National Grid's lesser estimate may represent a more realistic scenario; however, this does not affect the determination in the EA that the proposed project would not result in significant cumulative impacts.[79]

11. Traffic

79. The Narragansett Bay Commission and the EPA maintain there is a need for more detail concerning how the proposed project may affect truck transport of LNG to and from the modified Fields Point LNG facility. Specifically, the EPA recommends that the EA's discussion of truck trips during operation explain in greater detail the conclusion that completion of the project would not meaningfully change the numbers of LNG truck trips to and from Fields Point. The EPA also requests there be a quantitatively estimate of the change (1) in the number of truck trips from Everett to Fields Point after the addition of the liquefaction facilities; (2) in deliveries to other sites from National Grid's existing Fields Point LNG storage facility; and (3) the corresponding change in truck-

[78] *Id.*

[79] *Id.* p. 140-42.

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transport-related emissions. The Narragansett Bay Commission expresses concerns that increased traffic impacts are not being properly assessed, and recommends that off-site shipments be addressed in more detail.

80. In its application, National Grid studied potential changes in traffic volumes in the project area and the Providence region.[80] As stated in the EA, according to National Grid, installing liquefaction facilities would not meaningfully change the number of LNG truck trips to and from Fields Point.[81] In response to comments related to traffic congestion, National Grid performed a more detailed study of the transportation of LNG to and from Fields Point.[82] We have reviewed National Grid's assessment of the impact of its proposed project on vehicular traffic, and concur with its finding that the project, overall, will cause no meaningful increase in traffic volumes or noise associated with those volumes. We therefore affirm the EA's determination that construction and operation of the proposed project (including construction and operation of Narragansett Electric's related nonjurisdictional project to upgrade its facilities to provide dedicated electric service to power the new liquefaction equipment) will not significantly increase traffic congestion.

81. Some commenters are concerned that the proposed project will result in additional trips by trucks transporting LNG to or from Fields Point. National Grid acknowledges that after its proposed facilities go into operation, it may elect to send out as many as 1,300 more trucks to transport LNG to LDCs to fill their storage facilities. However, National Grid explains that the LNG supplied from Fields Point "would be a one for one replacement for some of the existing truck deliveries from Everett and Quebec;" i.e., the total number of truck trips in the region would not change, and because Fields Point is closer to the LDC's, the average miles per trip would decrease.[83] We note that adding liquefaction facilities would not alter the capacity of National Grid's LNG storage tank or customers' contract storage volumes, but would, in part, reverse the flow of LNG by truck. Instead of trucks carrying LNG to the storage tank and departing empty, once customers can displace deliveries by truck with deliveries by pipeline, trucks can arrive empty and be filled from the tank. We affirm the conclusion in the EA that operation of

[80] National Grid's Application, Resource Report 5, sections 5.4, 5.7.2, and 5.9.2.4, and Resource Report 10, Table 10.1-1.

[81] EA at p. 39.

[82] National Grid's Answer to Comments on the EA at pp. 5-9.

[83] *Id.* p. 7.

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the Fields Point LNG facility, if modified as proposed, "would not meaningfully change the number of truck trips to and from the Project area."[84]

12. Visual Impacts

82. The Environmental Justice League comments that the project facilities, including vapor fencing, may result in visual impacts on nearby Southside and Washington Park residents. As discussed in the EA and illustrated in figure 2.8.6-2, the 32-foot-high vapor barrier is in close proximity to the existing LNG tank. Therefore, the tallest portion of this vapor barrier will be well within the existing facility's premises and juxtaposed with the much taller LNG tank, and thus will not add appreciably to the facility's visual impact on these communities. Although the 8-foot-high and 12-foot-high portions of the vapor barrier may be visible to some Southside and Washington Park residents, as stated in the EA, "to the degree that the new liquefaction facilities are visible, their appearance would be generally consistent with the industrial character of the existing site and surrounding properties."[85] We affirm the EA's conclusion that the proposed facilities will not result in significant adverse visual impacts.

[84] EA at p. 138. *See also* EA section 2.5.4.2 at p. 39. Note that transportation of hazardous materials by truck must comply with federal, state, and local laws, ordinances, and regulations. The federal requirements for the transportation of hazardous materials by truck are the DOT regulations in 49 C.F.R. pts. 100-199 and 300-399. Within DOT, PHMSA and the Federal Motor Carrier Safety Administration (FMCSA) are charged with administering the safety aspects of hazardous materials transported by truck. PHMSA establishes requirements for packaging, labeling, emergency response, and security for the domestic transportation of hazardous materials. PHMSA's Emergency Response Guidebook is often used by fire fighters, police, and other emergency service personnel who may be the first to arrive at the scene of a transportation incident involving hazardous materials. FMCSA establishes driver licensing and qualification requirements and standards for routing either by the motor carrier or by a state. Truck routing is governed by 49 C.F.R. § 397 and the state. All trucks carrying LNG or other hazardous materials to or from Fields Point will be required to adhere to the above-described safety standards. We have considered transportation of LNG by trucks in other proceedings, and are satisfied these standards are sufficient to ensure public safety and security. *See, e.g., Elba Liquefaction Company, L.L.C,* 155 FERC ¶ 61,219, *order on reh'g,* 157 FERC ¶ 61,195 (2016).

[85] EA at pp. 35-36.

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13. State Agencies' Procedures and Actions

83. Some commenters question the actions of RIDEM and CRMC, and suggest the Commission use its own environmental review process as a forum to remedy what the commenters perceive to be flaws in these state agencies' procedures. Concerns regarding state agencies' procedures are appropriately directed to state authorities, as our authority does not extend to assessing or enforcing state agencies' compliance with their own procedural provisions. RIDEM and CRMC were cooperating agencies in preparing the EA. RIDEM has federally delegated authority to provide the Water Quality Certification required under section 401 of the Clean Water Act,[86] and CRMC has federally delegated authority to determine whether the proposal is consistent with Rhode Island's coastal management plan under section 307 of the Coastal Zone Management Act.[87] National Grid's proposed project cannot go forward unless both state agencies act under delegated authority to issue necessary federal approvals. We advise National Grid, as we routinely advise all applicants, to work with state agencies and comply with their procedures and obligations, provided they are consistent with federal requirements and would not unreasonably delay the construction or operation of the proposed project.[88]

E. Conclusions

84. Based on the analysis in the EA, as supplemented herein, we conclude that if constructed and operated in accordance with National Grid's application and supplements, and in compliance with the environmental conditions in the appendix to this order, our approval of this proposal would not constitute a major federal action significantly affecting the quality of the human environment. Compliance with the environmental conditions appended to our orders is integral to ensuring that the environmental impacts of approved projects are consistent with those anticipated by our

[86] 33 U.S.C. § 1251 *et seq*. (2012).

[87] *See supra* n. 41.

[88] State regulation would be preempted to the extent it interferes or conflicts with federal authority. In a January 17, 2017 letter to RIDEM, Commission staff observed that preemption could apply to the Rhode Island Industrial Property Remediation and Reuse Act (R.I. Gen. Laws § 23-19.14-1 *et seq.*), the Remediation Regulations promulgated thereunder, and the Public Involvement Plan if these state provisions were to interfere or conflict with the Commission's regulatory authority. We reiterate that objections to how state agencies are implementing state laws – e.g., RIDEM's enforcement of state mandates regarding remediation – are appropriately directed to state agencies, as this federal proceeding is not the proper forum to address compliance with state laws.

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environmental analyses. Thus, Commission staff carefully reviews all information submitted. Commission staff will only issue a notice to proceed with an activity when satisfied that the project sponsor has complied with all applicable conditions. We also note that the Commission has the authority to take whatever steps are necessary to ensure the protection of environmental resources during construction and operation of the project, including authority to impose any additional measures deemed necessary to ensure continued compliance with the intent of the conditions of the order, as well as the avoidance or mitigation of unforeseen adverse environmental impacts resulting from project construction and operation.

85. Any state or local permits issued with respect to the jurisdictional facilities authorized herein must be consistent with the conditions of this certificate. The Commission encourages cooperation between natural gas companies and local authorities. However, this does not mean that state and local agencies, through application of state or local laws, may prohibit or unreasonably delay the construction or operation of facilities approved by this Commission.[89]

86. The Commission on its own motion received and made a part of the record in this proceeding all evidence, including the application, and exhibits thereto, and comments, and upon consideration of the record,

The Commission orders:

(A) A certificate of public convenience and necessity is issued to National Grid, authorizing it to construct and operate the proposed facilities, as described and conditioned herein, and as more fully described in the application.

(B) The certificate authority issued in Ordering Paragraph (A) is conditioned on National Grid's:

(1) Completion of construction of the proposed facilities and making them available for service within three years of the date of this order pursuant to section 157.20(b) of the Commission's regulations;

[89] *See* 15 U.S.C. § 717r(d) (2012) (state or federal agency's failure to act on a permit considered to be inconsistent with Federal law); *see also Schneidewind v. ANR Pipeline Co.*, 485 U.S. 293, 310 (1988) (state regulation that interferes with FERC's regulatory authority over the transportation of natural gas is preempted); *Dominion Transmission, Inc. v. Summers*, 723 F.3d 238, 245 (D.C. Cir. 2013) (noting that state and local regulation is preempted by the NGA to the extent it conflicts with federal regulation, or would delay the construction and operation of facilities approved by the Commission).

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(2) Compliance with all applicable Commission regulations under the NGA including, but not limited to, Parts 154, 157, and 284, and paragraphs (a), (c), (e), and (f) of section 157.20 of the Commission's regulations;

(3) Compliance with the environmental conditions listed in the appendix to this order; and

(4) Filing written statements affirming that it has executed firm service agreements for volumes and service terms equivalent to those in its precedent agreement, prior to commencing construction.

(C) National Grid's proposed initial rates and the language contained in its pro forma tariff records are approved, as modified in this order. National Grid must make a tariff filing at least 60 days prior to commencement of service to place the rates and tariff records approved herein into effect.

(D) National Grid shall keep separate books and accounts of costs attributable to the proposed incremental services, as described above.

(E) National Grid shall notify the Commission's environmental staff by telephone or e-mail of any environmental noncompliance identified by other federal, state, or local agencies on the same day that such agency notifies National Grid. National Grid shall file written confirmation of such notification with the Secretary of the Commission within 24 hours.

By the Commission. Commissioners Glick and LaFleur are concurring with a joint separate statement attached.

(S E A L)

Nathaniel J. Davis, Sr.,
Deputy Secretary.

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Appendix

Environmental Conditions

As recommended in the environmental assessment (EA) and modified herein, this authorization includes the following conditions:

1. National Grid shall follow the construction procedures and mitigation measures described in its application, supplemental filings (including responses to staff data requests), and as identified in the EA, unless modified by the order. National Grid must:

    a. request any modification to these procedures, measures, or conditions in a filing with the Secretary of the Commission (Secretary);
    b. justify each modification relative to site-specific conditions;
    c. explain how that modification provides an equal or greater level of environmental protection than the original measure; and
    d. receive approval in writing from the Director of the Office of Energy Projects (OEP) before using that modification.

2. The Director of OEP, or the Director's designee, has delegated authority to address any requests for approvals or authorizations necessary to carry out the conditions of the order, and take whatever steps are necessary to ensure the protection of life, health, property, and the environment during construction and operation of the project. This authority shall allow:

    a. the modification of conditions of the order;

    b. stop-work authority and authority to cease operation; and

    c. the imposition of any additional measures deemed necessary to ensure continued compliance with the intent of the conditions of the order as well as the avoidance or mitigation of unforeseen adverse environmental impact resulting from project construction and operation.

3. **Prior to any construction**, National Grid shall file an affirmative statement with the Secretary, certified by a senior company official, that all company personnel, environmental inspectors (EI), and contractor personnel will be informed of the EI's authority and have been or will be trained on the implementation of the environmental mitigation measures appropriate to their jobs **before** becoming involved with construction and restoration activities.

4. The authorized facility locations shall be as shown in the EA, as supplemented by filed maps and diagrams. **As soon as they are available, and before the start of**

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construction, National Grid shall file with the Secretary any revised maps or diagrams for all facilities approved by the order. All requests for modifications of environmental conditions of the order or site-specific clearances must be written and must reference locations designated on these maps/diagrams.

5. National Grid shall file with the Secretary detailed maps/diagrams and aerial photographs at a scale not smaller than 1:6,000 identifying any facility relocations, and staging areas, storage yards, access roads, and other areas that would be used or disturbed and have not been previously identified in filings with the Secretary. Approval for each of these areas must be explicitly requested in writing. For each area, the request must include a description of the existing land use/cover type, documentation of landowner approval, whether any cultural resources or federally listed threatened or endangered species would be affected, and whether any other environmentally sensitive areas are within or abutting the area. All areas shall be clearly identified on the maps/diagrams/aerial photographs. Each area must be approved in writing by the Director of OEP **before construction in or near that area**.

6. **Within 60 days of the acceptance of the Certificate and before construction begins**, National Grid shall file an Implementation Plan for the project for review and written approval by the Director of OEP. National Grid must file revisions to the plan as schedules change. The plan shall identify:

   a. how National Grid will implement the construction procedures and mitigation measures described in its application and supplements (including responses to staff data requests), identified in the EA, and required by the order;
   b. how National Grid will incorporate these requirements into the contract bid documents, construction contracts (especially penalty clauses and specifications), and construction drawings so that the mitigation required at each site is clear to on-site construction and inspection personnel;
   c. how the company will ensure that sufficient personnel are available to implement the environmental mitigation;
   d. company personnel, including EIs and contractors, who will receive copies of the appropriate material;
   e. the location and dates of the environmental compliance training and instructions National Grid will give to all personnel involved with construction and restoration (initial and refresher training as the project progresses and personnel change);
   f. the company personnel (if known) and specific portion of National Grid‘s organization having responsibility for compliance;
   g. the procedures (including use of contract penalties) National Grid will follow if noncompliance occurs; and

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h. for each discrete facility, a Gantt or Program Evaluation and Review Technique chart (or similar project scheduling diagram), and dates for:
   (1) the completion of all required surveys and reports;
   (2) the environmental compliance training of on-site personnel;
   (3) the start of construction; and
   (4) the start and completion of restoration.

7. National Grid shall employ at least one EI. The EI shall be:

   a. responsible for monitoring and ensuring compliance with all mitigation measures required by the order and other grants, permits, certificates, or other authorizing documents;
   b. responsible for evaluating the construction contractor's implementation of the environmental mitigation measures required in the contract (see condition 6 above) and any other authorizing document;
   c. empowered to order correction of acts that violate the environmental conditions of the order, and any other authorizing document;
   d. a full-time position, separate from all other activity inspectors;
   e. responsible for documenting compliance with the environmental conditions of the order, as well as any environmental conditions/permit requirements imposed by other federal, state, or local agencies; and
   f. responsible for maintaining status reports.

8. Beginning with the filing of its Implementation Plan, National Grid shall file updated status reports with the Secretary on a **monthly** basis until all construction and restoration activities are complete. Problems of a significant magnitude shall be reported to the FERC **within 24 hours.** On request, these status reports will also be provided to other federal and state agencies with permitting responsibilities. Status reports shall include:

   a. an update on National Grid's efforts to obtain the necessary federal authorizations;
   b. project schedule, including current construction status of the project and work planned for the following reporting period;
   c. a listing of all problems encountered, contractor nonconformance/ deficiency logs, and each instance of noncompliance observed by the EI during the reporting period (both for the conditions imposed by the Commission and any environmental conditions/permit requirements imposed by other federal, state, or local agencies);
   d. a description of the corrective and remedial actions implemented in response to all instances of noncompliance, nonconformance, or deficiency;
   e. the effectiveness of all corrective and remedial actions implemented;
   f. a description of any landowner/resident complaints which may relate to

compliance with the requirements of the order, and the measures taken to satisfy their concerns; and

g. copies of any correspondence received by National Grid from other federal, state, or local permitting agencies concerning instances of noncompliance, and National Grid's response.

9. National Grid shall employ a special inspector during construction, and a copy of the special inspector's reports shall be included in the **monthly** status reports filed with the Secretary (see condition 8 above). The special inspector shall be responsible for:

a. observing the construction of the liquefaction facility to be certain it conforms to the design drawings and specifications;
b. furnishing inspection reports to the engineer- or architect- of-record and other designated persons. All discrepancies shall be brought to the immediate attention of the contractor for correction, and then if uncorrected, to the engineer- or architect- of-record; and
c. submitting a final signed report stating whether the work requiring special inspection was, to the best of his/her knowledge, in conformance with the approved plans and specifications and the applicable workmanship provisions.

10. National Grid must receive written authorization from the Director of OEP **before commencing construction of any project facilities**. To obtain such authorization, National Grid must file with the Secretary documentation that it has received all applicable authorizations required under federal law (or evidence of waiver thereof).

11. **Prior to construction of the final design**, National Grid shall file with the Secretary the following information, stamped and sealed by the professional engineer-of-record, registered in Rhode Island:

a. quality assurance and quality control procedures to be used for civil/structural design and construction;
b. site preparation drawing and specifications;
c. pile installation drawings and specifications;
d. seismic specifications for procured equipment prior to the issuing of requests for quotations;
e. liquefied natural gas (LNG) facility structures and foundation design drawings and calculations (including prefabricated and field-constructed structures); and
f. condition assessment evaluation of representative existing piles supporting pre-existing structural foundations.

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12. National Grid must receive written authorization from the Director of OEP **prior to introducing hazardous fluids into the project facilities**. Instrumentation and controls, hazard detection, hazard control, and security components/systems necessary for the safe introduction of such fluids shall be installed and functional.

13. **Prior to commencement of service**, National Grid shall file with the Secretary a surface maintenance plan for the perimeter berm, stamped and sealed by the professional engineer-of-record, registered in Rhode Island. The surface maintenance plan shall include procedures to ensure the crest elevation relative to mean sea level will be maintained for the life of the facility considering berm settlement, subsidence, and sea level rise.

14. National Grid must receive written authorization from the Director of OEP **before placing into service the liquefaction facility and other components of the project**. Such authorization will only be granted following a determination that the facilities have been constructed in accordance with FERC approval, can be expected to operate safely as designed, and the rehabilitation and restoration of areas affected by the project are proceeding satisfactorily.

15. **Within 30 days of placing the authorized facilities in service,** National Grid shall file an affirmative statement with the Secretary, certified by a senior company official:

    a. that the facilities have been constructed in compliance with all applicable conditions, and that continuing activities will be consistent with all applicable conditions; or
    b. which of the conditions in the order National Grid has complied with or will comply with. This statement shall also identify any areas affected by the project where compliance measures were not properly implemented, if not previously identified in filed status reports, and the reason for noncompliance.

16. National Grid shall file a full load noise survey with the Secretary **no later than 60 days** after placing the modified Fields Point LNG Facility in service. If a full load condition noise survey is not possible, National Grid shall provide an interim survey at the maximum possible operation and file the full load operational survey **within 6 months**. If the noise attributable to the operation of all of the equipment at the modified Fields Point LNG Facility, under interim or full load conditions, exceeds a day-night sound level of 55 decibels on the A-weighted scale at any nearby NSAs, National Grid shall file a report on what changes are needed and shall install the additional noise controls to meet the level **within 1 year** of the in-service date. National Grid shall confirm compliance with the above requirement by filing a second noise survey with the Secretary **no later than 60 days** after it installs the additional noise controls.

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17. **Prior to construction**, National Grid shall file with the Secretary for review and written approval by the Director of OEP, a plan that specifies how the stormwater collection and treatment system will be lined in order to reduce potential impacts on groundwater resources on site.

18. **Prior to construction**, National Grid shall file with the Secretary for review and written approval by the Director of OEP, an evaluation of how its impoundment rainwater removal systems in the existing Truck Loading Sump area will comply with both the Rhode Island Pollution Discharge Elimination System and Water Quality Regulations.

The following conditions shall apply to this project. Information pertaining to these specific conditions shall be filed with the Secretary for review and written approval by the Director of OEP, or the Director's designee, within the timeframe indicated by each condition. Specific engineering, vulnerability, or detailed design information meeting the criteria specified in Order No. 833 (Docket No. RM16-15-000), including security information, shall be submitted as critical energy infrastructure information pursuant to Title 18 Code of Federal Regulations Section 388.113 [18 C.F.R. § 388.113 (2018)]. See *Critical Electric Infrastructure Security and Amending Critical Energy Infrastructure Information*, Order No. 833, 81 Fed. Reg. 93,732 (Dec. 21, 2016), FERC Stats. & Regs. 31,389 (2016). Information pertaining to items such as offsite emergency response, procedures for public notification and evacuation, and construction and operating reporting requirements will be subject to public disclosure. All information shall be filed a <u>minimum of 30 days</u> before approval to proceed is requested.

19. **Prior to initial site preparation**, National Grid shall file an overall project schedule, which includes the proposed stages of the commissioning plan.

20. **Prior to initial site preparation**, National Grid shall file quality assurance and quality control procedures for construction activities.

21. **Prior to initial site preparation**, National Grid shall file procedures for controlling access during construction.

22. **Prior to construction of the final design,** National Grid shall specify the project fire protection systems and shutdown systems associated with the existing LNG storage tank and its isolation as Seismic Category I.

23. **Prior to construction of the final design**, National Grid shall file change logs that list and explain any changes made from the Front End Engineering Design provided in National Grid's application and filings. A list of all changes with an

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explanation for the design alteration shall be filed and all changes shall be clearly indicated on all diagrams and drawings.

24. **Prior to construction of the final design**, National Grid shall file information/revisions pertaining to National Grid's response numbers 8, 22, 33, 50, 54, 55, 64, and 67 of its September 16, 2017 filing; response numbers 9 and 114 of its September 23, 2016 filing; response number 71 of its September 26, 2016 filing; response numbers 1 and 13 of its May 12, 2017 filing; response number 2 of its June 23, 2017 filing; response numbers 11, 12, 15, and 17 of its October 30, 2017 filing; response numbers 1, 3, 6, 10, and 11 of its March 9, 2018 filing; response numbers 2, 4, 6, 8, and 10 of its April 16, 2018 filing; and response number 1 of its May 4, 2018 filing, which indicated features to be included or considered in the final design.

25. **Prior to construction of the final design**, National Grid shall file a plot plan of the final design showing all major equipment, structures, buildings, and impoundment systems.

26. **Prior to construction of the final design**, National Grid shall file an up-to-date complete equipment list, process and mechanical data sheets, and specifications.

27. **Prior to construction of the final design**, National Grid shall file three-dimensional plant drawings to confirm plant layout for maintenance, access, egress, and congestion.

28. **Prior to construction of the final design**, National Grid shall file up-to-date Process Flow Diagrams with heat and material balances and one complete set of Piping and Instrumentation Diagrams (P&IDs), which include the following information:

    a. equipment tag number, name, size, duty, capacity, and design conditions;
    b. equipment insulation type and thickness;
    c. valve high pressure side and internal and external vent locations;
    d. piping with line number, piping class specification, size, and insulation type and thickness;
    e. piping specification breaks and insulation limits;
    f. all control and manual valves numbered;
    g. relief valves with size and set points; and
    h. drawing revision number and date.

29. **Prior to construction of the final design**, National Grid shall file P&IDs, specifications, and procedures that clearly show and specify the tie-in details required to safely connect the project to the existing LNG facility.

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30. **Prior to construction of the final design**, National Grid shall file a car seal philosophy and a list of all car-sealed and locked valves consistent with the P&IDs.

31. **Prior to construction of the final design**, National Grid shall file a hazard and operability review of the completed design prior to issuing the P&IDs for construction. A list of recommendations resulting from its review and actions taken on the recommendations shall also be included.

32. **Prior to construction of the final design**, National Grid shall file the cause-and-effect matrices for the process instrumentation, fire and gas detection system, and emergency shutdown system. The cause-and-effect matrices shall include alarms and shutdown functions, details of the voting and shutdown logic, and set points.

33. **Prior to construction of the final design**, National Grid shall demonstrate that, for hazardous fluids, piping and piping nipples 2 inches or less in diameter are designed to withstand external loads, including vibrational loads in the vicinity of rotating equipment and operator live loads in areas accessible by operators.

34. **Prior to construction of the final design**, National Grid shall specify that piping specifications for stainless steel piping capable of operating at cryogenic temperatures shall require the inner and outer ring of spiral wound gaskets to be stainless steel.

35. **Prior to construction of the final design**, National Grid shall file the sizing basis and capacity for the final design of the vent stack as well as the pressure and vacuum relief valves for major process equipment, vessels, and storage tanks.

36. **Prior to construction of the final design**, National Grid shall file an updated vacuum relief analysis for the existing LNG tank that considers contingencies in accordance with National Fire Protection Association (NFPA) 59A, and demonstrates that the existing vacuum relief valves are sized to handle these considerations. The analysis shall evaluate the operation of all pumps operating at maximum capacity unless they interlocked or outfitted with a safety instrumented system with a safety integrity level of 2 that limits the operation or flow at or below existing levels.

37. **Prior to construction of the final design**, National Grid shall file electrical area classification drawings.

38. **Prior to construction of the final design**, National Grid shall file drawings and details of how process seals or isolations installed at the interface between a flammable fluid system and an electrical conduit or wiring system meet the requirements of NFPA 59A (2001 edition).

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39. **Prior to construction of the final design**, National Grid shall file details of an air gap or vent installed downstream of process seals or isolations installed at the interface between a flammable fluid system and an electrical conduit or wiring system. Each air gap shall vent to a safe location and be equipped with a leak detection device that shall continuously monitor for the presence of a flammable fluid, alarm the hazardous condition, and shut down the appropriate systems.

40. **Prior to construction of the final design**, National Grid shall provide a means to remove mercury as part of the design to limit concentrations to less than 0.01 micrograms per normal cubic meter or alternatively provide monitoring for mercury by means of an analyzer or preventative maintenance inspections of the heat exchangers and connections for a mercury removal package.

41. **Prior to construction of the final design**, National Grid shall include provisions in the facility plot plan for the possible future installment of a mercury removal system.

42. **Prior to construction of the final design**, National Grid shall file procedures and a method to monitor the LNG density from the liquefaction process facilities to the existing LNG storage tank to aide in the selection of top or bottom fill of the tank and to prevent tank rollover.

43. **Prior to construction of the final design**, National Grid shall file the procedures for pressure/leak tests which address the requirements of American Society of Mechanical Engineers (ASME) VIII and ASME B31.3, as required by 49 C.F.R. Part 193.

44. **Prior to construction of the final design**, National Grid shall file a plan for clean-out, dry-out, purging, and tightness testing. This plan shall address the requirements of the American Gas Association's Purging Principles and Practice required by 49 C.F.R. Part 193, and shall provide justification if National Grid is not using an inert or non-flammable gas for clean-out, dry-out, purging, and tightness testing.

45. **Prior to construction of the final design**, National Grid shall file an updated fire protection evaluation of the proposed facilities carried out in accordance with the requirements of NFPA 59A (2001 edition), Chapter 9.1.2 as required by 49 C.F.R. Part 193. A list of recommendations resulting from its evaluation, supporting justifications, and actions taken on the recommendations shall also be included.

46. **Prior to construction of the final design**, National Grid shall specify that all emergency shutdown valves are to be equipped with open and closed position switches connected to the Distributed Control System/Safety Instrumented System.

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47. **Prior to construction of the final design**, National Grid shall file a drawing showing the location of the emergency shutdown buttons. Emergency shutdown buttons shall be easily accessible, conspicuously labeled, and located in an area which will be accessible during an emergency.

48. **Prior to construction of the final design**, National Grid shall file spill containment system drawings with dimensions and slopes of curbing, trenches, impoundments, and capacity calculations considering any foundations and equipment within impoundments.

49. **Prior to construction of the final design**, National Grid shall file a revised spill conveyance and sump box design that will prevent spills from reaching the cold box and compander foundation.

50. **Prior to construction of the final design**, National Grid shall demonstrate how an LNG spill from the LNG liquefaction rundown line will be safely transferred from the elevated diversion tray to the grade-level liquefaction area trench system and also into the trench system to the existing LNG storage tank containment sump.

51. **Prior to construction of the final design**, National Grid shall file an evaluation of how its impoundment rainwater removal systems complies with 49 C.F.R. section 193.2173 with concurrence from the U.S. Department of Transportation's (DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA) or how it provides an equivalent level of safety with concurrence from PHMSA.

52. **Prior to construction of the final design**, National Grid shall file complete drawings and a list of the hazard detection equipment. The drawings shall clearly show the location and elevation of all detection equipment. The list shall include the instrument tag number, type and location, alarm indication locations, and shutdown functions of the hazard detection equipment. In addition, National Grid shall include in the final design oxygen sensors to be installed in the liquid nitrogen storage area.

53. **Prior to construction of the final design**, National Grid shall file a technical review of its proposed facility design that:

    a. identifies all combustion/ventilation air intake for equipment and buildings and the distances to any possible hazardous fluid release (LNG, flammable refrigerants, flammable liquids, and flammable gases); and
    b. demonstrates that these areas are adequately covered by hazard detection devices and indicates how these devices will isolate or shut down any combustion or ventilation equipment whose continued operation could add to or sustain an emergency.

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54. **Prior to construction of the final design**, National Grid shall file complete plan drawings and a list of the fixed and wheeled, dry-chemical, and hand-held fire extinguishers, and other hazard control equipment. Drawings shall clearly show the location by tag number of all fixed, wheeled, and hand-held extinguishers. The list shall include the equipment tag number, type, capacity, equipment covered, discharge rate, and automatic and manual remote signals initiating discharge of the units.

55. **Prior to construction of the final design**, National Grid shall file facility plans and drawings that show the location of the firewater and foam systems. Plan drawings shall clearly show the planned location of firewater and foam piping, post indicator valves, and the location and area covered by, each monitor, hydrant, hose, water curtain, deluge system, foam system, water-mist system, and sprinkler. The drawings shall also include piping and instrumentation diagrams of the firewater and foam system.

56. **Prior to construction of the final design**, National Grid shall specify that the firewater flow test meter is equipped with a transmitter and that a pressure transmitter is installed upstream of the flow transmitter. The flow transmitter and pressure transmitter shall be connected to the Distributed Control System and recorded. The firewater main header pressure transmitter shall also be connected to the Distributed Control System and recorded.

57. **Prior to construction of the final design**, National Grid shall specify that it will install a minimum of two firewater jockey pumps.

58. **Prior to construction of the final design**, National Grid shall certify that the final design is consistent with the information provided to the DOT as described in the design spill determination letter dated June 28, 2017 (Accession Number 20170628-4002). In the event that any modification to the design alters the candidate design spills on which the 49 C.F.R. Part 193 siting analysis was based, National Grid shall consult with the DOT on any actions necessary to comply with Part 193.

59. **Prior to construction of the final design**, National Grid shall file the final design details of the pipe shrouding that demonstrates how the shroud design accounts the mechanical forces from a release at maximum pressures and thermal stresses and shock from sudden cryogenic temperatures of a LNG release. In addition, the final design shall consider the installation of the pipe shrouding to ensure that operation and maintenance of equipment and valves is not impacted.

60. **Prior to construction of the final design**, National Grid shall file procedures to maintain and inspect the vapor barriers provided to meet the siting provisions of 49 C.F.R. section 193.2059.

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61. **Prior to commissioning**, National Grid shall file an updated emergency procedures to include the project facilities as well as instructions to handle onsite emergencies related to the hazardous project fluids.

62. **Prior to commissioning**, National Grid shall file a detailed schedule for commissioning through equipment startup. The schedule shall include milestones for all procedures and tests to be completed prior to introduction of hazardous fluids and during commissioning and startup. National Grid shall file documentation certifying that each of these milestones has been completed before issuance of any authorization by the Director of OEP to commence the next phase of commissioning and startup.

63. **Prior to commissioning**, National Grid shall file plans and detailed procedures for testing the integrity of onsite mechanical installation, functional tests, introduction of hazardous fluids, operational tests, and placing the equipment into service.

64. **Prior to commissioning**, National Grid shall tag all equipment, instrumentation, and valves in the field, including drain valves, vent valves, main valves, and car-sealed or locked valves.

65. **Prior to commissioning**, National Grid shall file a tabulated list and drawings of the proposed hand-held fire extinguishers. The list shall include the equipment tag number, extinguishing agent type, capacity, number, and location. The drawings shall show the extinguishing agent type, capacity, and tag number of all hand-held fire extinguishers.

66. **Prior to commissioning**, National Grid shall file updates, addressing the project facilities, in the existing operation and maintenance procedures and manuals, as well as safety procedures.

67. **Prior to commissioning**, National Grid shall provide a detailed training log that demonstrates all operating staff has completed required training.

68. **Prior to introduction of hazardous fluids**, National Grid shall file an evaluation on the snow volume allowance criteria for impoundments that demonstrates National Grid's assertion that a potential LNG spill would sink beneath the snow or provide snow removal procedures that include the new LNG Pump Loading Skid Sub-Containment Sump or include an adequate snow volume allowance with quantitative justification.

69. **Prior to introduction of hazardous fluids**, National Grid shall complete all pertinent tests (Factory Acceptance Tests, Site Acceptance Tests, Site Integration Tests) associated with the Distributed Control System and the Safety Instrumented System that demonstrates full functionality and operability of the system.

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70. **Prior to introduction of hazardous fluids**, National Grid shall complete a firewater pump acceptance test and firewater monitor and hydrant coverage test. The actual coverage area from each monitor and hydrant shall be shown on facility plot plan(s).

71. **Prior to LNG production**, National Grid shall receive written authorization from the Director of OEP. After producing LNG, National Grid shall file weekly reports on the commissioning of the proposed systems that detail the progress toward demonstrating the facilities can safely and reliably operate at or near the design production rate. The reports shall include a summary of activities, problems encountered, and remedial actions taken. The weekly reports shall also include the latest commissioning schedule, including projected and actual LNG production by liquefaction train, LNG storage inventories in the storage tank, and anticipated and actual sendout volumes. Further, the weekly reports shall include a status and list of all planned and completed safety and reliability tests, work authorizations, and punch list items. Problems of significant magnitude shall be reported to the FERC **within 24 hours**.

72. **Prior to commencement of service**, National Grid shall update procedures for offsite contractors' responsibilities, restrictions, and limitations and for supervision of these contractors by National Grid staff.

73. **Prior to commencement of service**, National Grid shall label piping with fluid service and direction of flow in the field, in addition to the pipe labeling requirements of NFPA 59A (2001 edition).

74. **Prior to commencement of service**, National Grid shall notify the FERC staff of any proposed revisions to the security plan and physical security of the plant.

The following measures shall apply **throughout the life** of the project facilities:

75. The facilities shall be subject to regular FERC staff technical reviews and site inspections on at least a **biennial** basis or more frequently as circumstances indicate. Prior to each FERC staff technical review and site inspection, National Grid shall respond to a specific data request, including information relating to possible design and operating conditions that may have been imposed by other agencies or organizations. Up-to-date detailed piping and instrumentation diagrams reflecting facility modifications and provision of other pertinent information not included in the semi-annual reports described below, including facility events that have taken place since the previously submitted semi-annual report, shall be submitted.

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76. National Grid shall report any design modifications and operating problems for the project facilities in the **semi-annual** operational reports filed with the Secretary for the facility.

77. **Semi-annual** operational reports shall be filed with the Secretary to identify changes in facility design and operating conditions; abnormal operating experiences; activities (e.g., liquefied and vaporized quantities, boil off/flash gas, number and volume of trucking, etc.); and plant modifications, including future plans and progress thereof. Abnormalities shall include, but not be limited to, potential hazardous conditions from offsite vessels, storage tank stratification or rollover, geysering, storage tank pressure excursions, cold spots on the storage tanks, storage tank vibrations and/or vibrations in associated cryogenic piping, storage tank settlement, significant equipment or instrumentation malfunctions or failures, non-scheduled maintenance or repair (and reasons therefore), relative movement of storage tank inner vessels, hazardous fluids releases, fires involving hazardous fluids and/or from other sources, negative pressure (vacuum) within a storage tank, and higher than predicted boil off rates. Adverse weather conditions and the effect on the facility also shall be reported. Reports shall be submitted **within 45 days after each period ending June 30 and December 31**. In addition to the above items, a section entitled "Significant Plant Modifications Proposed for the Next 12 Months (dates)" shall be included in the semi-annual operational reports. Such information will provide the FERC staff with early notice of anticipated future construction/maintenance at the LNG facilities.

78. The plant's incident reporting requirements shall be updated to the following: significant non-scheduled events, including safety-related incidents (e.g., LNG, heavier hydrocarbons, refrigerant, or natural gas releases, fires, explosions, mechanical failures, unusual over pressurization, and major injuries) and security-related incidents (e.g., attempts to enter site, suspicious activities) shall be reported to FERC staff. In the event an abnormality is of significant magnitude to threaten public or employee safety, cause significant property damage, or interrupt service, notification shall be made **immediately**, without unduly interfering with any necessary or appropriate emergency repair, alarm, or other emergency procedure. In all instances, notification shall be made to FERC staff **within 24 hours**. This notification practice shall be incorporated into the LNG facility's emergency plan. Examples of reportable hazardous fluids related incidents include:

    a. fire;
    b. explosion;
    c. estimated property damage of $50,000 or more;
    d. death or personal injury necessitating in-patient hospitalization;
    e. release of hazardous fluids for five minutes or more;
    f. unintended movement or abnormal loading by environmental causes, such

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as an earthquake, landslide, or flood, that impairs the serviceability, structural integrity, or reliability of an LNG facility that contains, controls, or processes hazardous fluids;

g. any crack or other material defect that impairs the structural integrity or reliability of an LNG facility that contains, controls, or processes hazardous fluids;

h. any malfunction or operating error that causes the pressure of a pipeline or LNG facility that contains or processes hazardous fluids to rise above its maximum allowable operating pressure (or working pressure for LNG facilities) plus the build-up allowed for operation of pressure limiting or control devices;

i. a leak in an LNG facility that contains or processes hazardous fluids that constitutes an emergency;

j. inner tank leakage, ineffective insulation, or frost heave that impairs the structural integrity of an LNG storage tank;

k. any safety-related condition that could lead to an imminent hazard and cause (either directly or indirectly by remedial action of the operator), for purposes other than abandonment, a 20 percent reduction in operating pressure or shutdown of operation of a pipeline or an LNG facility that contains or processes hazardous fluids;

l. safety-related incidents to hazardous fluids transportation occurring at or en route to and from the LNG facility; or

m. an event that is significant in the judgment of the operator and/or management even though it did not meet the above criteria or the guidelines set forth in an LNG facility's incident management plan.

In the event of an incident, the Director of OEP has delegated authority to take whatever steps are necessary to ensure operational reliability and to protect human life, health, property or the environment, including authority to direct the LNG facility to cease operations. Following the initial company notification, FERC staff will determine the need for a separate follow-up report or follow-up in the upcoming semi-annual operational report. All company follow-up reports shall include investigation results and recommendations to minimize a reoccurrence of the incident.

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UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

National Grid LNG LLC Docket No. CP16-121-000

(Issued October 17, 2018)

GLICK, Commissioner, and LaFLEUR, Commissioner, *concurring*:

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We concur in the Commission's decision to grant National Grid LNG LLC authorization to add liquefaction facilities at its existing Fields Points liquefied natural gas storage facility under section 7 of the Natural Gas Act.[1] We write separately to highlight the need to evaluate the significance of all environmental effects under the National Environmental Policy Act, including greenhouses gas (GHG) emissions. We agree with today's finding that the liquefaction facility will not have a significant effect on the environment,[2] particularly given the limited GHG emissions associated with the project.[3] However, we disagree with the language in the Environmental Assessment that dismisses the Social Cost of Carbon as a useful tool to inform the environmental review, stating the Social Cost of Carbon method "cannot meaningfully inform the Commission's decision whether and how to authorize a proposed project under the NGA."[4] We believe the Social Cost of Carbon provides a meaningful and informative approach for an agency to consider how its actions contribute to the harm caused by climate change.[5] By translating the long-term damage done by a ton of carbon dioxide into monetary value, the Social Cost of Carbon offers a method for linking GHG emissions to particular climate impacts, helping satisfy our obligation to consider how the Commission's actions contribute to the harm caused by climate change.

For these reasons, we respectfully concur.

Richard Glick Commissioner	Cheryl A. LaFleur Commissioner

[1] 15 U.S.C. § 717f (2012).

[2] *National Grid LNG LLC,* 165 FERC ¶ 61,031 at P 84 (2018); Environmental Assessment at 147 (EA).

[3] EA at 142.

[4] *Id.*

[5] *See Florida Southeast Connection, LLC*, 164 FERC ¶ 61,099 (2018) (LaFleur & Glick, Comm'rs, dissenting).

Document Content(s)

CP16-121-000.DOCX.....1-51

RIPDES Permit No. RIR1#####

AUTHORIZATION TO DISCHARGE UNDER THE
RHODE ISLAND POLLUTANT DISCHARGE ELIMINATION SYSTEM

GENERAL PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY

In compliance with the provisions of Chapter 46-12 of the Rhode Island general Laws, as amended, except as provided in Part I.B.3 of the permit, operators of stormwater discharges associated with construction activity located in the State of Rhode Island are authorized to discharge in accordance with the conditions and requirements set forth herein.

Operators of stormwater discharges associated with construction activity within Rhode Island who intend to be authorized by this general permit must meet the application requirements outlined in Part I.D.1 of the permit. Authorization to discharge shall be granted in accordance with Part I.D of this permit.

This general permit shall become effective on September 26, 2018.

The general permit and the authorization to discharge expire at midnight, two years from the effective date, or September 25, 2020.

Signed this 26TH day of September, 2018.

Eric A Beck, PE, Chief
Groundwater and Wetlands Protection
Office of Water Resources
Rhode Island Department of Environmental Management
Providence, Rhode Island

General Permit
Rhode Island Pollutant Discharge Elimination System
Stormwater Discharge Associated with Construction Activity

Effective Date: September 26, 2018

Valid ONLY in accordance with Part I.D.

Expiration Date: September 25, 2020

Rhode Island Department of Environmental Management
Office of Water Resources
RIPDES Program

GENERAL PERMIT
RHODE ISLAND POLLUTANT DISCHARGE ELIMINATION SYSTEM
STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY

PLEASE READ THIS PERMIT CAREFULLY!

The RIPDES Program of the Office of Water Resources realizes that effective regulatory mechanisms to control erosion and sedimentation are currently required by the RIDEM Freshwater Wetland Program, the RIDEM Water Quality Certification Program, the RIDEM UIC/Groundwater Discharge Permit Program, the RI Coastal Resources Management Council (CRMC); and in those towns/cities which have a Qualifying Local Program (QLP) that has been formally approved by the Department (see RIPDES Rule 15.01(i) for the definition of Qualifying State, or Local Programs). **Regardless of the means of obtaining approval, the permittee is still responsible for complying with all terms and conditions of this permit and any other applicable State, local and/or federal regulations. The Department will be held harmless for any failure of the permittee to comply with this permit.**

I. GENERAL COVERAGE UNDER THIS PERMIT

A. Permit Area. This permit applies to all areas of the State of Rhode Island.

B. Eligibility

1. Allowable Stormwater Discharges. Subject to compliance with the terms and conditions of this permit, you are authorized to discharge the following:

(a) All new and existing stormwater discharges associated with construction, including, but not limited to, clearing, grading, excavation, and filling, where total land disturbance is equal to or greater than one (1) acres including construction activities involving soil disturbance`s of less than one (1) acre of disturbance if that construction is part of a larger common plan of development or sale that would disturb one (1) or more acre, and the discharge is composed entirely of stormwater. A discharge shall be considered composed entirely of stormwater if there is adequate access to sample the stormwater discharge covered under this permit prior to mixing with a discharge which is authorized and in compliance with an existing RIPDES permit or the discharge is listed in Part I.B.2. below.

(b) Stormwater Discharges from support activities (e.g., concrete or asphalt batch plants, equipment staging areas, material storage areas, excavated material disposal areas, borrow areas) provided:

(i) The support activity is directly related to the construction site required to have a RIPDES permit coverage for discharges of stormwater associated with construction activity; and

(ii) The support activity is not a commercial operation serving multiple unrelated construction projects by different operators, and does not operate beyond the completion of the construction at the last construction project it supports; and

(iii) Appropriate controls and measures are identified in a Soil Erosion and Sediment Control Plan covering the discharges from the support activity areas; and

(c) Discharges composed of allowable discharges listed in Part I.B.2 of this permit commingled with a discharge authorized by a different RIPDES permit and/or discharge that does not require a RIPDES permit authorization.

2. Allowable Non-Stormwater Discharges. Allowable non-stormwater discharges under this permit are limited to discharges from the following:

   (a) washing of vehicles provided chemicals, soaps, detergents, steam, or heated water are not used; cleaning is restricted to the outside of the vehicle (e.g., no engines, transmissions, undercarriages, or truck beds); or washing is not used to remove accumulated industrial materials, paint residues, heavy metals or any other potentially hazardous materials from surfaces;

   (b) the use of water to control dust;

   (c) fire fighting activities;

   (d) fire hydrant flushings;

   (e) natural springs; uncontaminated groundwater;

   (f) lawn watering;

   (g) potable water sources including waterline flushings; irrigation drainage;

   (h) pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled materials have been removed) and where detergents are not used;

   (i) foundation or footing drains where flows are not contaminated with process materials such as solvents or contaminated by contact with soils where spills or leaks of toxic or hazardous materials has occurred.

   If any of these discharges may reasonably be expected to be present and to be mixed with stormwater discharges, they must be specifically identified in the site's Soil Erosion and Sediment Control Plan as described in Part III of this permit.

3. Limitations of Coverage. The following discharges associated with construction are not authorized by this permit.

   (a) Stormwater discharges associated with construction that the Director of the Department of Environmental Management has found to be or may reasonably be expected to be contributing to a violation of water quality standards, or to be a significant contributor of pollutants;

   (b) Stormwater discharges associated with construction, allowable non-stormwater discharges and discharge related activities that adversely affect a listed, or a proposed to be listed, endangered or threatened species or its critical habitat;

   (c) Stormwater associated with construction discharging into any water for which a Total Maximum Daily Load (TMDL) has been either established or approved by the EPA or other water quality determination unless the Stormwater Management Plan incorporates measures or controls that meet the requirements of this permit and are consistent with the assumptions and requirements of the TMDL and Minimum Standard 3: Water Quality of the RIDISM or the project was authorized and has maintained coverage under the 2013 permit (e.g. a RIPDES or a RIDEM Freshwater Wetlands Permit, RIDEM Water Quality Certification, RIDEM UIC/Groundwater Discharge Permit, CRMC Assent or QLP approval remains in effect). If the EPA approved or established TMDL or other water quality determination specifically prohibits the discharges, the discharges are not eligible for coverage under this permit.

(d) Stormwater associated with construction discharging into any Impaired water listed on the latest State of Rhode Island 303(d) List of Impaired Waters, unless the Stormwater Management Plan incorporates measures or controls that meet the requirements of this permit and address the pollutant(s) of concern as required by Standard 3: Water Quality of the RISDISM or if the project was authorized and has maintained coverage under the 2013 permit (e.g. a RIPDES or a RIDEM Freshwater Wetlands Permit, RIDEM Water Quality Certification, RIDEM UIC/Groundwater Discharge Permit, CRMC Assent or QLP approval remains in effect).

(e) Post-construction discharges that originate from the site after construction activities have been completed and the site has achieved final stabilization, including any temporary support activity. Post-construction stormwater from industrial sites may need to be covered by a separate RIPDES individual permit or may need to obtain authorization to discharge under the RIPDES Multi-Sector General Permit for Stormwater Discharge Associated with Industrial Activity. Guidance for managing discharges from industrial sites can be found in Part II.C of this permit.

C. Definition of "Owner" & "Operator":

1. For the purposes of this permit, the "owner" of a property is the person, as defined by Rule 3 of the RIPDES Regulations, holding the title, deed, or legal document to the regulated property, facility, or activity, including a party working under an easement on the property.

2. The "operator" is defined as the person who has operational control over plans and specifications, or the person who has day-to-day supervision and control of activities occurring at the site. Further, for purposes of this permit, the operator is the owner if that person is performing all work related to complying with this permit.

   Where a new operator is selected after the submittal of an NOI and that new operator is directly responsible for performing the work necessary to comply with this permit, prior to performing any work at the site the new operator must sign and certify within the Soil Erosion and Sediment Control Plan document that they are the operator of the site as defined above.

D. Authorization. To be covered under this general permit, owners or operators of stormwater discharges associated with construction activities that disturb one (1) or more acres or less than one (1) acre if that construction is part of a larger common plan of development or sale that would disturb one (1) or more acre, must comply with the applicable sections below.

1. Application Requirements

(a) Sites Previously Authorized under the 2013 Construction Activity General Permit are not required to reapply to maintain authorization.

(b) New Applications – Submittal of an NOI is only required for construction activities that disturb greater than one (1) acre that are not required to obtain a RIDEM Freshwater Wetlands Permit, RIDEM Water Quality Certification, RIDEM UIC/Groundwater Discharge Permit, CRMC Assent or QLP approval. Specific application requirements are as follows:

(i) Construction activities that disturb an area equal to or greater than five (5) acres are required to submit a complete NOI form and supporting documentation required in Part IV of this permit.

(ii) Construction activities that disturb an area equal to or greater than one (1) acre and less than five (5) acres are required to submit a complete NOI form, project narrative and site plan/map showing flow paths, discharges, and receiving waters.

2. Deadlines for Requesting Authorization

   (a) For stormwater discharges associated with construction activities which were authorized under the 2013 Construction Activity General Permit which are expected to continue beyond the effective date of this permit, the owner is not required to reapply, to maintain permit coverage in accordance with Part I.D.3 of this permit.

   (b) For stormwater discharges associated with construction activities which commence after the effective date of this permit, and are required to submit an NOI in accordance with Part I.D.1.b of this permit, an NOI must be submitted at least thirty (30) days prior to the commencement of land disturbing activities.

3. Granting of Authorization

   (a) Owners and operators previously authorized under the 2013 Construction Activity General Permit with an active RIDEM Freshwater Wetlands Permit, RIDEM Water Quality Certification, RIDEM UIC/Groundwater Discharge Permit, CRMC Assent or QLP approval will be authorized upon the effective date of this permit.

   (b) Owners and operators previously authorized under the 2013 Construction Activity General Permit will be authorized upon the effective date of this permit.

   (c) Construction activities that disturb an area equal to or greater than one (1) acre that are required to obtain a RIDEM Freshwater Wetlands permit, RIDEM Water Quality Certification, RIDEM UIC/Groundwater Discharge Permit, CRMC Assent or QLP approval are authorized to discharge stormwater from construction activities under the terms and conditions of this permit upon receipt of all of the applicable permits listed here.

   (d) For construction activities that disturb an area equal to or greater than five (5) acres and are not required to obtain one of the approvals listed above in Part I.D.3.c, authorization to discharge will only be granted upon notification from the Director after review of the NOI and Stormwater Management Plan.

   (e) For construction activities that disturb an area equal to or greater than one (1) acre and less than five (5) acres and are not required to obtain one of the approvals listed in Part I.D.3.c automatic authorization to discharge will be granted upon receipt of the information required in Part I.D.1.b.ii unless notified to the contrary by the Director.

E. Termination of Coverage. Upon achieving final site stabilization, owners and operators of stormwater discharges associated with construction must submit to the DEM a completed Notice of Termination (NOT). At a minimum, the following information is required to terminate coverage under this permit:

1. The owner's name, mailing address, email address, and telephone number,
2. The operator's name, mailing address, email address, and telephone number,
3. The name and location of the facility,
4. The RIPDES Construction General Permit authorization number,
5. A signed certification by the owner and operator that the stormwater discharge associated with construction activity no longer exists at the site.

Upon DEM receipt of the completed NOT coverage under this permit is terminated.

F. Failure to Notify. Owners or operators who fail to notify the Director of their intent to be covered under a general permit, and discharge pollutants to the waters of the State or to a separate storm sewer system without

a RIPDES permit, are in violation of Chapter 46-12 of Rhode Island General Laws and the Clean Water Act (CWA).

II. PERMIT LIMITS AND CONDITIONS

To be covered under this permit you must develop a Stormwater Management Plan prior to submitting your NOI or your application for RIDEM Freshwater Wetlands Permit, RIDEM Water Quality Certification, RIDEM UIC/Groundwater Discharge Permit, CRMC Assent or QLP approval. In accordance with the *Rhode Island Stormwater Design and Installation Standards Manual* (RISDISM), the Stormwater Management Plan must include the following major elements, which serve to satisfy the eleven Minimum Standards outlined in the RISDISM, as well as comply with specific criteria for the site planning process, groundwater recharge, water quality, channel protection, and peak flow control requirements:

A. **Stormwater Site Planning, Analysis, and Design** – This element of the Stormwater Management Plan must address the following Minimum Standards and include supporting documentation and calculations:

1. Minimum Standard 1: LID Site Planning and Design Strategies
2. Minimum Standard 2: Groundwater Recharge,
3. Minimum Standard 3: Water Quality,
4. Minimum Standard 4: Conveyance and Natural Channel Protection,
5. Minimum Standard 5: Overbank Flood Protection,
6. Minimum Standard 6: Redevelopment and Infill Projects.
7. Minimum Standard 8: Land Uses with Higher Potential Pollutant Loads (LUHPPLs)
8. Minimum Standard 9: Illicit Discharges

In addition, the following Appendices from the RISDISM provide additional guidance on how to comply with the above listed standards:

9. Appendix B: Vegetation Guidelines and Planting List
10. Appendix C: Guidance for Retrofitting Existing Development for Stormwater Management
11. Appendix F: Guidance on BMP Construction Specifications
12. Appendix I: Rhode Island River and Stream Order
13. Appendix K: Hydrologic and Hydraulic Modeling Guidance

B. **Soil Erosion, Runoff, and Sediment Control** – In order to comply with this permit a component of the Stormwater Management Plan must address two sources of stormwater pollution: (1) pollution caused by soil erosion, runoff, and sedimentation during construction and (2) stormwater pollution generated as a direct result of the construction activity itself (i.e. stormwater contaminated by construction wastes and practices). The Stormwater Management Plan must satisfy Part III of this permit and Minimum Standard 10 of the RISDISM – Construction Erosion and Sedimentation Control. In order to facilitate an expeditious DEM review and make it easier for the site owner and operator to comply with applicable soil erosion and sediment control requirements, it is recommended that a Soil Erosion and Sediment Control Plan be developed as a stand alone document.

C. **Post Construction Operation and Maintenance** – The Stormwater Management Plan must address *Minimum Standard 11*: *Stormwater Management System Operation and Maintenance* of the RISDISM to ensure that the stormwater management system constructed will continue to function as designed. The Plan must address the O&M requirements for each stormwater management practice in Chapter 5 of the RISDISM. Additional guidance on developing O&M plans can be found in Appendix E of the RISDISM. In addition the Plan must address *Minimum Standard 7: Pollution Prevention* of the RISDISM by incorporating source control and pollution prevention measures to minimize the impact that the land use may have on stormwater runoff quality after the construction development activities have been completed and the site is fully stabilized. Additional guidance can be found in Appendix G of the RISDISM. In order to facilitate an expeditious DEM

review and make it easier for the site owner(s) to comply with applicable Operation and Maintenance requirements, it is recommended that an Operation and Maintenance Plan be developed as a stand alone document.

The facility may be required to obtain authorization to discharge under the RIPDES Multi-Sector General Permit for Stormwater Discharge Associated with Industrial Activity depending on the Standard Industrial Classification that will be applicable to the site when construction is complete. In these cases the Stormwater Management Plan should address the requirements of the RIPDES Multi-Sector General Permit for Stormwater Discharge Associated with Industrial Activity.

III. SOIL EROSION AND SEDIMENT CONTROL (SESC) PLAN REQUIREMENTS

A. The Soil Erosion and Sediment Control (SESC) Plan shall describe and ensure the implementation of stormwater control measures which are to be used to reduce or eliminate pollutants in stormwater discharge(s) from the site and assure compliance with the terms and conditions of this permit. Control practice selection shall include an evaluation of the effectiveness of available practices and be made with proper references.

B. Soil erosion, runoff, sediment, and pollution prevention control measures must be designed, implemented, and maintained in accordance with the requirements of this permit and in accordance with the design specifications and guidance contained in the *Rhode Island Soil Erosion and Sediment Control (RISESC) Handbook* (as amended) and the *Rhode Island Stormwater Design and Installation Standards Manual (RISDISM)* (as amended).

C. The SESC Plan shall be stamped and signed by a Registered Professional Engineer, a Certified Professional in Erosion and Sediment Control (CPESC), a Certified Professional in Stormwater Quality (CPSWQ), or a Registered Landscape Architect certifying that the SESC Plan meets all requirements of this permit. SESC Plans which require the practice of engineering must be stamped and signed by a Registered Professional Engineer.

D. If the SESC Plan is not required to be submitted along with the NOI (see Part I.D of this permit), then the owner, operator, or other designated person under the supervision of the owner or operator shall make it available to the Department upon request.

E. If the SESC Plan is requested and reviewed by the Director, he or she may notify the permittee at any time that it does not meet one or more of the minimum requirements of this permit. After such notification from the Director, the permittee shall amend the SESC Plan and shall submit to the Director, within seven (7) days of the notification, a written certification that the required changes have been made.

F. The owner and operator shall amend the SESC Plan within seven (7) days whenever there is a change in design, construction, operation, maintenance or other procedure which has a significant effect on the potential for the discharge of pollutants, or if the SESC Plan proves to be ineffective in achieving its objectives. In addition, the SESC Plan shall be amended to identify any new operator that will implement a component of the SESC Plan. The amended SESC Plan must be kept on file at the construction site and any SESC Plan modifications must be documented. Any amendments to control measures which involved the practice of engineering, must first be reviewed, signed, and stamped by a Professional Engineer registered in the State of Rhode Island. The DEM reserves the right to review any SESC Plan amendments in the same manner as described in paragraph III.E.

G. A copy of the SESC Plan including site plans, amendments to the SESC Plan and site plans, records of inspections, maintenance, and corrective actions, a copy of the NOI, and any regulatory permits granted must be kept on site at all times during the extent of coverage under this permit. The site operator as defined by Part I.C.2 of this permit must maintain a copy of the SESC Plan at a central location on-site for the use of all those identified as having responsibilities under the SESC Plan whenever they are on the construction site. If

an on-site location is unavailable to store the SESC Plan and associated records when no personnel are present, notice of the SESC Plan's location must be posted near the main entrance of the construction site.

H. Each project authorized under this permit must determine if the site is within or directly discharges to a Natural Heritage Area (NHA). DEM Natural Heritage Areas include known occurrences of state and federal rare, threatened and endangered species. Review DEM NHA maps to determine if there are natural heritage areas on or near the construction site.

I. List and provide existing data (if available) on the quality of known discharges from the site. The SESC Plan must identify any stormwater discharge associated with industrial activity other than construction if applicable.

J. Soil Erosion and Sediment Control Plans: Required Contents

1. **Erosion, Runoff, and Sediment Control Requirements –** Owners and Operators must design, install, and maintain effective erosion, runoff, and sediment controls that address the nature of stormwater run-on and runoff at the site, including factors such as expected flow from impervious surfaces, slopes, and site drainage features. If stormwater flow will be channelized at the site, site owners and operators must design temporary stormwater controls that will control peak flow rates and total stormwater volume, to minimize channel and stream bank erosion in the immediate vicinity of discharge points. These controls must be designed to address the range of soil particle sizes expected to be present, site soils, slope, and the expected amount, frequency, intensity, and duration of precipitation. At a minimum the following must be addressed:

(a) Phase Construction Activity – describe the intended construction sequencing and timing of major activities, including grading activities, road and utility installation, and building phases. The estimated timetable and sequence of construction activities must address the following key activities:

(i) Installation of erosion, runoff, and sediment controls and temporary pollution prevention measures.

(ii) Protection of planned infiltration sites and qualifying pervious areas from compaction.

(iii) Inspection and maintenance of erosion, runoff, sediment controls and other temporary pollution prevention measures.

(iv) Final site stabilization and removal of temporary erosion, runoff, and sediment controls and temporary pollution prevention measures.

(b) Control Stormwater Flowing Onto and Through the Project – Describe controls that will be used to divert flows from exposed soils, retain or detain flows, or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. A description of controls, including design specifications and details must be provided.

(c) Stabilize Soils – Describe controls that will be used to stabilize soils throughout the entire duration of the construction project, including phased clearing/grubbing, initiating stabilization practices, and maintaining stabilization practices. Soil stabilization of disturbed areas must, at a minimum be initiated immediately whenever any clearing, grading, excavating or other earth disturbance activities have permanently ceased on any portion of the site, or temporarily ceased on any portion of the site and will not resume for a period exceeding fourteen (14) calendar days. Stabilization must be completed using vegetative stabilization measures or using alternative measures whenever vegetative measures are deemed impracticable or during periods of drought.

(d) Protect Storm Drain Inlets – Describe controls, including design specifications and details, that will

be used to prevent soil and debris from entering storm drain inlets. If stormwater discharges from the construction site have the potential to enter storm drain inlets that then discharge to a surface water, the site owner and operator must:

a. *Installation Requirements:* Install inlet protection practices that remove sediment from the discharge prior to entry into the storm drain inlet.

b. *Maintenance Requirements:* Clean, or remove and replace, the protection practices as sediment accumulates, the filter becomes clogged, and/or performance is compromised. Accumulated sediment adjacent to the inlet protection measures should be removed by the end of the same work day in which it is found or by the end of the following work day if removal by the same work day is not feasible.

(e) Protect Storm Drain Outlets - Describe controls, including design specifications and details, to be used to protect outlets discharging stormwater from the project. Outfall protection must be used to prevent scour or severe erosion at discharge points. The function of the specified controls must be to protect the soil surface, reduce velocity, and promote infiltration.

(f) Establish Perimeter Controls and Sediment Barriers – Describe controls, including selection criteria and details, to be used to prevent soil erosion, filter, and trap sediment before it leaves the construction site.

a. *Installation Requirements*: Sediment controls must be installed along those perimeter areas of the site that will receive stormwater from earth disturbing activities.

b. *Maintenance Requirements*: Maintenance of perimeter controls and sediment barriers must be completed in accordance with the maintenance requirements specified in the RISESC Handbook (as amended).

(g) Establish Temporary Controls For The Protection of Post Construction Stormwater Practices – Identify the temporary practices that will be installed to protect permanent or long-term stormwater practices as they are installed and throughout the construction phase of the project so that they will function properly when they are brought online. Examples of long-term practices that may require protection include: infiltration basins, open vegetated swales and natural depressions, vegetated buffer strips, and permanent detention/retention structures. Examples of temporary control measures that can be used to protect permanent stormwater control measures include: establishing temporary sedimentation barriers around infiltrating practices, ensuring proper material staging areas and equipment routing (i.e. do not allow construction equipment to compact areas where infiltrating practices will be installed), and by conducting final cleaning of structural long-term practices after construction is completed.

(h) Temporary Sediment Trapping and Temporary Stormwater Conveyance Practices – Describe the need for temporary sediment trapping and temporary stormwater conveyance practices, and if required include design specifications and details which demonstrate that they comply with Minimum Standard 10 of the RISDISM.

(i) Utilize Surface Outlets – To the maximum extent practicable, outlet structures must be utilized that withdraw water from the surface of temporary sedimentation basins, in order to minimize the discharge of pollutants. Exceptions may include periods of extended cold weather, where alternate outlets are required during frozen periods. If such a device is infeasible for portions of or the entire construction period justification must be made in the SESC Plan.

(j) Properly Use Treatment Chemicals - If the owner and/or operator plans to utilize polymers, flocculants, or other treatment chemicals at the construction site (e.g. dewatering, temporary sediment

traps, stormwater conveyance practices, soil stabilization), the use of such chemicals must be managed in accordance with current best management practices and in accordance with the requirements of the *Rhode Island Soil Erosion and Sediment Control (RISESC) Handbook* (as amended).

2. **Construction Activity Pollution Prevention Requirements** – The purpose of pollution prevention is to prevent daily construction activities from causing pollution. The owner and operator must design, install, implement, and maintain effective pollution prevention practices to minimize the discharge of pollutants. Pollution prevention practices must be described that will serve to control pollutants used at the site. At a minimum pollution prevention measures must address the following:

   (a) Prohibited Discharges - The following discharges are prohibited at the construction site:

      (i) Contaminated groundwater, unless specifically authorized by the DEM. These types of discharges may only be authorized under a separate DEM RIPDES permit.

      (ii) Wastewater from washout of concrete, unless the discharge is contained and managed by appropriate controls.

      (iii) Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction materials.

      (iv) Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance. Proper storage and spill prevention practices must be utilized at all construction sites.

      (v) Soaps or solvents used in vehicle and equipment washing.

      (vi) Toxic or hazardous substances from a spill or other release.

   (b) Minimize Off-Site Tracking of Sediments – Describe the location(s) of vehicle entrance(s) and exit(s), and stabilization practices used to prevent sediment from being tracked off-site. Sediment track-out must be minimized onto off-site streets, other paved areas, and sidewalks from vehicles exiting the construction site. Site owners and operators must:

      (i) Restrict vehicle use to properly designated exit points.

      (ii) Use properly designed and constructed construction entrances at all points that exit onto paved roads so that sediment removal occurs prior to vehicle exit.

      (iii) When and where necessary, use additional controls to remove sediment from vehicle tires prior to exit (i.e. wheel washing racks, rumble strips, and rattle plates).

      (iv) Where sediment has been tracked out from the construction site onto the surface of off-site streets, other paved areas, and sidewalks, the deposited sediment must be removed by the end of the same work day in which the trackout occurs. Track-out must be removed by sweeping, shoveling, or vacuuming these surfaces, or by using other similarly effective means of sediment removal. Operators are prohibited from hosing or sweeping tracked-out sediment into any stormwater conveyance, storm drain inlet, or surface water.

   (c) Proper Waste Disposal – Identify potential building materials and other construction wastes and document how these wastes will be properly managed and disposed of at the construction site. All types of wastes generated at the site must be disposed of in a manner consistent with State Law and/or regulations.

(d) Spill Prevention and Control – All chemicals and/or hazardous waste material must be stored properly and legally in covered areas, with containment systems constructed in or around the storage areas. Areas must be designated for materials delivery and storage. All areas where potential spills can occur, and their accompanying drainage points must be described. The owner and operator must establish spill prevention and control measures to reduce the chance of spills, stop the source of spills, contain and clean-up spills, and dispose of materials contaminated by spills. The operator must establish and make highly visible location(s) for the storage of spill prevention and control equipment and provide training for personnel responsible for spill prevention and control on the construction site.

(e) Control of Allowable Non-Stormwater Discharges – Allowable non-stormwater discharges as established in Part I.B.2 of this permit should be kept separate from stormwater flow through the use of appropriate control measures. The owner and operator must identify all allowable non-stormwater discharges associated with construction activity and describe the controls and measures that will be implemented at those locations to minimize pollutant contamination where applicable.

(f) Control Dewatering Practices – Describe dewatering practices that will be implemented if water must be removed from an area so that construction activity can continue. Site owners and operators are prohibited from discharging groundwater or accumulated stormwater that is removed from excavations, trenches, foundations, vaults, or other similar points of accumulation, unless such waters are first effectively managed by appropriated control measures. Examples of appropriate control measures include, but are not limited to, temporary sediment basins or sediment traps, sediment socks, dewatering tanks and bags, or filtration systems (e.g. bag or sand filters) that are designed to remove sediment. Uncontaminated, non-turbid dewatering water can be discharged without being routed to a control. At a minimum the following discharge requirements must be met for dewatering activities:

(i) Do not discharge visible floating solids or foam.

(ii) To the extent feasible, utilize vegetated, upland areas of the site to infiltrate dewatering water before discharge. In no case will surface waters be considered part of the treatment area.

(iii) At all points where dewatering water is discharged utilize velocity dissipation devices.

(iv) With filter backwash water, either haul it away for disposal or return it to the beginning of the treatment process.

(v) Replace and clean the filter media used in dewatering devices when the pressure differential equals or exceeds the manufacturer's specifications.

(vi) Dewatering practices must involve the implementation of appropriate control measures as applicable (i.e. containment areas for dewatering earth materials, portable sediment tanks and bags, pumping settling basins, and pump intake protection).

(g) Establish Proper Building Material Staging Areas - Describe construction materials expected to be stored on-site and procedures for storage of materials to minimize exposure of the materials to stormwater. Minimization of exposure is not required in cases where the exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of a specific material or product poses little risk of stormwater contamination (such as final products and materials intended for outdoor use).

(h) Control Discharges from Stockpiled Sediment or Soil - Stockpile management consists of procedures and practices designed to minimize or eliminate the discharge of stockpiled material (soil, topsoil, base material, rubble) from entering drainage systems or surface waters. For any stockpiles or land

clearing debris composed, in whole or in part, of sediment or soil, you must comply with the following requirements:

(i) Locate piles within the designated limits of disturbance.

(ii) Protect from contact with stormwater (including run-on) using a temporary perimeter sediment barrier.

(iii) Where practicable provide cover or appropriate temporary vegetative or structural stabilization to avoid direct contact with precipitation or to minimize the discharge of sediments.

(iv) Do not hose down or sweep soil or sediment accumulated on pavement or other impervious surfaces into any stormwater conveyance, storm drain inlet, or surface water.

(v) To the maximum extent practicable, contain and securely protect from wind.

(i) Minimize Dust – describe dust control procedures and practices that will be used to suppress dust and limit its generation (i.e. applying water, limiting the amount of bare soil exposed at one time etc.)

(j) Designate Washout Areas – describe the controls that will be used to minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, washout areas for concrete mixers, paint, stucco, etc. The recommended location(s) of washout areas should be identified, or at a minimum the locations where these washout areas should not be sited should be called out.

(k) Establish Proper Equipment/Vehicle Fueling and Maintenance Practices – Describe equipment/vehicle fueling and maintenance practices that will be implemented to prevent pollutants from mixing with stormwater (e.g. secondary containment, drip pans, spill kits, etc.). Provide recommended location(s) of fueling/maintenance areas, or, at minimum, locations where fueling/maintenance should be avoided.

3. **Control Practice Installation, Inspection, and Maintenance Requirements**

(a) Installation Requirements - Complete the installation of temporary erosion, runoff, sediment, and pollution prevention control measures by the time each phase of earth-disturbance has begun. All stormwater controls must be installed in accordance with good engineering practices, including applicable design specifications. Design specifications may be found in manufacturer specifications and/or the *Rhode Island Soil Erosion and Sediment Control (RISESC) Handbook* (as amended). Any departures from such specifications must be provided and demonstrated to reflect good engineering practices.

(b) Inspection Requirements

(i) *Minimum Frequency* - Each of the following areas must be inspected by or under the supervision of the owner and operator at least once every seven (7) calendar days and within twenty-four (24) hours after any storm event which generates at least 0.25 inches of rainfall per twenty-four (24) hour period and/or after a significant amount of runoff:

a. All areas that have been cleared, graded, or excavated and that have not yet completed stabilization;

b. All stormwater erosion, runoff, and sediment control measures (including pollution prevention practices) installed at the site to comply with this permit;

c. Construction material, unstabilized soil stockpiles, waste, borrow, or equipment storage, and

maintenance areas that are covered by this permit and are exposed to precipitation;

d. All areas where stormwater typically flows within the site, including temporary drainage ways designed to divert, convey, and/or treat stormwater;

e. All points of discharge from the site;

f. All locations where temporary or permanent soil stabilization measures have been implemented;

g. All locations where vehicles enter or exit the site.

(ii) *Qualified Personnel* – The site owner and operator are responsible for designating personnel to conduct inspections and for ensuring that the personnel who are responsible for conducting the inspections are "qualified" to do so. A "qualified person" is a person knowledgeable in the principles and practices of erosion, runoff, sediment, and pollution prevention controls, who possesses the skills to assess conditions at the construction site that could impact stormwater quality, and the skills to assess the effectiveness of any stormwater controls selected and installed to meet the requirements of this permit.

(iii) *Recordkeeping Requirements* - All records of inspections, including records of maintenance and corrective actions must be maintained with the SESC Plan. Inspection records must include the date and time of the inspection, and the inspector's name, signature, and contact information.

(iv) *Reductions in Inspection Frequency* - If earth disturbing activities are suspended due to frozen conditions, inspections may be reduced to a frequency of once per month. The owner and operator must document the beginning and ending dates of these periods in the SESC Plan.

(v) Failure to make and provide documentation of inspections under this part constitutes a violation of this permit and enforcement actions under 46-12 of R.I. General Laws may result.

(c) Maintenance Requirements – Site owners and operators must ensure that all erosion, runoff, sediment, and pollution prevention controls remain in effective operating condition and are protected from activities that would reduce their effectiveness. Site owners and operators must ensure that all erosion, runoff, sediment, and pollution prevention controls are inspected at the frequency established in Part III.J.3.b of this permit. If the designated site inspector finds a problem (i.e. erosion, runoff, sediment or pollution prevention controls require replacement, repair, or maintenance), the owner and operator must ensure that the necessary repairs or modifications are made in accordance with the following:

(i) Initiate work to fix the problem immediately after discovering the problem, and complete such work by the close of the next work day, if the problem does not require significant repair or replacement, or if the problem can be corrected through routine maintenance.

(ii) When installation of a new control or a significant repair is needed, site owners and operators must ensure that the new or modified control practice is installed and made operational by no later than seven (7) calendar days from the time of discovery where feasible. If it is infeasible to complete the installation or repair within seven (7) calendar days, the reasons why it is infeasible must be documented in the SESC Plan along with the schedule for installing the stormwater control(s) and making it operational as soon as practicable after the 7-day timeframe. Where these actions result in changes to any of the stormwater control measures outlined in the SESC Plan, site owners and operators must modify the SESC Plan accordingly within seven (7) calendar days of completing this work in accordance with Part III.F.

(iii) If corrective actions are required, the site owner and operator must ensure that all corrective

actions are documented on the inspection report in which the problem was first discovered. These corrective actions must be documented, signed, and dated by the site operator once all necessary repairs have been completed.

4. **Site Plan Requirements –** Site Plans must depict all of the control measures required to meet the SESC Plan requirements of this permit. Depending on the complexity, the SESC Plan may reference the complete construction plan set prepared as part of the overall Stormwater Management Plan, and/or may have a specific SESC Plan Set developed. The SESC Plan should indicate the plan type (General, Drainage & Utility, SESC Plan, etc.) and sheet numbers where the following required information can be found:

   (a) Title & Date of Plan Set(s).

   (b) Total Project Area, including all grading and/or excavation, and a defined Limit of Disturbance.

   (c) Pre- and post-development drainage patterns.

   (d) The location and name of the receiving waters and/or separate storm sewer system and the ultimate receiving waters that may be impacted during construction.

   (e) Location of environmentally sensitive features and areas to be preserved and/or protected.

   (f) Locations where stormwater discharges to a surface water or wetland.

   (g) Location of all existing and proposed impervious surfaces/structures.

   (h) Locations of potential sources of pollution that may reasonably be expected to affect the quality of stormwater discharges from the site (i.e. exposed, unstabilized soil stockpiles and construction material and waste collection areas).

   (i) Locations and timing of stabilization practices including phased clearing and grubbing based on scheduled activities.

   (j) The location of all erosion, runoff, sediment, and pollution prevention control measures, including the location of temporary sediment basins, diversions, or other water quality, peak discharge, and volume control structures.

   (k) Areas within the project limits which are unsuitable for material storage areas, equipment storage areas, designated concrete washout collection areas, dumpsters, stockpiles, fueling locations, etc. (i.e. locations where these activities shall not occur, and recommendations of where they may occur.)

   (l) The location of spill prevention and response equipment.

   (m) The location of all proposed post-construction best management practices including locations of infiltrating practices and prohibited traffic areas.

IV. NOTICE OF INTENT REQUIREMENTS

A. Contents of the Notice of Intent:

1. Site information, including the street address, plat and lot numbers, location description, latitude, longitude and utility pole number.

2. Total site area and site area to be disturbed.

3. Name and class of water body class receiving run off from project or site.

4. Project name.

5. Indication of pre-application meeting and meeting date.

6. Owner/applicant information, including name, organization/company name, contact person, address, email and telephone number.

7. A signed certification by the Owner/Applicant that under penalty of law they've requested and authorized the investigation, compilation, and submission of all the information, in whatever form, contained in the Application; have personally examined and are familiar with the information submitted herein; and based on their inquiry of those individuals immediately responsible for obtaining the information, they believe the information is true, accurate and complete. The Owner/Applicant is aware that it's the owner's responsibility to implement or hire a qualified contractor responsible to implement any required Soil Erosion and Sediment Control Plan, to effectively control stormwater discharges leaving the site during the construction period. The Owner/Applicant authorizes RIDEM personnel access to the property for purposes of observing conditions pertinent to the application and assessing compliance with any permit or determination resulting from the application.

8. Professional information, including name, license type and number, company name, email, phone number and title. The Professional must be a Registered Professional Engineer, if the Stormwater Analysis and Drainage Report requires the practice of engineering; or a Registered Professional Engineer, a Certified Professional in Erosion and Sediment Control (CPESC), a Certified Professional in Storm Water Quality (CPSWQ), or a Registered Landscape Architect, if the submission requires the determination of site location within a Natural Heritage Area, or if the project requires submission of a Soil Erosion and Sediment Control Plan.

9. A signed certification by a Professional that under penalty of law the project described in the application and associated materials is in compliance with the RI Stormwater Design and Installation Standards Manual (as amended) and the Rhode Island Soil Erosion and Sediment Control Handbook (as amended) [if required] and that they believe all information presented in the application and the accompanying materials is true, accurate and complete. All engineering designs, plans and specifications [if required] included in the application were done by the certifying Professional or by someone working directly for them. The Natural Heritage Area Information [if required] and the site specific Soil Erosion and Sediment Control Plan [if required] were prepared under their direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on their inquiry of the person or persons who manage the system, or those persons directly responsible for gathering or developing the information, the information submitted is, to the best of their knowledge and belief, true, accurate, and complete at the time the application is made. The certifying Professional is aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

10. Permit History including all other RI Coastal Resources Management Council (CRMC), US Army Corps of Engineers and RIDEM application or file numbers and program names associated with the site.

11. Indicate if there are Freshwater Wetlands on the subject or adjacent property and the project proposes new or increased impervious cover for property other than a single family home; or disturbance of more than 10,000 square feet of existing impervious cover; or to fill in any amount of floodplain or alter storm flowage to a river, stream or wetland on any lot.

12. Indicate if the project requires an application to RI CRMC and proposes a residential development of six (6) units or more; or a project that results in the creation of 10,000 square feet or more of impervious area.

13. Indicate if the project proposes an infiltration system listed in the Rhode Island Stormwater Design and Installation Standards Manual (RISDISM) that receives stormwater from a residential impervious area that is more than 10,000 square feet; or a non-residential roof area greater than 10,000 square feet; or a non-residential road or parking area of any size.

14. Indicate if the treatment system discharges below the ground; or above the ground and infiltrates, but must be reviewed for compliance with the RISDISM to be protective of groundwater.

15. Indicate if the project proposes discharge of stormwater to waters of the State [including a Separate Storm Sewer System (MS4)], and disturbs less than one (1) acre, but the activity is part of a larger common plan resulting in more than 1 acre of disturbance; or disturbs more than 1 acre of property. Provide the name of the larger common plan.

16. Indicate if the site within or directly discharges to a Natural Heritage Area (NHA.)

17. For construction activities that disturb an area greater than or equal to five (5) acres and are not required to obtain a RIDEM Freshwater Wetlands Permit, RIDEM Water Quality Certification, RIDEM UIC/Groundwater Discharge Permit, CRMC Assent or QLP, the NOI must include a completed Stormwater Management Checklist as provided in Appendix A of the *Rhode Island Stormwater Design and Installation Standards Manual* (as amended) and a copy of the Stormwater Management Plan.

18. After review of the NOI, additional information may be required by this office to determine whether or not to authorize the discharge under this permit.

B. Where to Submit. A completed and signed NOI must be submitted to:

R.I. Department of Environmental Management
Permit Application Center
RIPDEM 235 Promenade Street
Providence, RI 02908

C. Additional Notification. Construction sites discharging stormwater must submit a copy of the NOI to the applicable Town or City Department in which the construction activity and the point of discharge is located.

D. Deficient. If the NOI does not meet one or more of the minimum requirements of this permit, then the applicant will be notified as such by a deficiency letter at any point during the review period. It is the responsibility of the applicant to make all required changes in the plan and resubmit the application. The review period will recommence upon the departmental receipt of the revised application.

V. GENERAL REQUIREMENTS

A. Duty to Comply. The permittee must comply with all conditions of this permit and any other applicable State, local and/or federal regulations. Any permit noncompliance constitutes a violation of Chapter 46-12 of the Rhode Island General Laws and the CWA and is grounds for enforcement action which may include, permit termination, revocation and reissuance, modification, or for the denial of a permit renewal application and the imposition of penalties.

1. The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the CWA for toxic pollutants within the time provided in the regulations that establish these standards or

prohibitions, even if the permit has not yet been modified to incorporate this requirement.

2. Section 309 of the CWA provides significant penalties for any person who violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the CWA or any permit condition or limitation implementing any such sections in a permit issued under Section 402 of the CWA. Any person who violates any condition of this permit is subject to a civil penalty of up to $25,000 per day of such violation, as well as any other appropriate sanctions provided by Section 309 of the CWA. Section 309(c)(4) of the CWA provides that any person who knowingly makes any false material statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including reports of compliance or noncompliance shall, upon conviction, be punished by a fine of up to $10,000 or by imprisonment of not more than two (2) years, or by both.

3. Chapter 46-12 of the R.I. General Laws provides that any person who violates a permit condition is subject to a civil penalty of not more than $25,000 per day of such violation. Any person who willfully or negligently violates a permit condition is subject to a criminal penalty of not more than $25,000 per day of such violation and imprisonment for not more than five (5) years, or both. Any person who knowingly makes any false statement in connection with the permit is subject to a criminal penalty of not more than $5,000 for each instance of violation or by imprisonment for not more than thirty (30) days, or both.

B. Continuation of the Expired General Permit. Provided the permittee has reapplied in accordance with paragraph C. below, an expired general permit continues in force and effect until a new general permit is issued. Only those construction sites previously authorized to discharge under the expired permit are covered by the continued permit.

C. Duty to Reapply. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain coverage under a new permit. The permittee shall submit a complete Notice of Intent at least thirty (30) days before the expiration date of the existing permit, unless permission for a later date has been granted by the Director.

D. Need to Halt or Reduce Activity Not a Defense. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

E. Duty to Mitigate. The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit, which has a reasonable likelihood of adversely affecting human health or the environment.

F. Duty to Provide Information. The permittee shall furnish to the Department, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall furnish to the Director any documents that are required to be kept as part of this permit.

G. Signatory Requirements. All Notices of Intent, Stormwater Management Plans, Soil Erosion and Sediment Control Plans, inspection reports, certifications, or other information submitted to the Director, or that this permit requires be maintained by the permittee shall be signed and certified in accordance with Rule 12 of the RIPDES regulations. R.I. General Laws, Chapter 46-12 provides that any person who knowingly makes any false statements, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than $5,000 per violation, or by imprisonment for not more than thirty (30) days per violation, or by both.

H. Oil and Hazardous Substance Liability. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the CWA.

I. Release in Excess of Reportable Quantities. If a release in excess of a reportable quantity occurs, this office must be notified immediately. This permit does not relieve the permittee of the reporting requirements of 40 CFR 117 and 40 CFR 302. The discharge of hazardous substances in the stormwater discharge(s) from a facility shall be minimized in accordance with the applicable stormwater management plan for the facility, and in no case, during any twenty four (24) hour period, shall the discharge(s) contain a hazardous substance equal to or in excess of reportable quantities.

J. Property Rights. The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations.

K. Severability. The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

L. Transfers. This permit is not transferable to any person except after notice to the Director. The Director may require the owner and operator to apply for and obtain an individual RIPDES permit as stated in Part V.T. of this permit.

M. State Laws. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law.

N. Proper Operations and Maintenance. The permit shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the requirements of this permit.

O. Record Keeping

1. The permittee shall retain records of all inspections and reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least five (5) years from the date of the report or application. The records must be kept at the construction site at all times. If an on-site location is deemed impractical, notice of the location of the required records must be posted near the main entrance to the construction site. Once the construction project is complete and the permit has been terminated, records must be kept at either the completed project location or the records must be maintained by the owner of record at the time that the construction project was active. This period may be extended by request of the Director at any time.

P. Bypass of Stormwater Control

1. *Anticipated Bypass.* If the permittee knows in advance of the need for a bypass, he or she shall notify this Department in writing at least ten (10) days prior to the date of the bypass. Such notice shall include the anticipated quantity and the anticipated effect of the bypass.

2. *Unanticipated Bypass.* The permittee shall submit notice of an unanticipated bypass. Any information regarding the unanticipated bypass shall be provided orally within twenty four (24) hours from the time the permittee became aware of the circumstances. A written submission shall also be provided within five (5) days of the time the permittee became aware of the bypass. The written submission shall contain a description of the bypass and its cause; the period of the bypass; including exact dates and times, and if the bypass has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate and prevent reoccurrence of the bypass.

3. *Prohibition of Bypass.*

(a) Bypass is prohibited and enforcement action against the permittee may be taken for the bypass unless:

(i) The bypass was unavoidable to prevent loss of life, personal injury or severe property damage;
(ii) The permittee submitted notices as required in paragraphs P.1. and P.2.

(b) The Director may approve an unanticipated bypass after considering its adverse effects, if the Director determines that it will meet the two conditions in paragraph P.3.a. above.

Q. Upset Conditions

1. An upset constitutes an affirmative defense to an action brought for non-compliance with technology based permit limitations if the requirements of paragraph 2 below are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

2. A permittee who wishes to establish an affirmative defense of an upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence, that:

(a) An upset occurred and the permittee can identify the specific causes(s) of the upset;
(b) The permittee facility was at the time being properly operated;
(c) The permittee submitted notice of the upset as required in Rule 14.08 of the RIPDES Regulations; and
(d) The permittee complied with any remedial measures required under Rule 14.05 of the RIPDES Regulations.

3. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

R. Inspection and Entry. The permittee shall allow the Director, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated activity is conducted, or where records must be kept under the conditions of this permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
3. Inspect at reasonable times any equipment, practices, or operations regulated or required under this permit; and
4. Sample or monitor any substances or parameters at any location, at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the CWA or R.I. law.

S. Permit Actions. This permit may be modified, revoked and reissued, or terminated for cause, including but not limited to: violation of any terms or conditions of this permit; obtaining this permit by misrepresentation or failure to disclose all relevant facts; or a change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

T. Requiring an Individual Permit or an Alternative General Permit

1. The Director of the Department of Environmental Management (DEM) may require any owner or operator authorized to discharge stormwater under this permit to apply for and obtain either an individual or an alternative RIPDES general permit. Any interested person may petition the Director to take action

under this paragraph. The Director may determine at his or her own discretion that an individual or an alternative general permit is required (see RIPDES Rule 32 for reasons why an alternative permit may be required).

2. Any owner or operator authorized to discharge stormwater by this permit may request to be excluded from coverage of this permit by applying for coverage under an individual permit or an alternative general permit. The request shall be granted by the issuance of an individual permit only if the reasons cited by the owner or operator are adequate to support the request. The Director shall notify the permittee within a timely fashion as to whether or not the request has been granted.

3. If a facility requests or is required to obtain coverage under an individual or an alternative general permit, then authorization to discharge stormwater under this permit shall automatically be terminated on the date of issuance of the individual or the alternative general permit. Until such time as an alternative permit is issued, the existing general permit remains fully in force.

U. Reopener Clause

1. If there is evidence indicating potential or realized impacts on water quality due to any stormwater discharge associated with construction covered by this permit, the owner or operator of such discharge may be required to obtain an individual permit or alternative general permit in accordance with Part V.T. of this permit or the permit may be modified to include different limitations and/or requirements.

2. Permit modification or revocation will be conducted in accordance with 40 CFR 122.62, 122.63, 122.64 and 124.5.

V. Availability of Reports. Except for data determined to be confidential under Part W.1. below, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the DEM at 235 Promenade Street, Providence, Rhode Island. As required by the CWA, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the CWA and under Chapter 46-12-14 of the Rhode Island General Laws.

W. Confidentiality of Information

1. Any information submitted to DEM pursuant to these regulations may be claimed as confidential by the submitter, consistent with Rhode Island General Law 38-2-2. Any such claim must be asserted at the time of the submission in the manner prescribed on the application form or instructions or, in the case of other submissions, by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, DEM may make the information available to the public without further notice.

2. Claims of confidentiality for the following information will be denied:

   (a) The name and address of any permit application or permittee;
   (b) Permit applications, permits and any attachments thereto; and
   (c) RIPDES effluent data.

X. Right to Appeal. Within thirty (30) days of receipt of notice of final authorization, the permittee or any interested person may submit a request to the Director for an adjudicatory hearing to reconsider or contest that decision. The request for a hearing must conform to the requirements of Rule 49 of the RIPDES Regulations.

RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
235 Promenade Street
Providence, Rhode Island 02908

September 7, 2021

National Grid LNG, LLC
c/o Mr. William Howard
280 Melrose Street
Providence, RI 02907

RE: **Water Quality Certificate Extension #1: National Grid LNG Facility**
Plat 56, Lots 5, 316 & 317; and Plat 101, Lot 1
642 Allens Avenue/121 Terminal Road, Providence
WQC File No. 16-171; RIPDES RIR101477

Dear Mr. Howard:

The RIDEM-Office of Water Resources has reviewed your request for an Extension of the permit expiration date of November 21, 2021 for the above-referenced project. The extension request did not include any proposed changes from what was previously approved in the originally issued WQC (attached).

The Water Quality Certification Program hereby grants an Extension of the WQC expiration date to November 21, 2022, as requested.

Please note that, except for Condition #7 (permit expiration date), all Conditions set forth in the original WQC remain in effect.

Sincerely,

Neal B. Personeus
Sen. Env. Scientist/Project Mgr.
Federal 401/State WQC Program

Attachment: Originally issued WQC dated November 21, 2018

ec: Joseph Martella, RIDEM OLRSMM
Susan Forcier, Esq., RIDEM OLS
Rich Lucia, RI CRMC
Dan Goulet, RI CRMC
Kevin R. Kotelly, US ACOE
Igor Runge, GZA
Sara Haupt, GZA
Margaret S. Kilpatrick, GZA
Kenneth J. Warn, FERC

RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
235 Promenade Street, Providence, RI 02908-5767 TDD 401-222-4462

November 21, 2018

National Grid LNG, LLC
c/o Mr. William Howard
40 Sylvan Road
Waltham, MA 02451

RE: **Water Quality Certificate - National Grid LNG Facility**
Plat 56, Lots 5, 316 & 317; and Plat 101, Lot 1; 642 Allens Avenue, Providence
WQC File No. 16-171; RIPDES RIR101477

Dear Mr. Howard:

The RIDEM-Office of Water Resources has reviewed the above referenced project for compliance with the State Water Quality Regulations (WQR), the Rhode Island Pollutant Discharge Elimination System Construction General Permit (RIPDES CGP) Regulations, and the Rhode Island Stormwater Design and Installation Standards Manual (RISDISM). The project involves the construction of a natural gas liquefaction facility on a portion of the subject property adjacent to an existing liquefied natural gas (LNG) tank. The new plant will tie into the existing high-pressure gas line that enters the site from the east (Providence River) and will be used to fill the existing LNG tank during low-demand summer months for use during high demand months. A new outfall will be constructed for the discharge of treated stormwater to the Providence River.

We have reviewed the subject application and site plans for the project entitled "National Grid, Proposed Liquefaction Project, 642 Allens Avenue / 121 Terminal Road, Providence, Rhode Island", sheets 1, 2, 2A, 2B, 2C, 2D, and 3 through 14 (aka sheets 1 through 18 of 18), dated October 2016, Revision 1 March 27, 2017, and Revision 2 June 28, 2018, date stamped by the Department on July 20, 2018, prepared by Sara Haupt, P.E., of GZA GeoEnvironmental, Inc. of Providence, Rhode Island. The State Water associated with this project is the Providence River, Class SB1{a}.

On January 31, 2018, a Public Hearing was held at the Veterans Memorial Auditorium in Providence to hear comments from parties interested in the above-referenced proposed natural gas liquefaction plant. The Public Hearing was offered by the Department in response to requests made in accordance with Rule 15D(3) of the Water Quality Regulations (WQR). In accordance with these requirements, a Public Notice for this Hearing was provided to all direct abutters of the subject property, those interested parties requesting the Hearing, as well as the Providence Journal and postings in multiple public spaces within the subject site vicinity. The Public Comment period was also extended through February 15, 2018 for those who may not have been able to attend the Public Hearing or otherwise provide comments

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during the public comment period.

The purpose of this Hearing was to afford interested parties an opportunity to submit data, views, arguments, orally or in writing, on the proposed project. The Hearing was recorded by a stenographer and the transcript has been submitted to the Department and added to the public file.

The Department reviewed the Public Comments related to the proposed Water Quality Certification Application filed in accordance with the RI Water Quality Regulations, the RIPDES Regulations and the Rhode Island Stormwater Design and Installation Standards Manual (RISDISM). The Public Hearing Transcript, a Response to Comments and all associated exhibits including the complete Plans and Engineering documents can be viewed on RI DEM's website at http://www.dem.ri.gov/programs/water/permits/water-quality-certification.php.

After reviewing all written and oral comments received during the comment period and at this Public Hearing, the RI DEM has responded to all significant comments related to the water quality regulations or water quality addressing all applicable and relevant comments. The Department has required the application materials to be amended as appropriate, has deemed the application complete, and has made a decision to issue a final permit.

It has been determined that this project meets the requirements of the Water Quality and RIPDES Regulations and has been reviewed consistent with the 2010 Rhode Island Stormwater Design and Installations Standards Manual (RISDISM) provided that the applicant complies with the above-referenced plans and the following conditions:

1) You **must** notify the RIDEM contact person identified below of the anticipated date of construction and your contractor's contact information, prior to any site disturbance.

2) Prior to construction, proper erosion and sedimentation controls/procedures, as identified in the above-referenced plans are installed and maintained in functional condition for the duration of the construction project.

3) Prior to construction, you **shall** erect or post a sign resistant to the weather and at least twelve (12) inches wide and (eighteen) inches long, which boldly identifies the initials "DEM" and the application number(s) assigned to this permit. The sign must be maintained at the site in a conspicuous location until such time that the project is complete.

4) A copy of this permit, any inspection records, and a signed and updated Soil Erosion and Sediment Control (SESC) Plan **must** be kept at the site at all times during site preparation, construction, and final stabilization. Copies of this permit must be made available for review by any DEM or City representative upon request.

5) All material used for fill and construction **shall** be clean and free of matter that could cause

pollution of the waters of the State.

6) The stormwater collection and treatment system approved herein is for the discharge of stormwater only. Any other discharge is prohibited.

7) This Water Quality Certificate for the construction phase of this project shall expire on November 21, 2021. Project construction is to be completed by this date. You shall be required to submit a request for any modification(s) and/or extension(s). Any such request must be submitted sufficiently in advance of the expiration date noted above.

8) Within thirty (30) days after completion, a Notice of Completion of Construction and Installation (or Notice of Termination for the CGP) confirming that construction and installation has been completed in accordance with the approved plans **shall** be submitted to the DEM Office of Water Resources. Please be aware that if modifications are made to the SESC Plan, they must be made in accordance with Part III.F, which states "The owner and operator shall amend the SESC Plan within seven (7) days whenever there is a change in design, construction, operation, maintenance or other procedure which has a significant effect on the potential for the discharge of pollutants, or if the SESC Plan proves to be ineffective in achieving its objectives." In addition, the SESC Plan shall be amended to identify any new operator that will implement a component of the SESC Plan. The amended SESC Plan must be kept on file at the construction site and any SESC Plan modifications must be documented. Any amendments to control measures which involved the practice of engineering, must first be reviewed, signed, and stamped by a Professional Engineer registered in the State of Rhode Island. The DEM reserves the right to review any SESC Plan amendments in the same manner as described in paragraph III.E. Please be aware that if modifications are necessary during the construction of the post-construction stormwater system that would affect the system's ability to meet the Standards and Performance Criteria in the Stormwater Management, Design, and Installation Rules (250-RICR-150-10-8) they must be done in accordance with Request for modification of approval shall be in accordance with §§ 1.16 and 1.17 of the Water Quality Regulations (250-RICR-150-05-1).

Please be aware that the RIDEM's Rules and Regulations Governing the Establishment of Various Fees require that RIPDES CGP permit holders to pay an Annual Fee of $100.00. An invoice will be sent to the owner on record in May/June of each year if the construction was still active as of December 31st of the previous year. The owner will be responsible for the Annual Fee until the construction activity has been completed, the site has been properly stabilized, and a completed Notice of Termination (NOT) has been received by the RIPDES Program. A copy of the NOT can be found attached to the CGP on the web page http://www.dem.ri.gov/stormwaterconstruction.

Tolling is not applicable to the Federally Authorized "Stormwater Discharge Associated with Construction Activity" CGP 2013 permit. Your authorization to discharge **expires at midnight, on September 25, 2020**. If construction and final stabilization has not been completed by that date, you must maintain coverage by re-authorizing the project in accordance with the deadlines for requesting

authorization in the re-issued CGP. The Department will notify all permittees through the public notification process as the CGP is re-issued. The final CGP will contain deadlines and instructions for re-authorization.

In addition to any necessary enforcement actions stemming from the violation of any of the terms or conditions of this Water Quality Certificate, issuance of this Water Quality Certificate does not bar the Department, or any of its various Divisions, from instituting any investigation and/or enforcement actions that it may deem necessary for violations of any and all applicable statutes, regulations and/or permits, including but not limited to violations of the terms or conditions of any previous Water Quality Certificate(s) issued to you as an applicant or for this site.

This is the State's Water Quality Certification, which shall have the full force and effect of a permit issued by the Director. Violation of the terms and conditions of this Certification may result in violation of the State's Water Quality Regulations and appropriate enforcement action.

Sincerely,

Eric Beck, P.E., Chief
Groundwater and Freshwater Wetlands Protection
Office of Water Resources

ec: Dave Reis, RI CRMC
Taylor Bell, USACOE
Igor Runge, GZA
Joseph Martella, RIDEM OWM
Susan Forcier, Esq., RIDEM OLS
Nick Pisani, RI DEM OWR
Kenneth J. Warn, FERC
Margaret S. Kilpatrick, GZA
Katie Murphy
Andrew Poyant
Eli Nixon
Jim Frain
Wassa Bagayoko
Harry August
Colin Kent Daggett
Timmons Roberts
John Gonzalez
Monica Huertas
Kenneth Payne

Taylor Ellis
Jennifer Brown
Ellen Tuzzolo
Justin Bryan
Vikki Warner
Lily Gordon
Kate Schapira
Claire Miller
Aaron Jaenig
Jeanine Calkin

Attachments:

Response to Public Comments 11-21-18

RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
235 Promenade Street, Providence, RI 02908-5767 TDD 401-222-4462

SHORT-TERM RESPONSE ACTION APPROVAL LETTER October 27, 2017
File No. SR -28-1152
Formerly Case No. 98-004

Amy A. Willoughby
Lead Environmental Scientist
New England Site Investigation & Remediation Group
National Grid
40 Sylvan Road, E3.691
Waltham, MA 02451

RE: Providence Gas Co. – AA
A.k.a. Former New England Gas Company MGP property
642 Allens Avenue, Providence, Rhode Island
Plat Map 56 / Lot 5, Plat Map 101 / Lot 1

Dear Ms. Willoughby:

As you know, Rhode Island Department of Environmental Management (DEM), Office of Waste Management (OWM) is responsible for overseeing the remediation effort at 642 Allens Avenue – specifically, the removal and containment of contaminated soil and groundwater. This property became a regulated site in DEM's Site Remediation Program due to historic releases of hazardous materials to soil and groundwater related to its former usage as a manufactured gas plant.

On November 9, 2011, OWM amended the Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases (the Remediation Regulations). The purpose of these regulations is to create an integrated program requiring reporting, investigation and remediation of contaminated sites in order to eliminate and/or control threats to human health and the environment in a timely and cost-effective manner. A Short-Term Response Action Approval Letter is a document used by the Department to approve limited phased remedial actions pursuant to Section 6.00 of the Remediation Regulations at contaminated sites that do not involve the use of complex engineered systems or techniques (i.e., groundwater pump and treat systems, soil vapor extraction systems, etc.).

In the matter of the above-referenced property, OWM is in receipt of the following final documentation submitted pursuant to the Remediation Regulations in response to the reported release at the Site:

1. Short Term Response Action Plan (STRAP), Proposed Liquefaction Project, 121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island, RIDEM Case No. 98-004 / Site Remediation File No. SR-28-1152, FERC Docket No. CP16-121-000, received by the Department on May 12, 2017, prepared by GZA Geoenvironmental, Inc. (GZA); and

2. Short Term Response Action Plan (STRAP) Addendum, Proposed Liquefaction Facility,

121 Terminal Road, RIDEM File No. SR-28-1152, RIDEM Case Number: 98-004, Providence, Rhode Island, received by the Department on October 11, 2017, and prepared by GZA.

Together these documents fulfill the requirements of Section 6.00 (Emergency or Short-term Response) of the Remediation Regulations.

The STRAP addresses remedial activities in the area of planned construction of a proposed Liquefaction Facility for the Liquefied Natural Gas (LNG) facility at the site. The STRAP describes erosion and sedimentation controls, establishment of a temporary laydown area, performance of initial subgrade remedial work, testing of and importing of clean fill materials, grading and off-Site disposal of excess regulated materials at an appropriately licensed facility. It also includes pre-clearing or pre-drilling of selected piles, which requires management of excess impacted soil and groundwater during earthwork activities, which will ultimately raise the majority of the STRAP area approximately 9 to 11 feet above existing grade. Finally, the STRAP describes installation of a variety of Department approved engineered caps, and restoration activities (fencing, gate installation and monitoring well re-installation), which are required under the Remediation Regulations.

The five (5) Department approved engineered caps include a Crushed Stone Soil Engineered Cap consisting of at least 18-inches of processed gravel, sand or other imported tested clean fill base, overlain with at least 6-inches of imported 2-inch crushed stone; a Concrete Engineered Cap consisting of at least 6-inches of processed gravel, sand or other imported tested clean fill base, overlain with at least 4-inches of concrete; an Asphalt Engineered Cap (New Paving) consisting of at least 6-inches of processed gravel, sand or other imported tested clean fill base, overlain with at least 4-inches of asphalt; a Rip-Rap Engineered Cap consisting of a non-woven geotextile, overlain with at least 12-inches of imported Rip-Rap; and a Sand Filter Engineered Cap consisting of a Linear Low Density Polyethylene (LLDPE) liner system, overlain by a minimum of 12-inches of 3/8 inch peastone, overlain by a non-woven geotextile, overlain with at least 18-inches of clean imported C-33 sand. All areas disturbed by the proposed STRAP activities shall be restored with a Department approved engineered cap consistent with those listed above. Any remaining areas within the Project Work Site, which do not currently have an existing equivalent cap, and are not subject to proposed capping during STRAP activities, shall be subject to remediation under the future Site Investigation Report (SIR) Addendum for the remainder of the Site.

Management of stormwater runoff generated from the new impervious areas shall be treated via a forebay and lined sand filter system designed and installed in accordance with the Rhode Island Stormwater Design and Installation Standards Manual (RISDISM). There shall be no infiltration of stormwater from the system into Site soils under the STRAP. A final stormwater outfall shall discharge to the Providence River. All collected groundwater shall be containerized into fractionation tanks, stored in the soil and groundwater management area, and shall be disposed/recycled off-Site at a licensed and permitted disposal/recycling facility.

An estimated 2,988 cubic yards of excess regulated soil materials will be removed to facilitate installation of piles and utilities. Excess regulated soils shall be temporarily stored in the soil and groundwater management area on at least two (2) layers of polyethylene sheeting and covered with

a layer of polyethylene sheeting to control the generation of wind-blown dusts and potential migration of soils with stormwater runoff. All stockpile areas shall be equipped with appropriate controls to limit the loss of the cover and protect against storm water erosion. Any soils which exhibit excessive visual or olfactory evidence of impact, evidence of free non-aqueous phase liquid (NAPL), or elevated total volatile organic compound (TVOC) headspace screening via a photoionization detector (PID), shall be segregated and stockpiled separately for off-Site disposal/recycling at a permitted/licensed facility and shall be kept in designated, separate piles from other Site soils that may be reused under the engineered cap. Excess regulated soils which do not exhibit excessive visual or olfactory evidence of impact, evidence of free NAPL, or elevated TVOC headspace screening may be reused on Site only under an engineered cap in the STRAP area. All excess soil materials not reused under an engineered cap shall be disposed of off-Site at a licensed and permitted facility.

During all STRAP earthwork activities, best management practices (BMPs) shall be implemented for dust, odor & organic vapor control, including performance of an Air Monitoring Program (AMP). The AMP shall include three (3) unmanned continuous air monitoring stations located along the perimeter of the STRAP area positioned in the direction of the nearest potential receptors, as well as real-time monitoring utilizing portable instrumentation, including a PID MiniRAE to measure TVOCs, and a DustTRAK Dust Meter to sense airborne respirable particulate dust. If readings above the action levels for TVOCs or dust are encountered and exceeded at sustained levels for a period of 5 minutes at the perimeter locations, the likely source of exceedance shall immediately be evaluated, and if determined that the source is the actual work, Site personnel shall implement appropriate engineering controls and/or modify work practices to address exceedances, including stopping the work as necessary until exceedances are controlled. Results of the air monitoring shall be provided to the Department on a weekly basis in an air monitoring summary report suitable for web posting. In the event of any sustained perimeter exceedance, the weekly summary report shall include information regarding the date/time of exceedance, nature of exceedance, field measures/work practice modifications implemented in response to the exceedance, and how the causes were controlled and/or finally resolved.

At this time, the OWM offers its concurrence with the proposed remedial action for the property. The OWM approves the STRAP provided that all activities and procedures detailed in the STRAP are strictly adhered to. Furthermore, this letter continues to place primary responsibility for the construction, operation, maintenance, and monitoring of the approved STRAP and its associated implementation on National Grid. As the Responsible Party and Performing Party, National Grid is expected to implement the STRAP in an expeditious and professional manner that prevents non-compliance with this Short-Term Response Action Approval Letter and said STRAP, and is protective of human health and the environment.

The Performing Party shall notify all abutting property owners, tenants, easement holders, the municipality, and any community well suppliers associated with any well head protection areas which encircle the site, that the Short-Term Remedial Action is complete and make available to them the findings of the Short-Term Response Report submitted in accordance with Rule 6.06 II of the Remediation Regulations. Please submit a draft notification to the Department via E-mail for review and approval prior to distribution.

Within thirty (30) days of completion of all the above mentioned remedial work outlined in the STRAP, please submit a STRA Closure Report in accordance with Rule 6.09 inclusive of any disposal documentation and laboratory sampling analysis to the OWM for review and approval.

This Short-Term Response Action Approval Letter does not remove your obligation to obtain any other necessary permits from other local, State, or Federal agencies. The OWM shall require at least forty-eight (48) hours notice in advance of any remedial work.

If you have any questions regarding this letter or would like the opportunity to meet with Department personnel, please contact me by telephone at (401) 222-2797, ext. 7109, or by E-mail at joseph.martella@dem.ri.gov.

Sincerely,

Joseph T. Martella II
Senior Engineer
Office of Waste Management

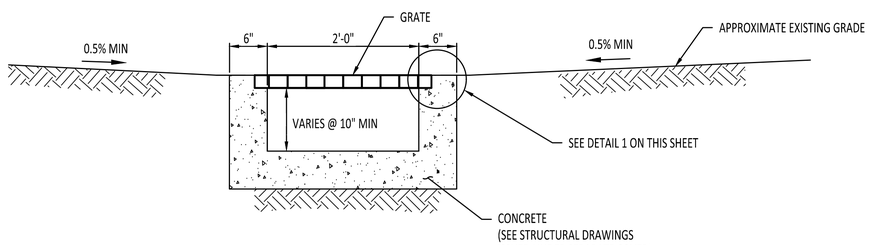
Authorized by,

Kelly J. Owens
Supervising Engineer
Office of Waste Management

cc: Ronald Gagnon, RIDEM/OCTA
Susan Forcier, Esq., RIDEM/OLS
Neal Personeus, RIDEM/OWR
Gregory Swift, RIDEM/OWR
Ruth Gold, RIDEM/OAR
Barbara Morin, RIDOH/Center for Healthy Homes & Environment
Jeffrey Willis, RI CRMC
Dave Reis, RI CRMC
Kenneth J. Warn, FERC
Robert E. Azar, Providence Planning and Development
Dania Alejandra Flores-Heagney, EJLRI
Robin L. Main, Esq., Hinckley Allen
Margaret S. Kilpatrick, GZA

APPENDIX D

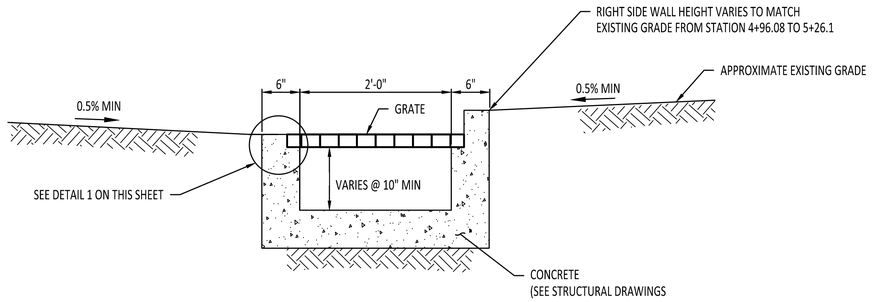
AS-BUILT CONDITION PLANS



CONCRETE TRENCH TYPICAL SECTION

A SECTION

SCALE: 1" = 1'



CONCRETE TRENCH TYPICAL SECTION

A2 SECTION

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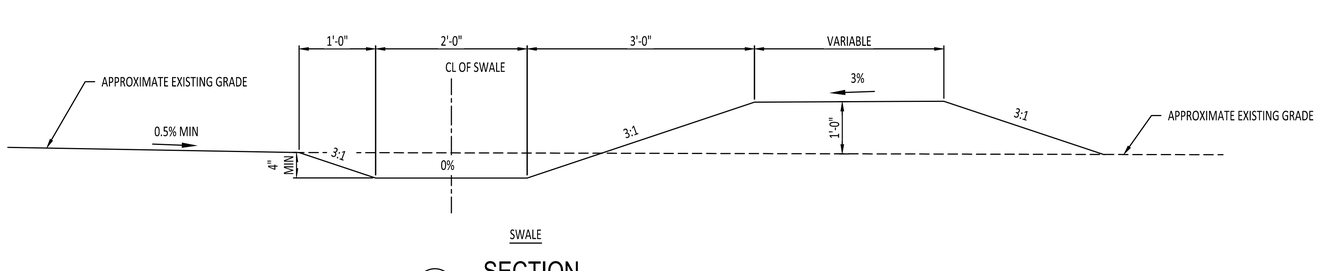

SWALE

B SECTION

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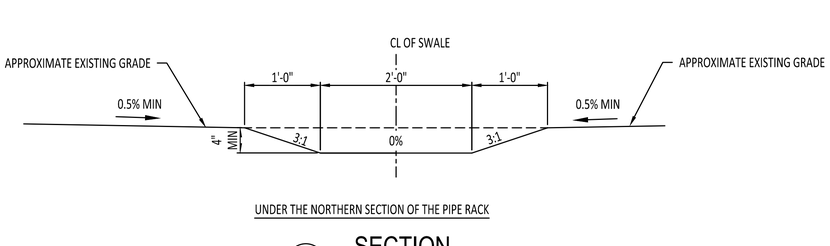
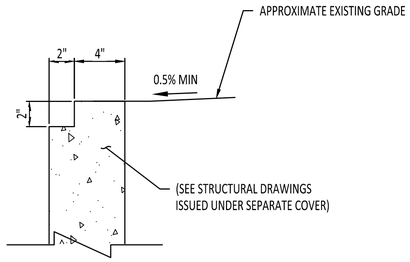


UNDER THE NORTHERN SECTION OF THE PIPE RACK

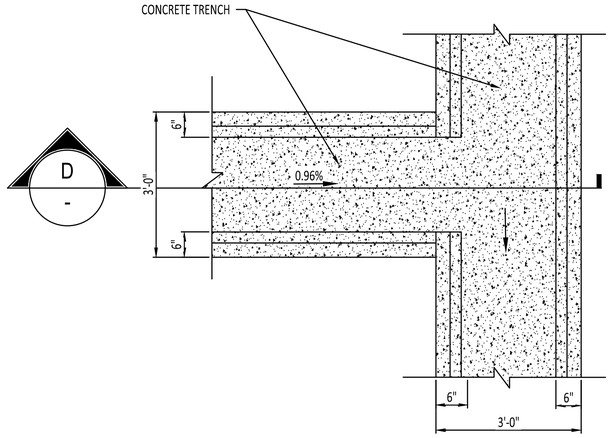
C SECTION

SCALE: 1" = 1'



1 DETAIL

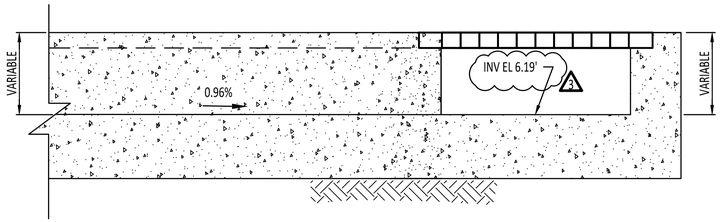
NTS



TRENCHES CONNECTION

2 DETAIL

NTS



D SECTION

SCALE: 1" = 1'

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REV	DATE	REVISION INFORMATION	BY	CHK	APP.
1	09/15/22	AS-BUILT	AQ	JZ	JG
0	08/18/20	ISSUED FOR CONSTRUCTION	AQ	AT	JG
B	08/12/20	ISSUED FOR APPROVAL	AQ	AT	JG
A	08/05/20	ISSUED FOR REVIEW	AQ	AT	JG

GENERAL NOTES AND COMMENTS:

- LEVATIONS WERE UPDATED BASED ON THE AS-BUILT DOCUMENT 3962 AREA J TRENCH ASB3 8-10-2022. 1

nationalgrid

Kiewit
Kiewit Engineering Group, Inc.
Oil, Gas & Chemical

SEAL AND STAMP:
JAGANNATH GHIMIRE
No. 12687
REGISTERED PROFESSIONAL ENGINEER
CIVIL

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER AND RESPONSIBLE CHARGE ENGINEER AT KIEWIT ENGINEERING GROUP INC. (PC 0000008-COA) UNDER THE LAWS OF THE STATE OF RHODE ISLAND.
LICENSE NO. 12687
EXPIRATION DATE: 06/30/2023

ENG/DESIGN ORIG:	J. ZAMUDIO
LEAD ENG:	J. GHIMIRE
ENG. MGR:	M. VICEDOMINE
PROJ. MGR:	N. DOUCE

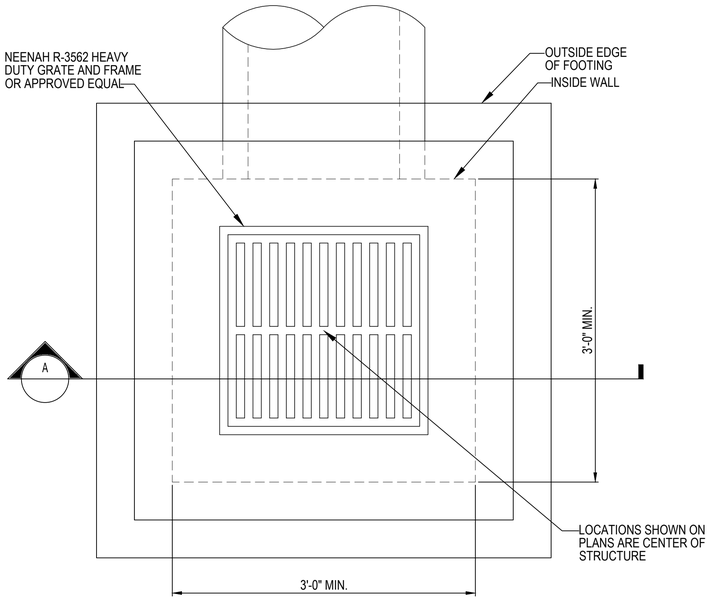
NATIONAL GRID LNG LLC

FIELDS POINT LIQUEFACTION PROJECT_AREA J

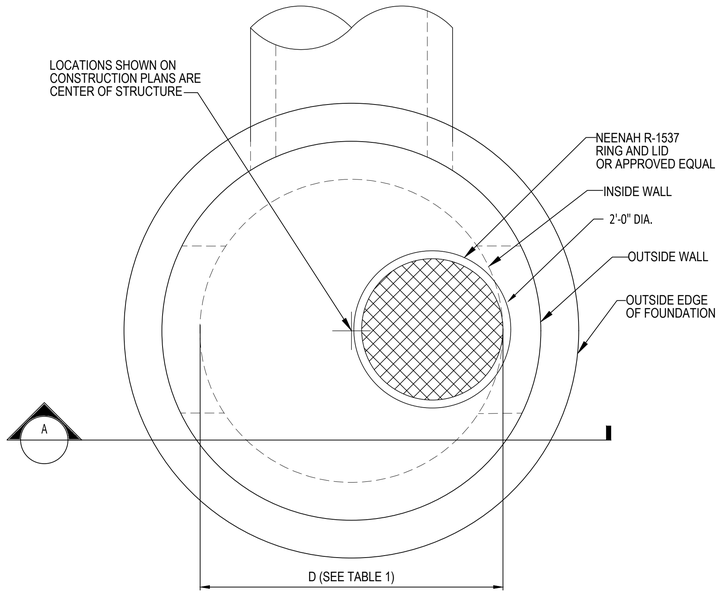
SECTIONS AND DETAILS

DRAWING NO:	SHT:	REV.
102761-B-00-0000-CIV-CD-1001	1 OF 1	1

SEP 15, 2022 - 6:58pm DRAWING NAME: H:\1Projects\NGUS\20011628_FieldsPoint\DES\Civ\Civil Drawings\DWG\AREA J SUMP_DWG\102761-B-00-0000-CIV-CD-1001_SECTION AND DETAILS.dwg



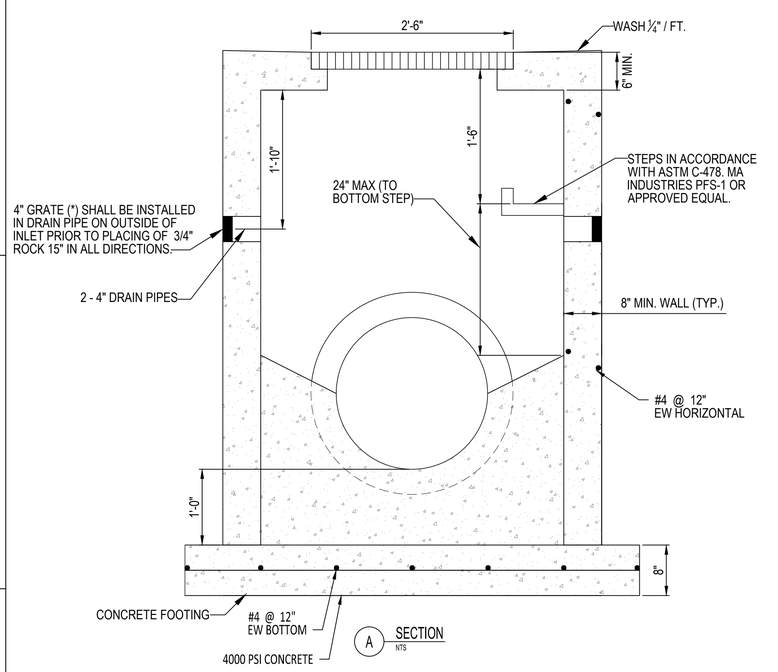
PLAN
NTS



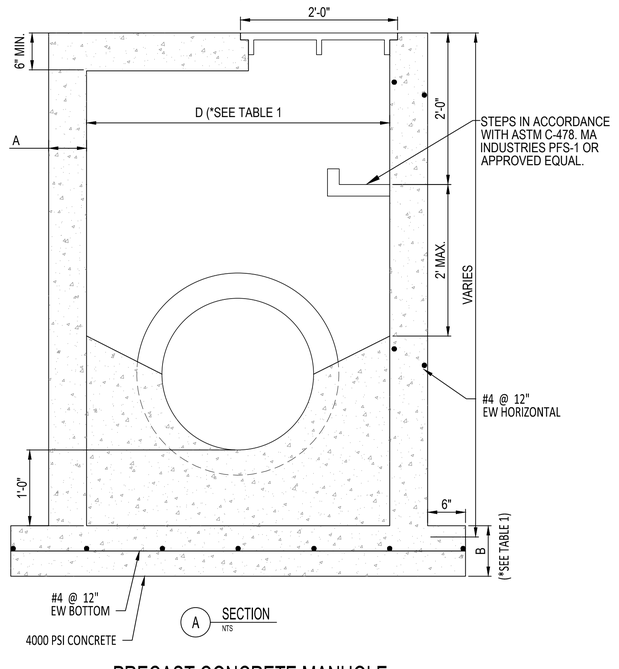
PLAN
NTS

PRE-CAST STORM STRUCTURE NOTES:

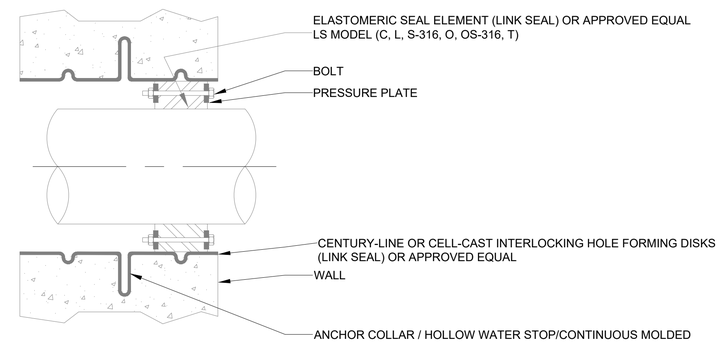
1. ALL STORM SEWER STRUCTURES SHALL BE PRE-CAST.
2. PRE-CAST SHOP DRAWINGS ARE TO BE APPROVED BY THE ENGINEER.
3. DO NOT SCALE THESE DRAWINGS FOR DIMENSIONS OR CLEARANCES. ANY QUESTIONS REGARDING DIMENSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION.
4. ALL CONCRETE SHALL BE 4000 PSI.
5. EXPANSION JOINTS SHALL BE EITHER HOT OR COLD POURED JOINT SEALING COMPOUND, OR PRE-MOLDED EXPANSION JOINT FILLER.
6. STEEL INLET FRAME SPACERS SHALL BE PLACED AT EQUAL SPACING NOT TO EXCEED 4'-0".
7. PLASTIC COATED STEPS MAY BE M.A. INDUSTRIES, INC. NO PS1-PF, OR APPROVED STEPS SHALL BE SPACED AT 1'-4" OC VERTICALLY. THE DISTANCE FROM THE LAST STEP TO THE TOP OF THE CONCRETE INVERT SHOULD BE A MAXIMUM OF 24".
8. BACKFILL AROUND STRUCTURES SHALL BE COMPACTED PER GEOTECHNICAL REPORT REQUIREMENTS.
9. PLACE PIPE END FLUSH WITH STRUCTURE FACE AND FINISH WITH MORTAR.
10. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I STANDARD SPECIFICATIONS.
11. INLET FLOORS SHALL BE SHAPED WITH NON-REINFORCED CONCRETE. INVERTS TO PROVIDE SMOOTH FLOW.
12. BEVEL ALL EXPOSED EDGES WITH 3/4" CHAMFER STRIP.
13. PIPE CONNECTIONS TO PRE-CAST STRUCTURES SHALL HAVE A MINIMUM OF 6" OF CONCRETE AROUND THE ENTIRE PIPE WITHIN 2'-0" OF THE STRUCTURE.
14. THE FOLLOWING SHALL BE STENCILED USING 2" HIGH LETTERS AND BLACK PAINT ON THE TOP OF THE INLET (EITHER SIDE): NO DUMPING DRAINS TO STREAM.
15. PRE-CAST STORM SEWER STRUCTURES SHALL MEET THE REQUIREMENTS OF ASTM C478 AND ASTM 890.
16. POINTS OF ATTACHMENT PROVIDED FOR LIFTING PRECAST TOPS SHALL NOT BE LOCATED ON THE TOP SIDE OF INLET TOP.
17. HDPE: PIPE - 4" HDPE MEETING AASHTO M252, TYPE S; GRATE - 4" HDPE - MEETS ASTM D-3350;MAXIMUM OPENING SIZE 1/4".
18. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNUEMATIC TOOLS WILL BE ALLOWED.
19. THE CENTERLINE OF THE OPENING MUST BE WITHIN 2'-0" FROM THE STEPS.
20. TOP SLAB, RISER AND BASE SECTIONS HAVE BEEN REINFORCED TO MEET OR EXCEED H-20 OR HS-20 LOADING WITH EARTH PRESSURES INCLUDED. THIS IMPLIES THAT THE TOP SLAB, RISER AND BASE SECTIONS ARE DESIGNED FOR AXLE LOAD OF NO GREATER THAN 20 TONS. ALL STRUCTURES SHALL BE DESIGNED FOR AASHTO HS-20 LOADING.
21. THERE IS TO BE 2" MINIMUM COVER ON ALL REBAR.
22. ALL REBARS ARE TO HAVE MINIMUM 2" CLEARANCE FROM OPENINGS.
23. LINK-SEAL SHALL BE INSTALLED PER LINK-SEAL STANDARD SPECIFICATIONS.



PRECAST CONCRETE GRATE INLET
NTS



PRECAST CONCRETE MANHOLE
NTS



LS Model	Seal Element	Bolts/Nuts	Pressure Plate
C	EPDM (Black)	Zinc Dichromate/Organic Coated Carbon Steel Bolt	Reinforced Nylon Polymer
L	EPDM (Blue)	Zinc Dichromate/Organic Coated Carbon Steel Bolt	Reinforced Nylon Polymer
O	Nitrile	Zinc Dichromate/Organic Coated Carbon Steel Bolt	Reinforced Nylon Polymer
T	Silicone	Zinc Dichromate/Organic Coated Carbon Steel Bolt	Steel Zinc Dichromate
(C,L,O)+S-316	(see model options)	316 Stainless Steel	Reinforced Nylon Polymer

Sleeve Model	Description	Material
CS	Century-Line Sleeve	HDPE
CC	Cell-Cast Interlock Hole. Forming Disk	Plastic

For more Material Property Information, see literature at www.linkseal.com

WALL PENETRATION SEAL DETAIL
NTS

TABLE 1			
DIAMETER (D)	A	B	CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED*
4' - 0"	5"	6"	0.12 SQ. IN./LIN. FT.
5' - 0"	6"	7"	0.15 SQ. IN./LIN. FT.

* FOR LONGITUDINAL (VERTICAL STANDING) REINFORCEMENT REFER TO ASTM C47B, ITEM 8.1.2

MANHOLE DATA TABLE
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REV	DATE	REVISION INFORMATION	BY	CHK	APP.
02	09/15/22	AS-BUILT	AQ	JZ	JG
01	10/09/19	ISSUED FOR CONSTRUCTION	MO	JZ	JG
00	01/28/19	ISSUED FOR CONSTRUCTION	SMG	SV	JG

GENERAL NOTES AND COMMENTS:

nationalgrid

Kiewit Engineering Group, Inc. Oil, Gas & Chemical

SEAL AND STAMP:

JAGANNATH GHIMIRE
No. 12687
REGISTERED PROFESSIONAL ENGINEER
CIVIL

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER AND RESPONSIBLE CHARGE ENGINEER AT KIEWIT ENGINEERING GROUP INC (PE.0005999-COA) UNDER THE LAWS OF THE STATE OF RHODE ISLAND.

LICENSE NO.: 12687
EXPIRATION DATE : 06/30/2023

ENG/DESIGN ORIG:	J. ZAMUDIO
LEAD ENG:	J. GHIMIRE
ENG. MGR:	M.VICEDOMINE
PROJ. MGR:	N. DOUCE

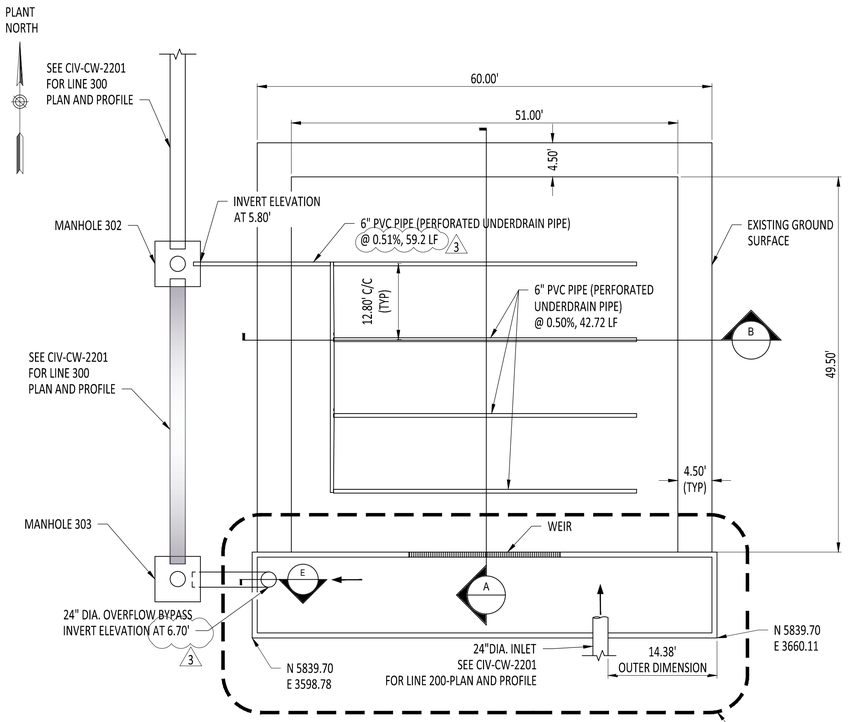
NATIONAL GRID LNG LLC

FIELDS POINT LIQUEFACTION PROJECT

STORM WATER DETAILS

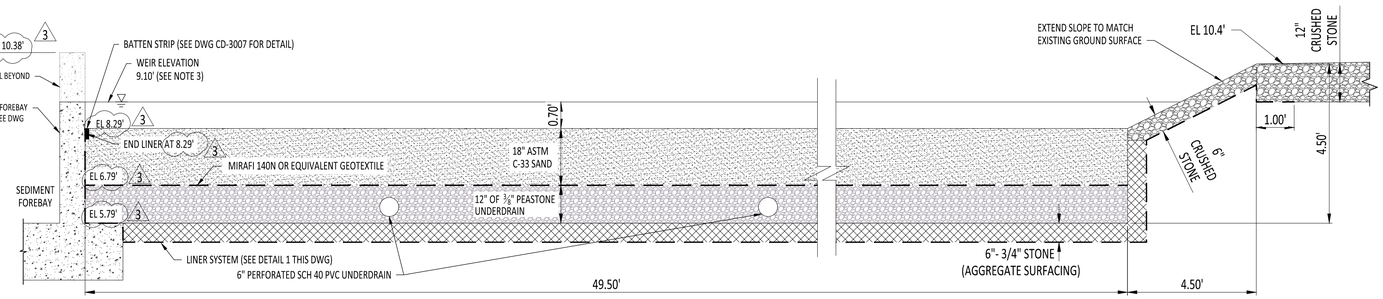
DRAWING NO:	SHT:	REV.
102761-B-00-0000-CIV-CD-3004	1 OF 1	02

SEP 15, 2022 - 8:10pm DRAWING NAME: H:\Projects\NGUS\20011628_FieldsPoint\DES\CIV\Civil Drawings\DWG\CIVIL DWGS\102761-B-00-0000-CIV-CD-3004_STORM WATER DETAIL-1-31-19.dwg



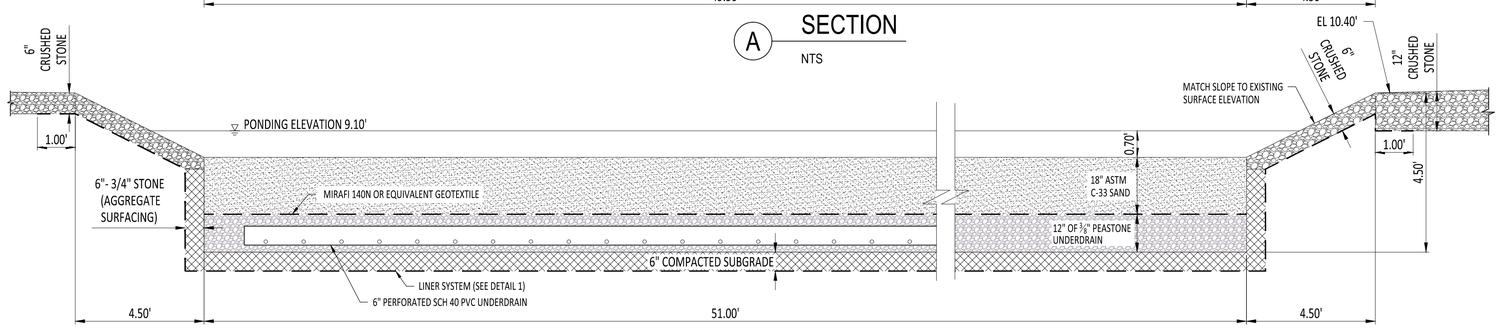
SEDIMENT FOREBAY AND SAND FILTER PLAN

SCALE: NTS



A SECTION

NTS



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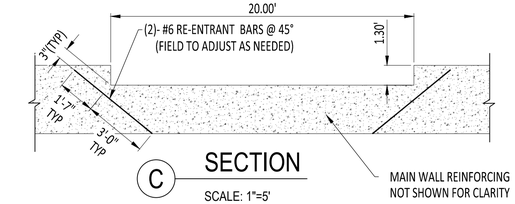
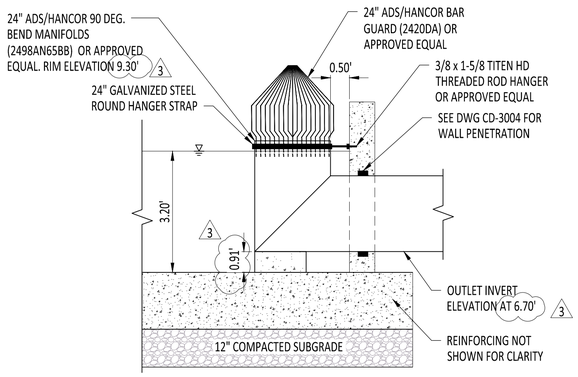
NTS



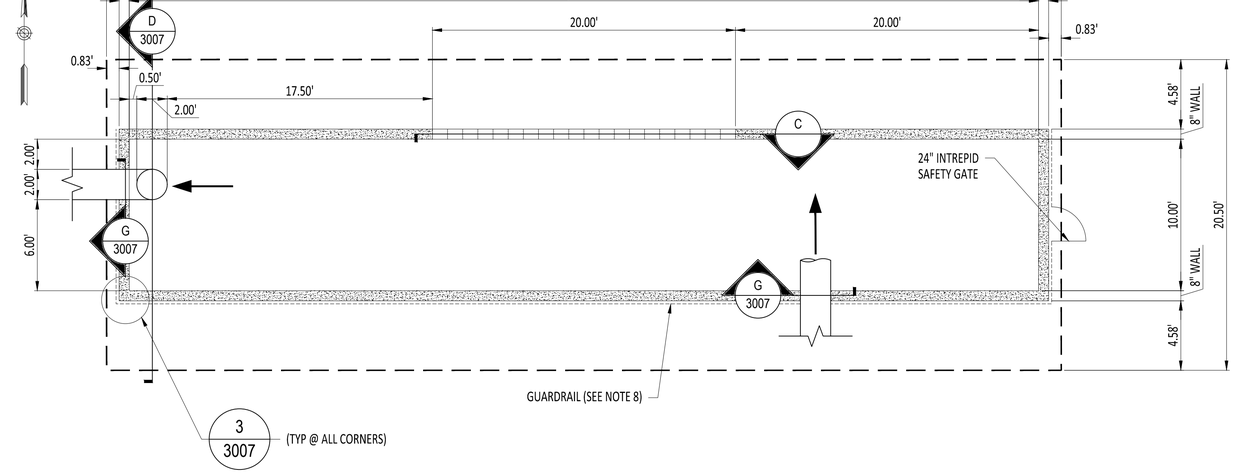
C SECTION

SCALE: 1"=5'



E SECTION

SCALE: 1"=2'



SEDIMENT FOREBAY PLAN

SCALE: 1"=10'

1 LINER DETAIL

NTS

NOTES:

1. SEE CIV -CN-0002 FOR GENERAL NOTES, ABBREVIATIONS, AND SURVEY CONTROL INFORMATION.
2. SIZE WIDTH OF WEIR BASED ON WATER QUALITY PEAK FLOW RATE.
3. SEE CIV-CW-2201 FOR THE STORM PLAN AND PROFILES ENTERING AND EXITING THE SAND FILTER/FOREBAY.
4. REFER TO DRAWINGS 102761-B-00-0000-STR-SN-0001 THROUGH 0005 FOR STRUCTURAL GENERAL NOTES, STRUCTURAL GENERAL NOTES FOR CONCRETE AND STEEL, LEGENDS AND ABBREVIATIONS, AND SPECIAL INSPECTIONS.
5. ALL COORDINATES ARE IN FEET, ELEVATIONS IN FT-IN. COORDINATES AND ELEVATIONS ARE BASED ON CONTROL POINTS LISTED ON DRAWINGS 102761-B-00-0000-CIV-CN-0002.
6. LOCATION OF EXISTING UTILITIES AND FOUNDATIONS SHALL BE CONFIRMED PRIOR TO INSTALLATION OF FOUNDATION.
7. REFER TO MECHANICAL, PIPING, ELECTRICAL AND CIVIL UNDERGROUND DRAWINGS FOR LOCATION OF UNDERGROUND UTILITIES TO BE PLACED PRIOR TO INSTALLATION OF FOUNDATION.
8. FOR ANGLE GUARD DETAILS, REFER TO DRAWING 102761-B-00-0000-STR-ST-3026 TROUGH ST-3028. FOR GUARDRAIL TO CONCRETE CONNECTION DETAILS, REFER TO DETAIL 1 IN DWG CD-3007.
9. GUARDRAIL POST INSTALLED ANCHOR ROD ASSEMBLIES SHALL INCLUDE (1) ASTM F436 CIRCULAR TYPE 1WASHER, AND ONE (1) ASTM A563 GR. A HEAVY HEX HEAD NUT. POST-INSTALLED ANCHOR RODS SHALL BE DRILLED AND EPOXIED USING HILTI HIT HY-200 ADHESIVE ANCHORING SYSTEM. INSTALLATIONS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. FIELD TO VERIFY ANCHOR ROD LOCATION PRIOR TO INSTALLATION.
10. CONCRETE MIX DESIGN SHALL BE CLASS "I-C" AS PER ATTACHMENT 2 ON SPECIFICATION 102761-B-STR-SPC-0024.
11. CONCRETE QUANTITY (5000PSI) = 115 CY.

REV	DATE	REVISION INFORMATION	BY	CHK	APP.
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02	08/30/21	ISSUED FOR CONSTRUCTION	AQ	AT	JG
01	06/24/21	ISSUED FOR CONSTRUCTION	AQ	AT	JG
00A	09/06/19	ISSUED FOR APPROVAL	MO	JZ	JG

GENERAL NOTES AND COMMENTS:

- ELEVATIONS WERE UPDATED BASED ON THE AS-BUILT DOCUMENT 3962 DRAINAGE AS-BUILT UPD3. 4

nationalgrid

Kiewit Engineering Group, Inc. Oil, Gas & Chemical

SEAL AND STAMP

JAGANNATH GHIMIRE No. 12687 REGISTERED PROFESSIONAL ENGINEER CIVIL

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LICENSE NO.: 12687
EXPIRATION DATE : 06/30/2023

ENG/DESIGN ORIG:	J. ZAMUDIO
LEAD ENG:	J. GHIMIRE
ENG. MGR:	M. VICEDOMINE
PROJ. MGR:	N. DOUCE

NATIONAL GRID LNG LLC

FIELDS POINT LIQUEFACTION PROJECT

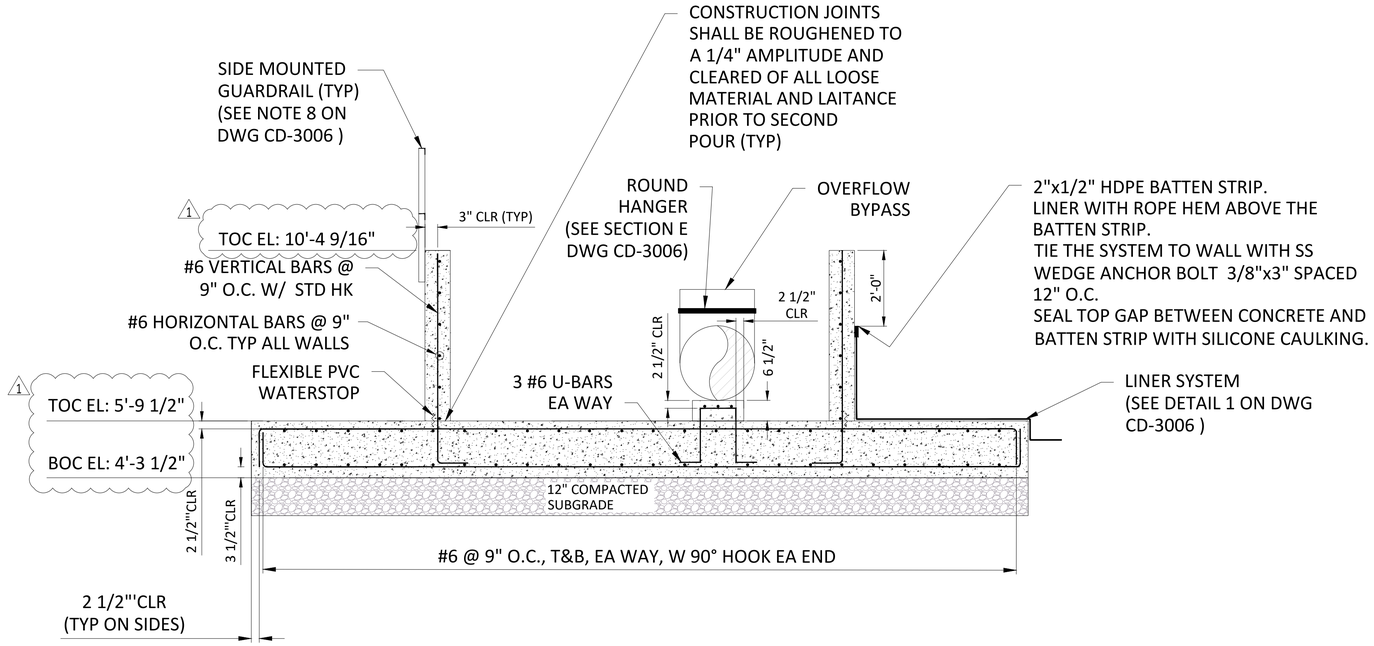
STORM WATER DETAILS

DRAWING NO:	SHT:	REV.
102761-B-00-0000-CIV-CD-3006	1 OF 1	03

CONFIDENTIAL

THESE DRAWINGS ARE CONFIDENTIAL IN NATURE. ANY MISUSE OR UNAUTHORIZED DISTRIBUTION OF THE DRAWINGS CONTAINED HEREIN WILL BE A VIOLATION OF THIS CONFIDENTIALITY REQUIREMENT AND SUBJECT THE VIOLATOR TO LIABILITY. REVIEW OF THESE MATERIALS BY RECIPIENT SHALL CONSTITUTE AN ACCEPTANCE OF THESE TERMS AND THE TERMS OF ANY UNDERLYING CONFIDENTIALITY AGREEMENT WE MAY HAVE EXECUTED IN OBTAINING THIS INFORMATION FROM A THIRD PARTY. IF THE RECIPIENT IS NOT IN AGREEMENT WITH THE OBLIGATION OF CONFIDENTIALITY THEN THE DRAWINGS SHALL BE RETURNED TO THE ORGINATOR.

SEP 15, 2022 - 6:47pm DRAWING NAME: H:\1Projects\NGUS\20011628_FieldsPoint\DES\Civ\Civil Drawings\DWG\CIVIL DWGS\102761-B-00-0000-CIV-CD-3006-SAND FILTER DETAILS.dwg

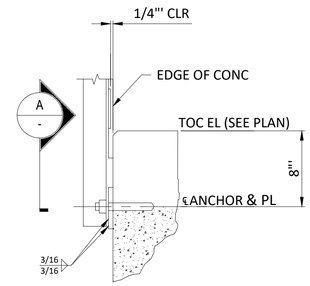


D SECTION

SCALE: 1/2"=1'

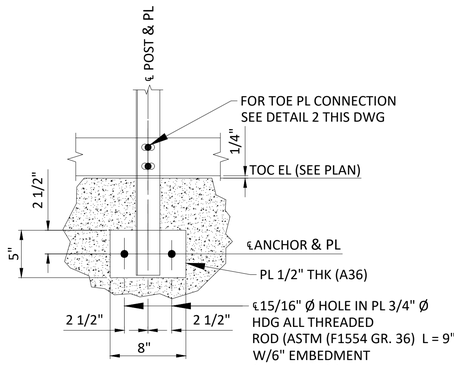
NOTES:

1. FOR PLANS, SECTION, NOTES AND DETAILS, REFER TO DRAWING 102761-B-00-0000-CIV-CD-3006



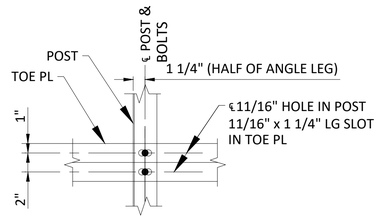
1 HR POST TO CONC CONNECTION DETAIL

SCALE: 1-1/2"=1'



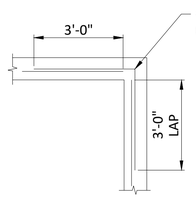
A SECTION

SCALE: 1-1/2"=1'



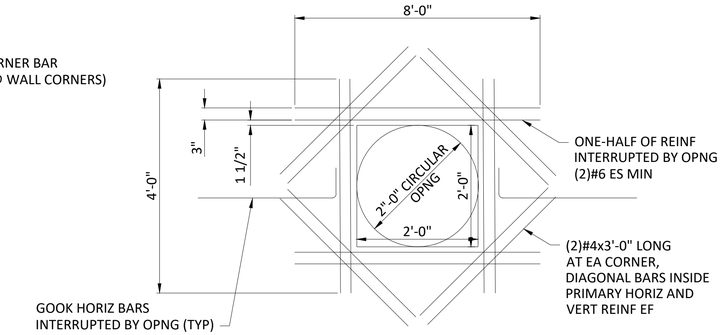
2 TOE PLATE TO POST CONNECTION DETAIL

SCALE: 1-1/2"=1'



3 DETAIL

SCALE: NTS



G SECTION

SCALE: NTS

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REV	DATE	REVISION INFORMATION	BY	CHK	APP.
01	09/15/22	AS-BUILT	AQ	JZ	JG
00	06/25/21	ISSUED FOR CONSTRUCTION	HFL	RAA	JNG
B	05/19/21	ISSUED FOR APPROVAL	HFL	RAA	JNG
A	05/07/21	ISSUED FOR INTERNAL REVIEW	RNH	RAA	JNG

GENERAL NOTES AND COMMENTS:

- ELEVATIONS WERE UPDATED BASED ON THE AS-BUILT DOCUMENT 3962 DRAINAGE AS-BUILT UPD3. 4

nationalgrid

Kiewit Engineering Group, Inc. Oil, Gas & Chemical

JAGANNATH GHIMIRE No. 12687 REGISTERED PROFESSIONAL ENGINEER CIVIL

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER AND RESPONSIBLE CHARGE/PROJECT ENGINEER AT KIEWIT ENGINEERING GROUP INC (PE.0005999—COA) UNDER THE LAWS OF THE STATE OF RHODE ISLAND.

LICENSE NO.: 12687
EXPIRATION DATE: 06/30/2023

ENG/DESIGN ORIG:	J. ZAMUDIO
LEAD ENG:	J. GHIMIRE
ENG. MGR:	M. VICEDOMINI
PROJ. MGR:	N. DOUCE

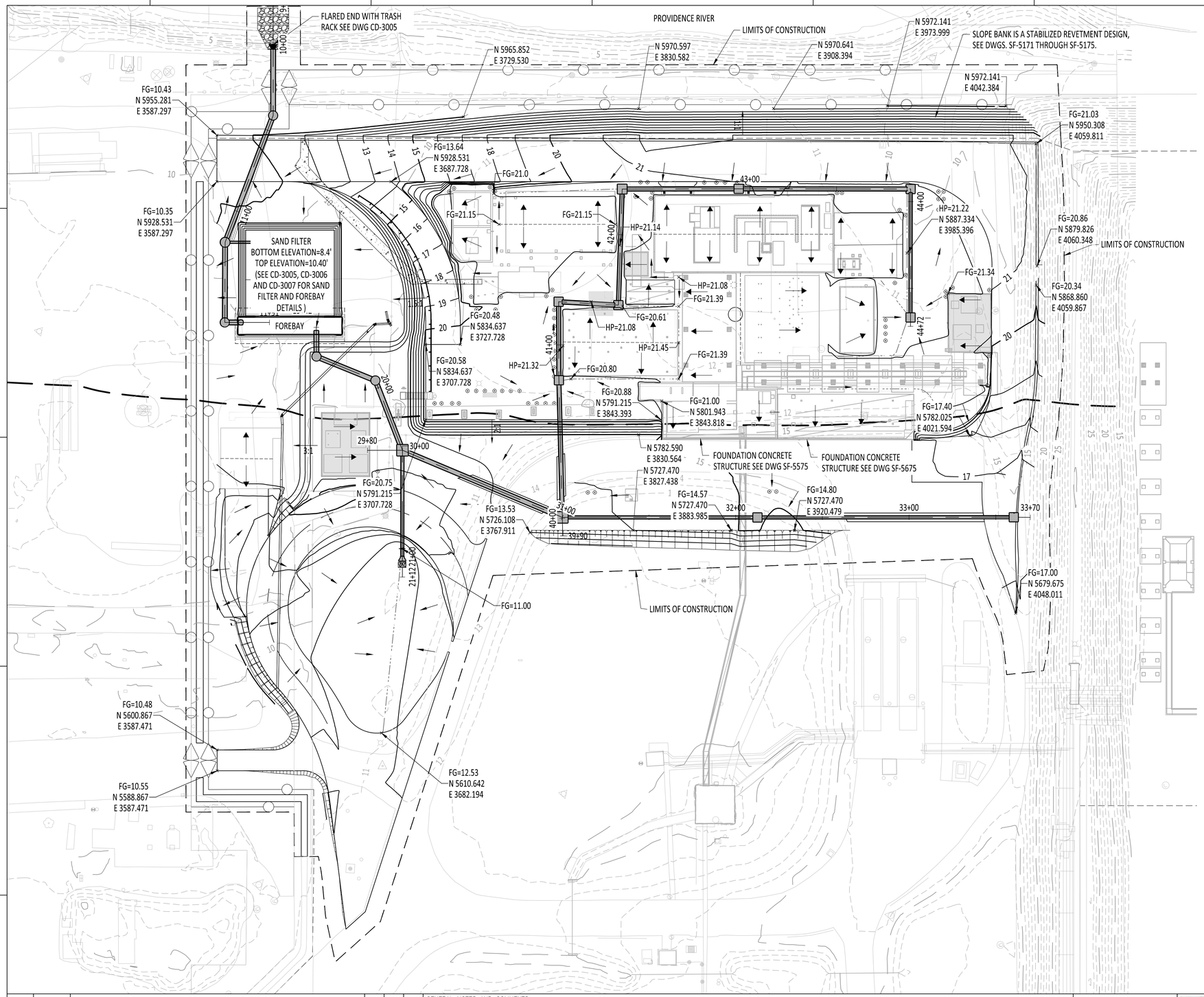
NATIONAL GRID LNG LLC

FIELDS POINT LIQUEFACTION PROJECT

FOREBAY STRUCTURAL DETAILS

DRAWING NO:	SHT:	REV.
102761-B-00-0000-CIV-CD-3007	1 OF 1	01

SEP 15, 2022 - 6:45pm DRAWING NAME: H:\1Projects\NGUS\20011628_FieldsPoint\DES\CIV\Civil Drawings\DWG\CIVIL DWGS\102761-B-00-0000-CIV-CD-3007-STORM WATER DETAIL.dwg

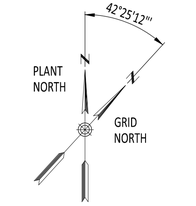


NOTES:

1. ALL CONTOURS AND SPOT ELEVATIONS SHOWN REPRESENT THE FINISH GRADE ELEVATION.
2. STRUCTURES SHOWN ARE FOR REFERENCE ONLY, REFER TO STRUCTURAL DRAWINGS FOR TOP OF CONCRETE, DRAINAGE SLOPES AND DETAILED DESIGN INFORMATION.
3. REFER TO DWG CT-2660 FOR INFORMATION ON COORDINATE SYSTEM, ELEVATION DATUM AND SURVEY MONUMENTS.
4. CAUTION - ALL EXISTING AND PROPOSED UTILITIES ARE NOT SHOWN. CONTRACTOR TO VERIFY LOCATION PRIOR TO EXCAVATION.
5. REFER TO GEOTECHNICAL INVESTIGATION PROVIDED BY WAI FOR EXISTING SOIL CONDITIONS.
6. REFER TO EARTHWORK SPECIFICATION 93.51.06 FOR MATERIALS AND EXECUTION INFORMATION.
7. REFER TO STORM WATER MANAGEMENT PLAN (SWMP) AND SOIL EROSION & SEDIMENT CONTROL (SESC) PLAN, FOR SITE EROSION CONTROL MEASURES.
8. REFER TO CN-0002 FOR LEGEND AND ABBREVIATIONS.
9. FOR STORM WATER SEE DWGS. CW-2200 THROUGH CW-2203.
10. FOR SURFACING SEE DWGS. CS-2400.
11. FOR ROADWAY PLAN AND PROFILES SEE DWGS. CX-2300 TO CX-2302.

LEGEND

- EXISTING CONTOUR MAJOR (FOOT INTERVAL)
- EXISTING CONTOUR MINOR (FOOT INTERVAL)
- PROPOSED CONTOUR MAJOR (FOOT INTERVAL)
- PROPOSED CONTOUR MINOR (FOOT INTERVAL)
- PROPOSED CATCH BASIN
- PROPOSED UNDERGROUND DRAINAGE PIPE
- PROPOSED FLOW DIRECTION
- PROPOSED CONCRETE & BUILDING STRUCTURES
- PROPESED FENCE
- CONSTRUCTION LIMITS



30 0 30 60
SCALE IN FEET
SCALE: 1" = 30'-0"

CONFIDENTIAL
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02	09/15/22	AS-BUILT	AQ	JZ	JG
01	10/03/19	ISSUED FOR CONSTRUCTION	MO	JZ	JG
00	01/31/19	ISSUED FOR CONSTRUCTION	SMG	SV	JG

GENERAL NOTES AND COMMENTS:

ELEVATIONS WERE UPDATED BASED ON THE AS-BUILT DOCUMENTS
- KIEWIT AB GRADES 081522 KW.
- 3962 KIEWIT AB ROAD 081522.

2

nationalgrid

Kiewit
Kiewit Engineering Group, Inc.
Oil, Gas & Chemical

JAGANNATH GHIMIRE
No. 12687
REGISTERED PROFESSIONAL ENGINEER
CIVIL

PROFESSIONAL CERTIFICATION:
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LICENSE NO. 12687
EXPIRATION DATE: 06/30/2023

ENG/DESIGN ORIG:	J. ZAMUDIO
LEAD ENG:	J. GHIMIRE
ENG. MGR:	M. VICEDOMINE
PROJ. MGR:	N. DOUCE

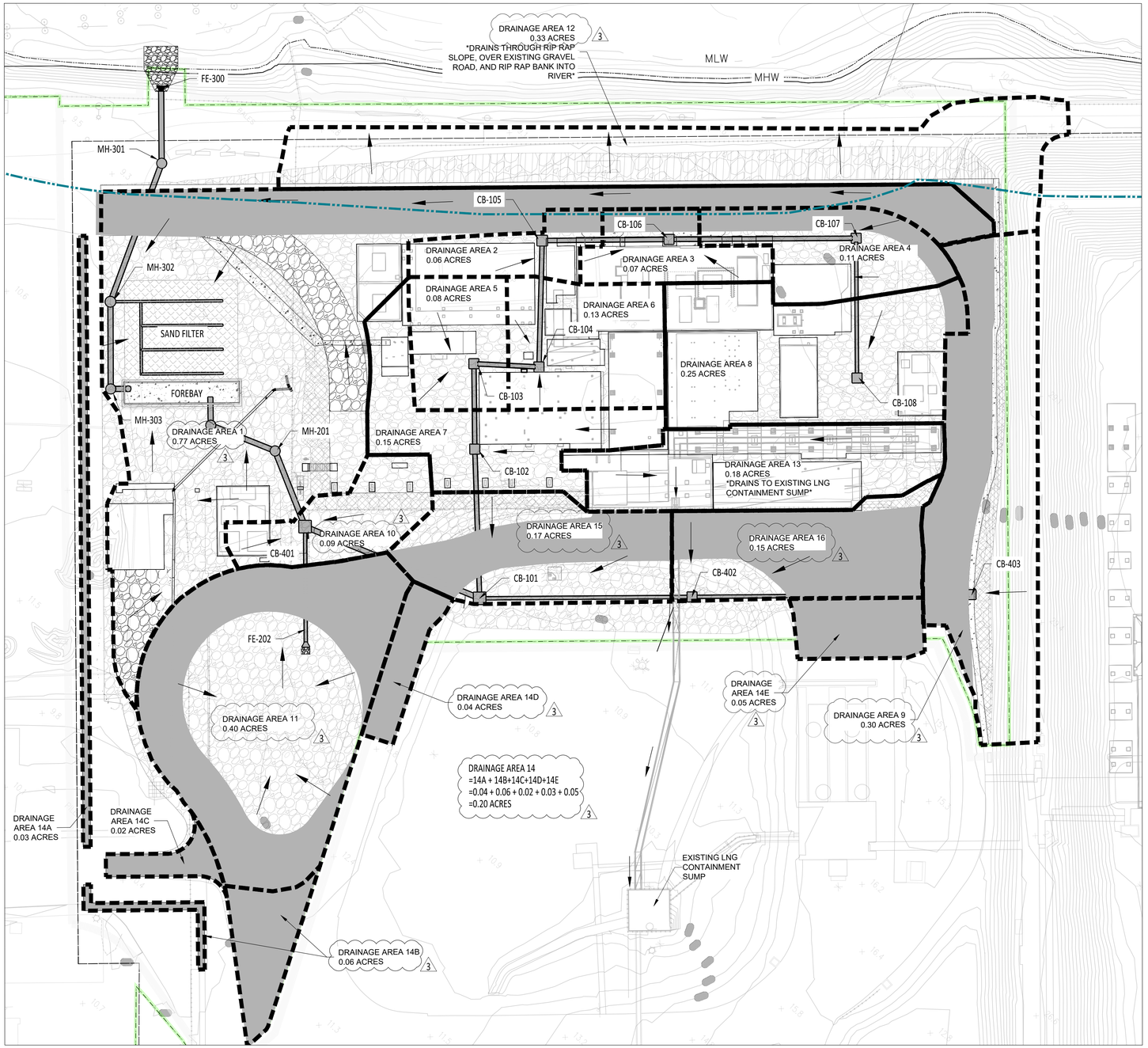
NATIONAL GRID LNG LLC

FIELDS POINT LIQUEFACTION PROJECT

FINISH GRADING PLAN

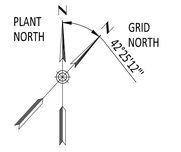
DRAWING NO:	SHT:	REV.
102761-B-00-0000-CIV-CG-2103	1 OF 1	02

SEP 15, 2022 - 8:06pm DRAWING NAME: H:\1Projects\NGUS\20011628_FieldsPoint\DES\CIV\Civil Drawings\DWG\CIVIL DWGS\102761-B-00-0000-CIV-CG-2103.DWG



Drainage areas	Area (acre)	Weighted CN	tc (min)
1	0.77	89	2.3
2	0.06	93	6.9
3	0.07	94	6.9
4	0.11	91	7.8
5	0.08	91	6
6	0.13	93	8.7
7	0.15	88	11.2
8	0.25	91	9.6
9	0.30	89	1.1
10	0.09	86	1.5
11	0.40	90	1.4
12	0.33	85	nc
13	0.18	93	nc
14	0.20	95	nc
15	0.17	90	1.1
16	0.15	94	1.1

3



30 0 30 60
SCALE IN FEET

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02	06/24/21	ISSUED FOR CONSTRUCTION	AQ	AT	JG
01	10/09/19	ISSUED FOR CONSTRUCTION	MO	JZ	JG
00	12/18/18	ISSUED FOR CONSTRUCTION	SMG	SSV	JG

GENERAL NOTES AND COMMENTS:

nationalgrid

Kiewit
Kiewit Engineering Group, Inc.
Oil, Gas & Chemical

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LICENSE NO. 12687
EXPIRATION DATE 06/30/2023

ENG/DESIGN ORIG: A.QUESADA
LEAD ENG: J.GHIMIRE
ENG. MGR: M.VICEDOMINE
PROJ. MGR: N.DOUCE

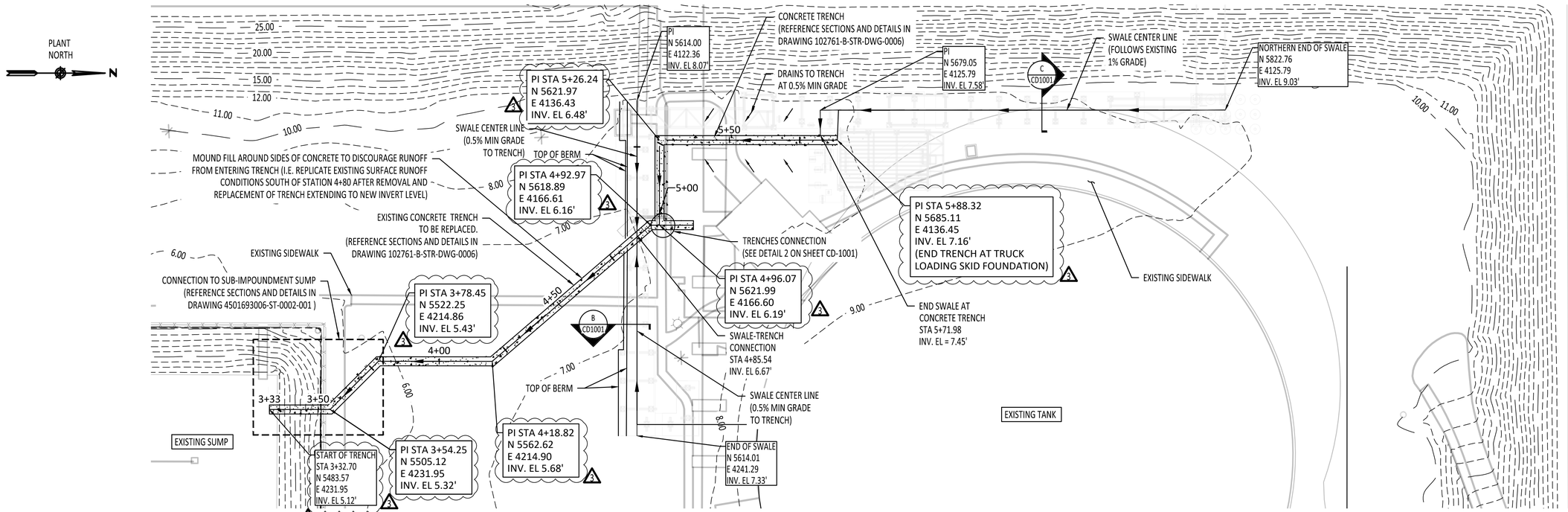
NATIONAL GRID LNG LLC

FIELDS POINT LIQUEFACTION PROJECT

POST DEVELOPMENT DRAINAGE MAP

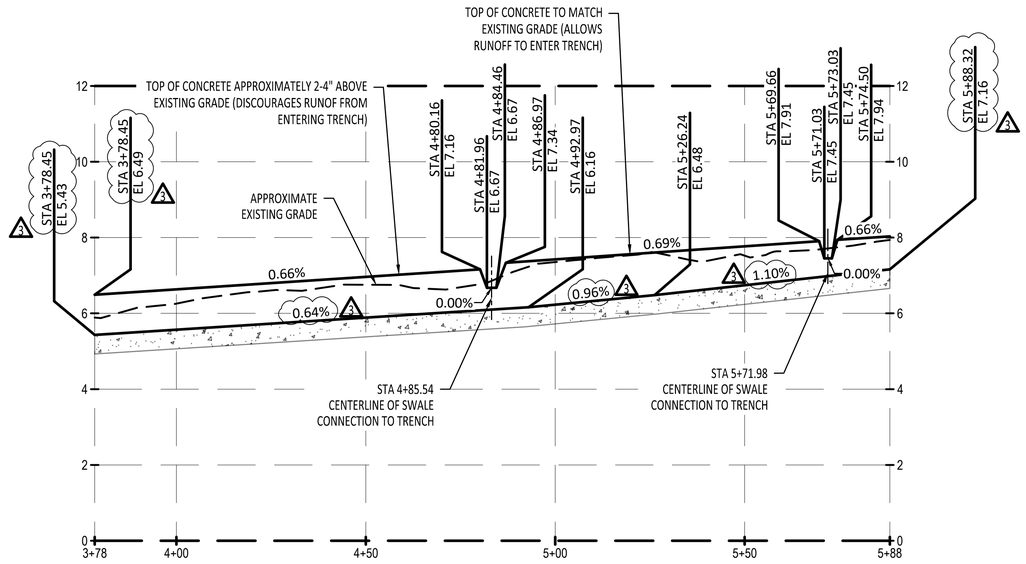
DRAWING NO: 102761-B-00-0000-CIV-CM-0002
SHT: 1 OF 1
REV. 03

SEP 14, 2022 - 8:18am DRAWING NAME: I:\1Projects\NGUS\20011628_FieldsPoint\DES\CIV\Civil Drawings\DWG\CIVIL DWGS\102761-B-00-0000-CIV-CM-0002-KOE POST DEVELOPMENT MAP.dwg



PLAN - CONCRETE TRENCH

SCALE: 1" = 20'



PROFILE - CONCRETE TRENCH

SCALE: 1" = 20' H
1" = 10' V

CONFIDENTIAL

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3	09/15/22	AS-BUILT	AQ	JZ	JG
2	04/16/21	ISSUED FOR CONSTRUCTION	AQ	AT	JG
1	09/15/20	ISSUED FOR CONSTRUCTION	AQ	AT	JG
0	08/18/20	ISSUED FOR CONSTRUCTION	AQ	AT	JG
B	08/12/20	ISSUED FOR APPROVAL	AQ	AT	JG
A	08/05/20	ISSUED FOR REVIEW	AQ	AT	JG

GENERAL NOTES AND COMMENTS:

- ALL INVERT ELEVATIONS AND COORDINATES WERE UPDATED BASED ON THE AS-BUILT DOCUMENT 3962 AREA J TRENCH ASB3 8-10-2022. 3

nationalgrid

Kiewit
Kiewit Engineering Group, Inc.
Oil, Gas & Chemical

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER AND RESPONSIBLE CHARGE ENGINEER OF KIEWIT ENGINEERING GROUP INC. (FC 0005909-COA) UNDER THE LAWS OF THE STATE OF RHODE ISLAND.
LICENSE No. 12687
EXPIRATION DATE: 06/30/2023

JAGANNATH GHIMIRE
No. 12687
REGISTERED PROFESSIONAL ENGINEER
CIVIL

ENG/DESIGN ORIG:	J. ZAMUDIO
LEAD ENG:	J. GHIMIRE
ENG. MGR:	M. WICELDOMINE
PROJ. MGR:	N. DOUCE

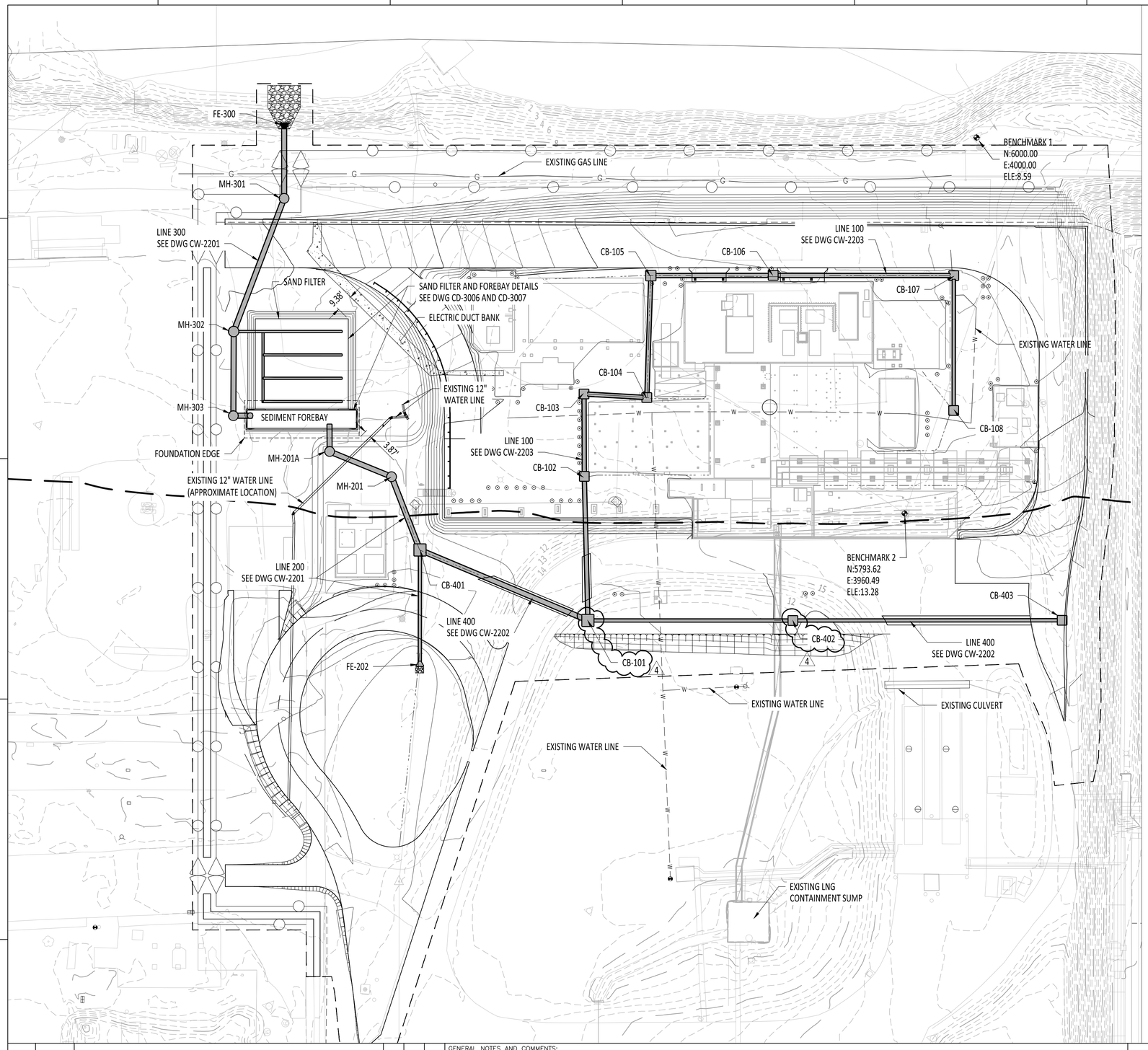
NATIONAL GRID LNG LLC

FIELDS POINT LIQUEFACTION PROJECT_AREA J

CONCRETE TRENCH PLAN AND PROFILE

DRAWING NO:	SHT:	REV.
102761-B-00-0000-CIV-CP-1001	1 OF 1	3

SEP 15, 2022 - 8:03pm DRAWING NAME: H:\1Projects\NGUS\20011628_FieldsPoint\DES\CIV\Civil Drawings\DWG\AREA J SUMP _DWG\102761-B-00-0000-CIV-CP-1001_CONCRETE TRENCH PLAN PROFILE.dwg

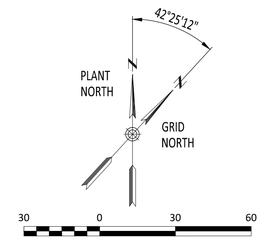


NOTES:

1. SEE DWG CN-0002 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND.
2. SEE DWG CN-0002 AND CT-2660 FOR SURVEY CONTROL.
3. SEE DRAWINGS CG-2103 FOR GRADING.
4. SEE DRAWINGS CW-2200 TO CW-2203 FOR STORM WATER PLAN AND PROFILES.
5. SEE DRAWING CD-3004 AND CD-3005 FOR STORM WATER DETAILS.
6. STRUCTURE LOCATIONS ARE INDICATED FROM CENTER OF STRUCTURE. GRATE ELEVATIONS ARE SHOWN AT THE CENTER OF INLET GRATE.
7. BLOCK ALL INLET GRATES TO PREVENT STORM WATER FROM ENTERING THE SYSTEM UNTIL CONNECTION TO THE FUTURE STORM DRAIN IS MADE.
8. VARIOUS ABOVE GROUND AND UNDER GROUND UTILITIES ARE NOT SHOWN. FOR DUCT BANKS AND DIRECT-BURIED CONDUIT SEE THE ELECTRICAL PLANS. FOR PIPING SEE THE MECHANICAL PLANS. FOR CLARITY PURPOSES THE ABOVE GROUND AND UNDERGROUND UTILITIES ARE NOT SHOWN IN THE PROFILES.
9. ALL STORM DRAINAGE STRUCTURES SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SPECIFICATION 102761-B-CIV-SPC-0002 STORM DRAINAGE.
10. UNDERGROUND STORM SEWERS SHALL HAVE THEIR DESIGN COVER IN PLACE PRIOR TO SUBJECTING TO TRAFFIC LOADING.
11. REFER TO THE PROJECT STORMWATER MANAGEMENT PLAN (SWMP) AND THE SOIL EROSION AND SEDIMENT CONTROL (SESC) PLAN, FOR ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES RELATED TO STORM DRAINAGE SYSTEM.
12. UNLESS OTHERWISE INDICATED, PENETRATIONS FOR PIPES ENTERING OR LEAVING RECTANGULAR STORM DRAIN STRUCTURES SHALL BE PLACED ON THE CENTERLINES OF THE RESPECTIVE WALLS OF EACH STRUCTURE.
13. CONTRACTOR SHALL PROVIDE 'AS-CONSTRUCTED" DATA ON THE INSTALLED STORM SEWER THAT INCLUDES THE FOLLOWING SURVEYED INFORMATION:
    - A. STRUCTURE TOP ELEVATION
    - B. STORMWATER INVERT ELEVATION STRUCTURE
    - C. UNDERGROUND BENDS, TEES, WYES, CONNECTIONS WITH NORTHING, EASTING,ELEVATION OF TOP OF PIPE.
    - D. STORM PIPE SIZE
    - E. STORM STRUCTURE SIZE
    - F. STORM INLET OPENING ORIENTATION (FOR AREA INLETS ONLY)
    - G. STORMWATER TREATAMENT SYSTEM (TOP, TOE, OVERFLOW ELEVATION, OUTLET STRUCTURE, NORMAL POOL FOR WET PONDS)
15. STORM SEWER "AS-CONSTRUCTED" DATA SHALL BE SUBMITTED TO THE LEAD CIVIL ENGINEER FOR REVIEW AND APPROVAL WITHIN TWO WEEKS OF INSTALLATION OF EACH STRUCTURE AND/OR PIPE.

LEGEND

20	EXISTING CONTOUR MAJOR (FOOT INTERVAL)
21	EXISTING CONTOUR MINOR (FOOT INTERVAL)
20	PROPOSED CONTOUR MAJOR (FOOT INTERVAL)
21	PROPOSED CONTOUR MINOR (FOOT INTERVAL)
○	PROPOSED CONCRETE MANHOLE
□	PROPOSED PRECAST CONCRETE CATCH BASIN
▽	PROPOSED PRECAST CONCRETE END SECTION
	PROPOSED UNDERGROUND DRAINAGE PIPE
CB	CATCH BASIN
MH	MANHOLE
FE	FLARED END
W	EXISTING WATER LINE
	PROPESED FENCE
	CONSTRUCTION LIMITS



SCALE: 1" = 30'-0"

CONFIDENTIAL

THESE DRAWINGS ARE CONFIDENTIAL IN NATURE. ANY MISUSE OR UNAUTHORIZED DISTRIBUTION OF THE DRAWINGS CONTAINED HEREIN WILL BE A VIOLATION OF THIS CONFIDENTIALITY REQUIREMENT AND SUBJECT THE VIOLATOR TO LIABILITY. REVIEW OF THESE MATERIALS BY RECIPIENT SHALL CONSTITUTE AN ACCEPTANCE OF THESE TERMS AND THE TERMS OF ANY UNDERLYING CONFIDENTIALITY AGREEMENT WE MAY HAVE EXECUTED IN OBTAINING THIS INFORMATION FROM A THIRD PARTY. IF THE RECIPIENT IS NOT IN AGREEMENT WITH THE OBLIGATION OF CONFIDENTIALITY THEN THE DRAWINGS SHALL BE RETURNED TO THE ORIGINATOR.

REV	DATE	REVISION INFORMATION	BY	CHK	APP.
04	09/13/22	AS-BUILT	AQ	JZ	JG
03	08/30/21	ISSUED FOR CONSTRUCTION	AQ	AT	JG
02	06/24/21	ISSUED FOR CONSTRUCTION	AQ	AT	JG
01	10/09/19	ISSUED FOR CONSTRUCTION	MO	JZ	JG
00	01/31/19	ISSUED FOR CONSTRUCTION	SG	SSV	JNG

GENERAL NOTES AND COMMENTS:

- ALL INVERT ELEVATIONS AND LOCATIONS FOR PIPES AND STRUCTURES WERE UPDATED BASED ON THE AS-BUILT DOCUMENT 3962 DRAINAGE AS-BUILT UPD3. 4

nationalgrid

Kiewit Engineering Group, Inc. Oil, Gas & Chemical

JAGANNATH GHIMIRE No. 12687 REGISTERED PROFESSIONAL ENGINEER CIVIL

PROFESSIONAL CERTIFICATION:
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LICENSE NO. 12687
EXPIRATION DATE: 06/30/2023

ENG/DESIGN ORIG:	A.QUESADA
LEAD ENG:	J.GHIMIRE
ENG. MGR:	M.VICEDOMINE
PROJ. MGR:	N.DOUCE

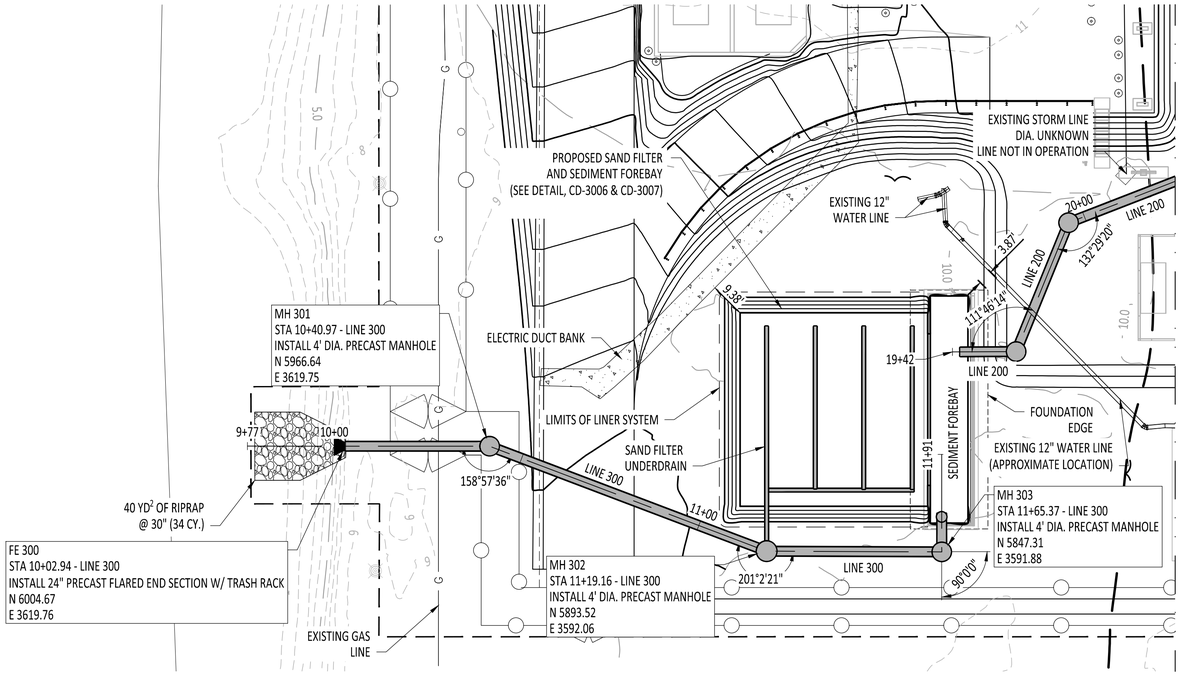
NATIONAL GRID LNG LLC

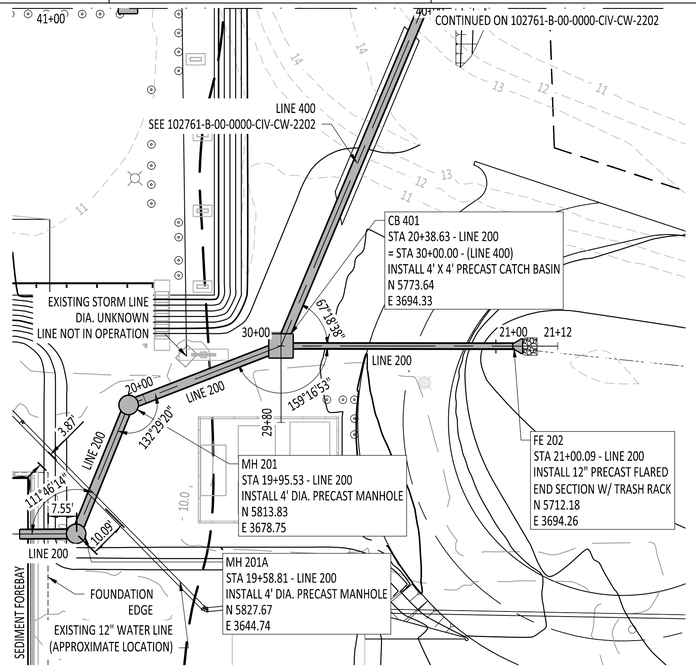
FIELDS POINT LIQUEFACTION PROJECT

STORM WATER KEY PLAN

DRAWING NO:	SHT:	REV.
102761-B-00-0000-CIV-CW-2200	1 OF 1	04

SEP 13, 2022 - 9:01pm DRAWING NAME: H:\Projects\NGUS\20011628_FieldsPoint\DES\CIV\Civil Drawings\DWG\CIVIL DWGS\102761-B-00-0000-CIV-CW-2200_STORM WATER KEY PLAN.dwg

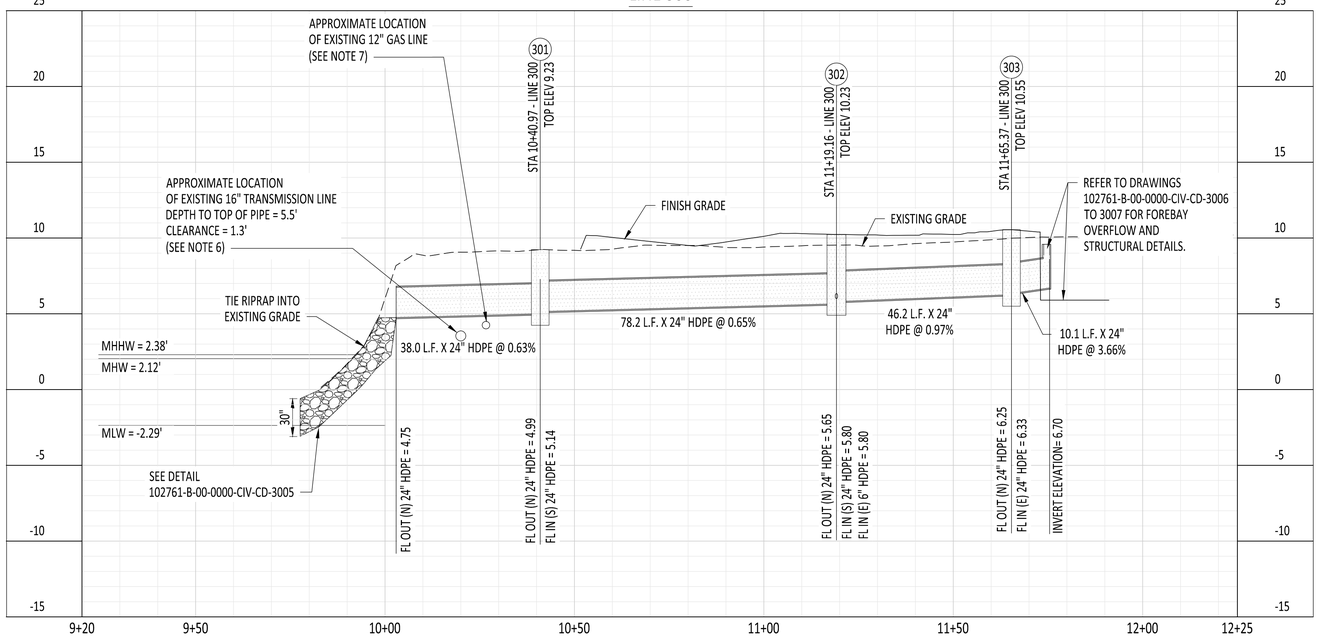




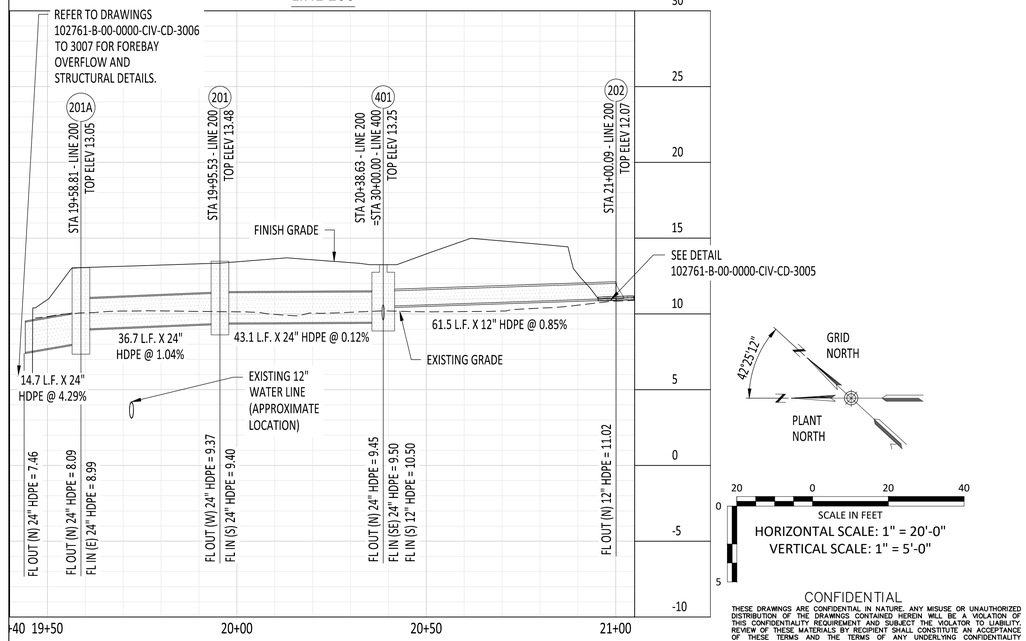
NOTES:

1. SEE CN-0002 FOR NOTES, ABBREVIATIONS, LEGENDS, AND SURVEY CONTROL POINTS.
2. SEE CW-2200 FOR STORM WATER GENERAL LAYOUT.
3. SEE CD-3004 THROUGH CD-3006 FOR STORM WATER DETAILS.
4. PER RIDOT STANDARD DETAIL 4.4.0 W/A PRECAST CONCRETE ECCENTRIC CONE AND NO SUMP IN BASE SECTION. PROVIDE BUTYL RESIN SEALANT AT ALL JOINTS. 1246Z EJ FRAME AND 1248M2 EJ GRATE OR APPROVED EQUAL.
5. PER RIDOT STANDARD DETAIL 4.4.0 W/A PRECAST CONCRETE ECCENTRIC CONE AND NO SUMP IN BASE SECTION. PROVIDE BUTYL RESIN SEALANT AT ALL JOINTS. 1246Z EJ FRAME AND 1248A SOLID COVER OR APPROVED EQUAL.
6. SEE PROVIDENCE TRANSMISSION LINE AS-BUILTS, DRAWING 02 OF 04 DATED 11/23/2018.
7. EXISTING UTILITIES TO BE ADDRESSED IN THE FIELD.
8. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.

LINE 300



LINE 200



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REV.	DATE	REVISION INFORMATION	BY	CHK	APP.
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01	10/09/19	ISSUED FOR CONSTRUCTION	MO	JZ	JG
00	01/31/19	ISSUED FOR CONSTRUCTION	SMG	SSV	JG

GENERAL NOTES AND COMMENTS:

- ALL INVERT ELEVATIONS AND LOCATIONS FOR PIPES AND STRUCTURES WERE UPDATED BASED ON THE AS-BUILT DOCUMENT 3962 DRAINAGE AS-BUILT UPD3.

4

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Kiewit Engineering Group, Inc. Oil, Gas & Chemical

JAGANNATH GHIMIRE No. 12687 REGISTERED PROFESSIONAL ENGINEER CIVIL

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER AND RESPONSIBLE CHANGE ENGINEER AT KIEWIT ENGINEERING GROUP INC. (FC 0005919-COA) UNDER THE LAWS OF THE STATE OF RHODE ISLAND.
LICENSE NO. 12687
EXPIRATION DATE: 06/30/2023

ENG/DESIGN ORIG:	J. ZAMUDIO
LEAD ENG:	J. GHIMIRE
ENG. MGR:	M. VICEDOMINE
PROJ. MGR:	N. DOUCE

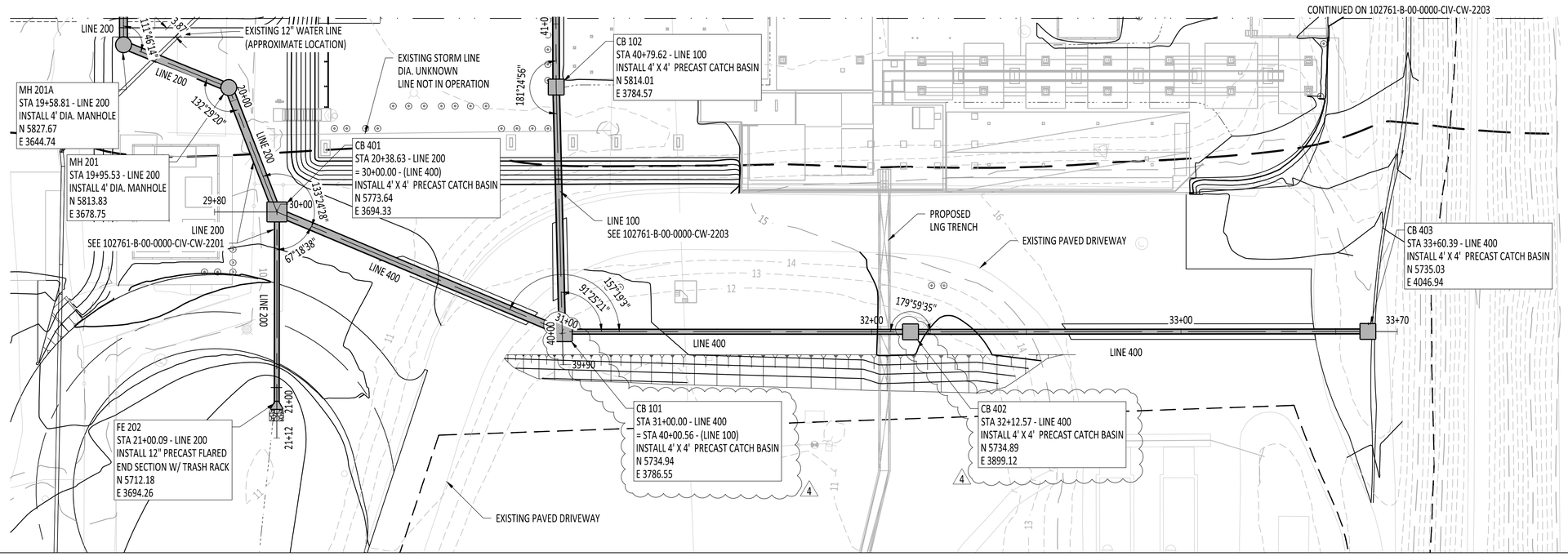
NATIONAL GRID LNG LLC

FIELDS POINT LIQUEFACTION PROJECT

STORM WATER PLAN AND PROFILES

DRAWING NO:	SHT:	REV.
102761-B-00-0000-CIV-CW-2201	1 OF 1	04

SEP 13, 2022 - 3:13pm DRAWING NAME: H:\1Projects\NGUS\20011628_FieldsPoint\DES\CIV\Civil Drawings\DWG\CIVIL DWGS\102761-B-00-0000-CIV-CW-2201_STORM WATER PLAN AND PROFILE.dwg



LEGEND:

CONCRETE PAVEMENT

GRAVEL

NOTES:

1. SEE CN-0002 FOR NOTES, ABBREVIATIONS, LEGENDS, AND SURVEY CONTROL POINTS.
2. SEE CW-2200 FOR STORM WATER GENERAL LAYOUT.
3. SEE CD-3002 FOR ASPHALT ROAD PATCHING OVER STORM PIPE DRAIN.
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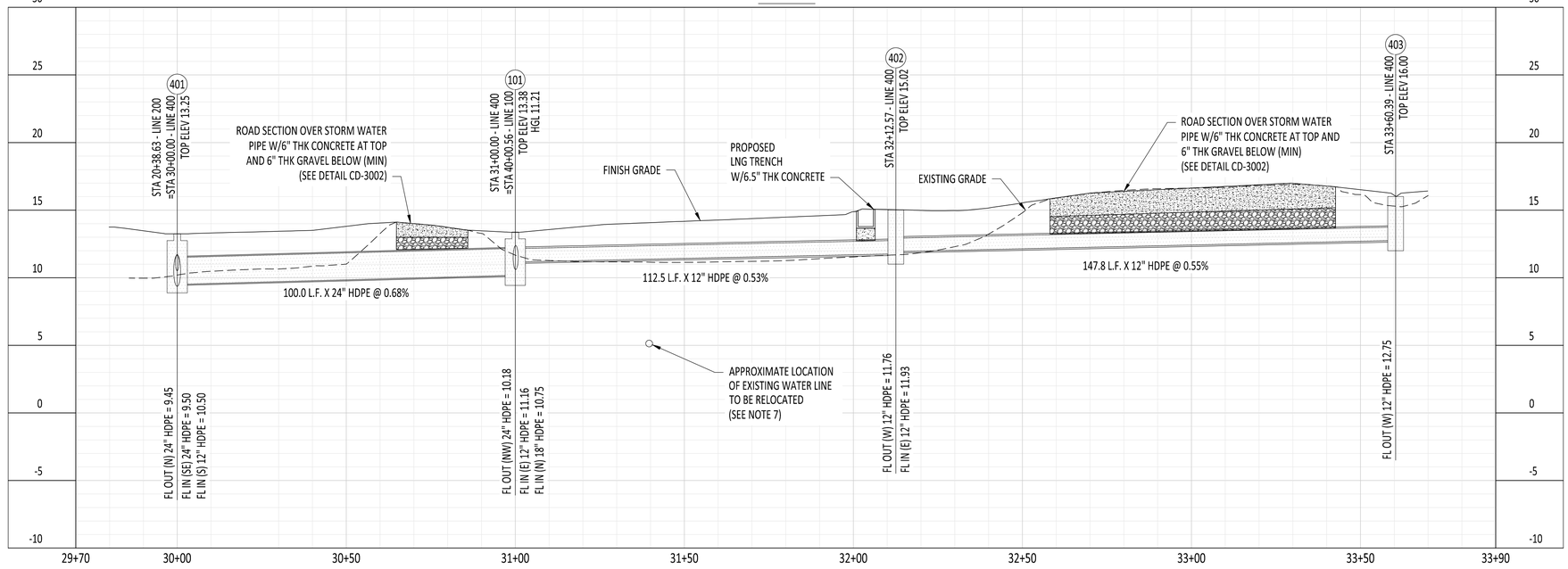

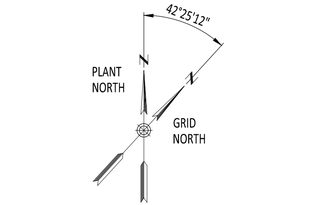

20 0 20 40

SCALE IN FEET

HORIZONTAL SCALE: 1" = 20'-0"

VERTICAL SCALE: 1" = 5'-0"

CONFIDENTIAL

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02	06/24/21	ISSUED FOR CONSTRUCTION	AQ	AT	JG
01	10/09/19	ISSUED FOR CONSTRUCTION	MO	JZ	JG
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GENERAL NOTES AND COMMENTS:

- ALL INVERT ELEVATIONS AND LOCATIONS FOR PIPES AND STRUCTURES WERE UPDATED BASED ON THE AS-BUILT DOCUMENT 3962 DRAINAGE AS-BUILT UPD3. 4

nationalgrid

Kiewit Engineering Group, Inc. Oil, Gas & Chemical

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LICENSE NO. 12687
EXPIRATION DATE: 06/30/2023

ENG/DESIGN ORIG:	J. ZAMUDIO
LEAD ENG:	J. GHIMIRE
ENG. MGR:	M. VICEDOMINE
PROJ. MGR:	N. DOUCE

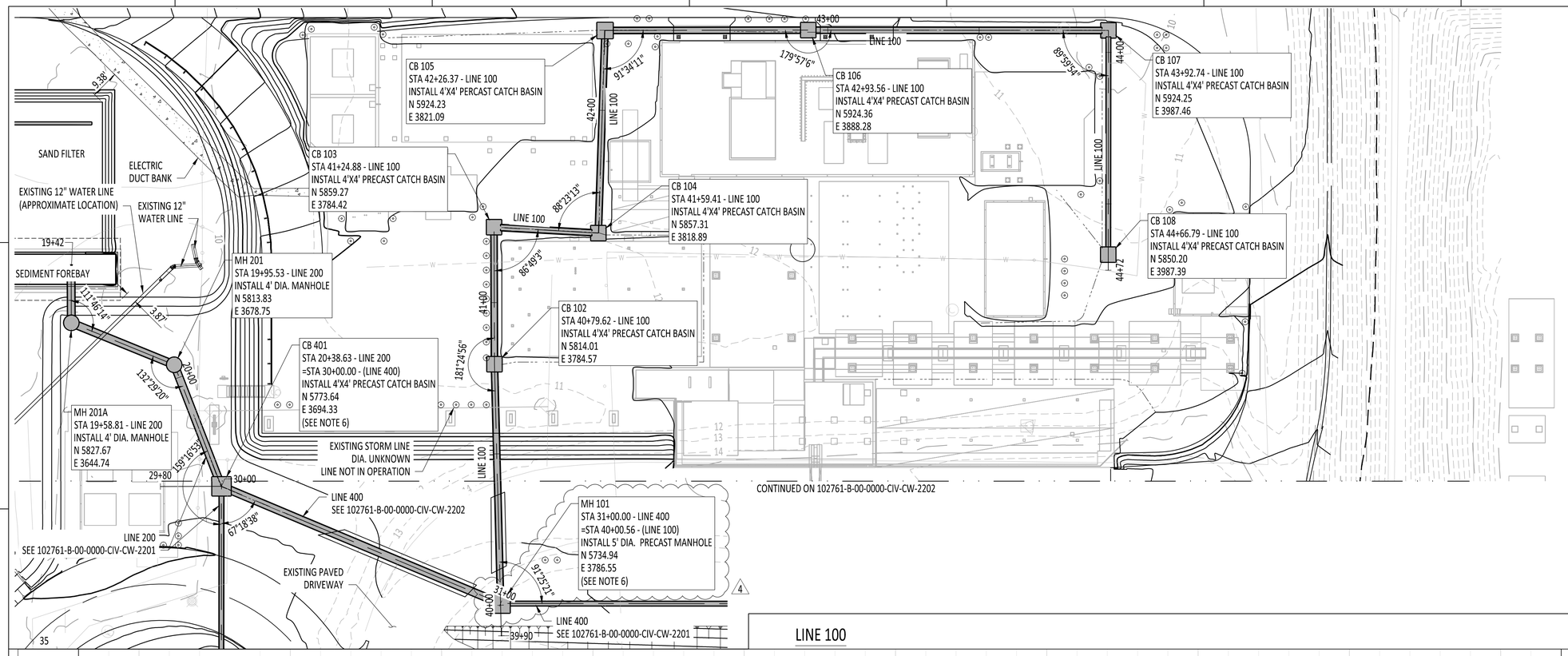
NATIONAL GRID LNG LLC

FIELDS POINT LIQUEFACTION PROJECT

STORM WATER PLAN AND PROFILES

DRAWING NO:	SHT:	REV.
102761-B-00-0000-CIV-CW-2202	1 OF 1	04

SEP 13, 2022 - 8:27pm DRAWING NAME: H:\Projects\NGUS\20011628_FieldsPoint\DES\CIVI\Civil Drawings\DWG\CIVIL DWGS\102761-B-00-0000-CIV-CW-2202_STORM WATER PLAN AND PROFILE.dwg



LEGEND

CONCRETE PAVEMENT

GRAVEL

NOTES:

1. SEE CN-0002 FOR NOTES, ABBREVIATIONS, LEGENDS, AND SURVEY CONTROL POINTS.
2. SEE CW-2200 FOR STORM WATER GENERAL LAYOUT.
3. SEE CD-3002 FOR ASPHALT ROAD PATCHING OVER STORM PIPE DRAIN.
4. SEE CD-3004 THROUGH CD-3006 FOR STORM WATER DETAILS.
5. PER RIDOT STANDARD DETAIL 4.4.0 W/A PRECAST CONCRETE ECCENTRIC CONE AND NO SUMP IN BASE SECTION. PROVIDE BUTYL RESIN SEALANT AT ALL JOINTS. 1246Z EJ FRAME AND 1248M2 EJ GRATE OR APPROVED EQUAL.
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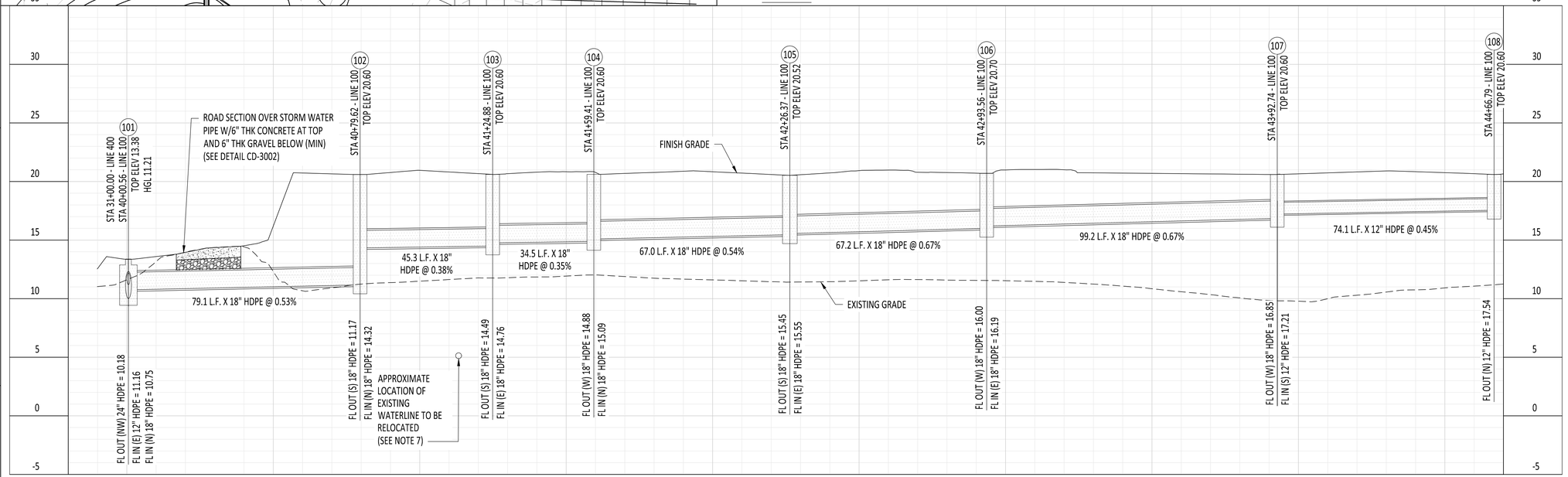
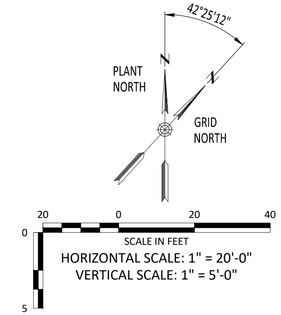
LINE 100





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GENERAL NOTES AND COMMENTS:

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nationalgrid

Kiewit
Kiewit Engineering Group, Inc.
Oil, Gas & Chemical

JAGANNATH GHIMIRE
No. 12687
REGISTERED PROFESSIONAL ENGINEER
CIVIL

PROFESSIONAL CERTIFICATION:
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LICENSE NO. 12687
EXPIRATION DATE: 06/30/2023

ENG/DESIGN ORIG:	J. ZAMUDIO
LEAD ENG:	J. GHIMIRE
ENG. MGR:	M. VICEDOMINE
PROJ. MGR:	N. DOUCE

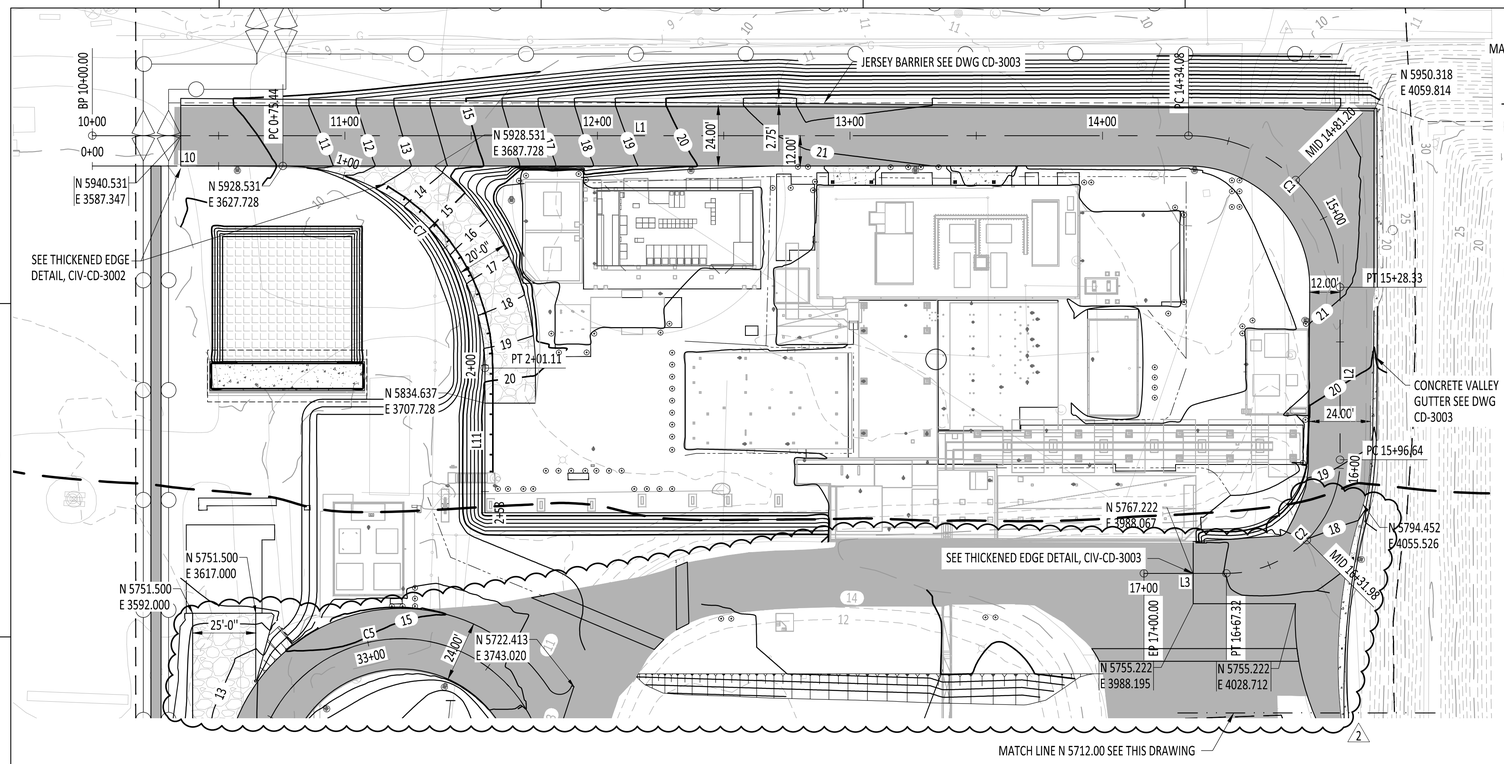
NATIONAL GRID LNG LLC

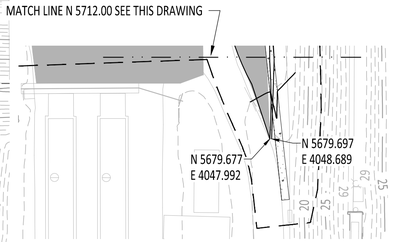
FIELDS POINT LIQUEFACTION PROJECT

STORM WATER PLAN AND PROFILES

DRAWING NO:	SHT:	REV.
102761-B-00-0000-CIV-CW-2203	1 OF 1	04

SEP 13, 2022 - 8:38pm DRAWING NAME: H:\1Projects\NGUS\20011628_FieldsPoint\DES\CIV\Civil Drawings\DWG\CIVIL DWGS\102761-B-00-0000-CIV-CW-2203_STORM WATER



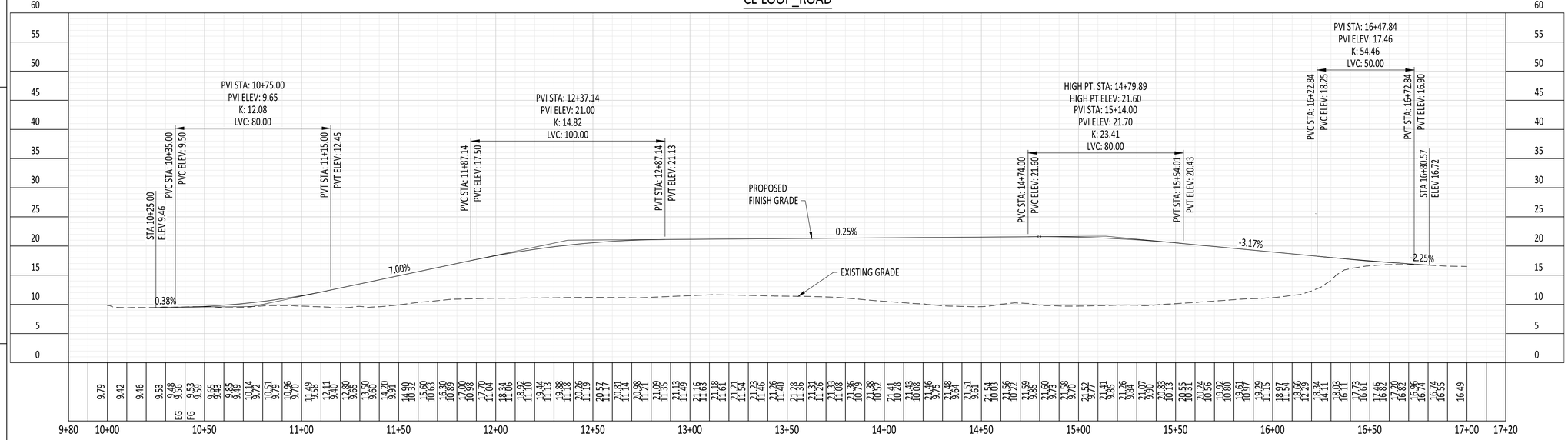


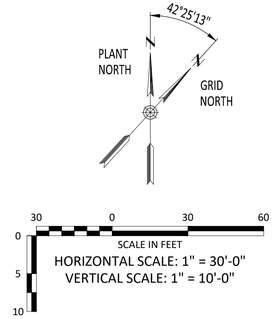
NOTES:

1. SEE DRAWING CIV-CN-0002 FOR LEGEND, ABBREVIATIONS, EXISTING CONTROL ON SITE AND GENERAL NOTES.
2. FOR TYPICAL SECTIONS AND SURFACING SECTIONS SEE CIV-CD-3002.

CL-LOOP_ROAD									
SEGMENT #		STATION	NORTHING	EASTING	LENGTH	LINE/CHORD BEARING	DELTA	TANGENT	RADIUS
L1		10+00.00	5940.531	3552.287	434.08	N90° 00' 00.00"E			
C1	PC= PI= PT=	14+34.08 14+94.08 15+28.33	5940.531 5940.531 5880.531	3986.367 4046.367 4046.367	94.25	S45° 00' 00.00"E	90°00'00"	60.00	60.00
L2		15+28.33	5880.531	4046.367	68.31	S0° 00' 00.00"E			
C2	PC= PI= PT=	15+96.64 16+41.64 16+67.32	5812.222 5767.222 5767.222	4046.367 4046.367 4001.367	70.69	S45° 00' 00.00"W	90°00'00"	45.00	45.00
L3		16+67.32	5767.222	4001.367	32.68	N90° 00' 00.00"W			

CL-LOOP_ROAD





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REV	DATE	REVISION INFORMATION	BY	CHK	APP.
02	09/15/22	AS-BUILT	AQ	JZ	JG
01	10/09/19	ISSUED FOR CONSTRUCTION	MO	JZ	JG
00	05/03/19	ISSUED FOR CONSTRUCTION	SMG	SSV	JG

GENERAL NOTES AND COMMENTS:

ELEVATIONS WERE UPDATED BASED ON THE AS-BUILT DOCUMENTS
- KIEWIT AB GRADES 081522 KW.
- 3962 KIEWIT AB ROAD 081522.

2

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Kiewit Engineering Group, Inc. Oil, Gas & Chemical

JAGANNATH GHIMIRE
No. 12687
REGISTERED PROFESSIONAL ENGINEER
CIVIL

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER AND RESPONSIBLE CHANGE ENGINEER AT KIEWIT ENGINEERING GROUP INC. (PE. 0005969-COA) UNDER THE LAWS OF THE STATE OF RHODE ISLAND.
LICENSE NO. 12687
EXPIRATION DATE: 06/30/2023

ENG/DESIGN ORIG: J. ZAMUDIO
LEAD ENG: J. GHIMIRE
ENG. MGR: M. VICEDOMINE
PROJ. MGR: N. DOUCE

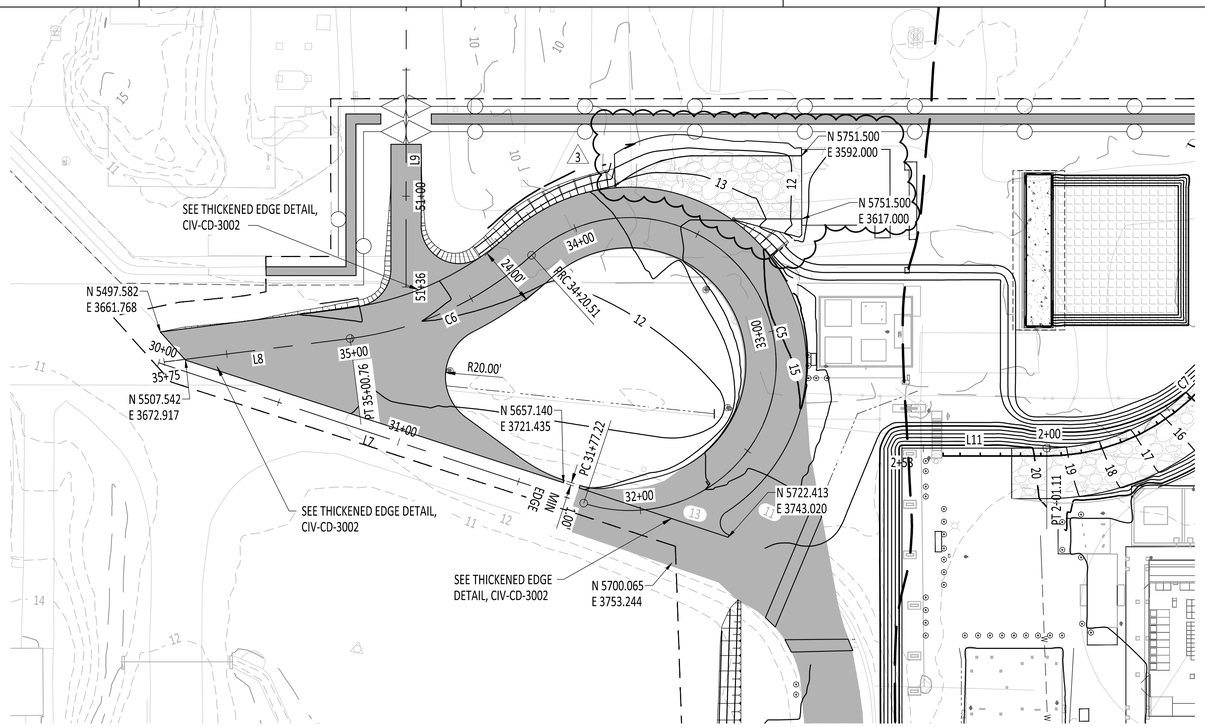
NATIONAL GRID LNG LLC

FIELDS POINT LIQUEFACTION PROJECT

ROAD PLAN AND PROFILES

DRAWING NO: 102761-B-00-0000-CIV-CX-2300
SHT: 1 OF 1
REV. 02

SEP 15, 2022 - 8:13pm DRAWING NAME: H:\Projects\NGUS\20011628_FieldsPoint\DES\CIV\Civil Drawings\DWG\CIVIL DWGS\102761-B-00-0000-CIV-CX-2300-2302 IFC.dwg

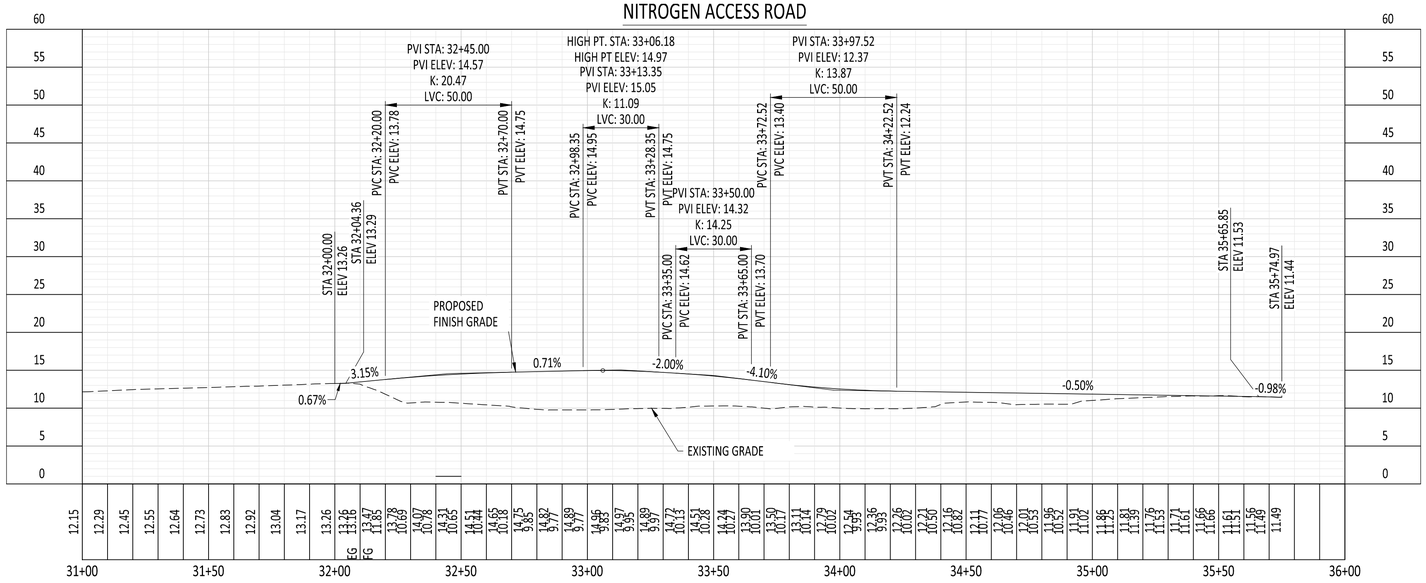


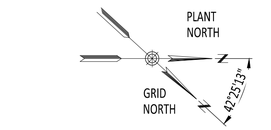
NOTES:

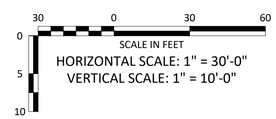
1. SEE DRAWING 102761-B-00-0000-CIV-CN-0002 FOR LEGEND, ABBREVIATIONS, EXISTING CONTROL ON SITE AND GENERAL NOTES.
2. FOR TYPICAL SECTIONS AND SURFACING SECTIONS SEE CD-3002.

NITROGEN ACCESS ROAD									
SEGMENT #		STATION	NORTHING	EASTING	LENGTH	LINE/CHORD BEARING	DELTA	TANGENT	RADIUS
L7		30+00.00	5496.922	3673.948	177.22	N18° 16' 54.96"E			
C5	PC= PI= PT=	31+77.22 30+77.44 34+20.51	5665.196 5570.451 5644.539	3729.540 3698.240 3631.402	243.29	S78° 06' 49.21"W	240°20'11"	99.78	58.00
C6	PC= PI= PT=	34+20.51 34+61.92 35+00.76	5644.539 5613.793 5572.714	3631.402 3659.139 3664.344	80.25	S24° 38' 16.77"E	34°50'00"	41.41	132.00
L8		35+00.76	5572.714	3664.344	74.21	S7° 13' 17.00"E			

NITROGEN ACCESS ROAD







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REV	DATE	REVISION INFORMATION	BY	CHK	APP.
03	09/13/22	AS-BUILT	AQ	JZ	JG
02	04/19/22	ISSUED FOR CONSTRUCTION	AQ	JG	MV
01	10/09/19	ISSUED FOR CONSTRUCTION	MO	JZ	JG
00	05/03/19	ISSUED FOR CONSTRUCTION	SMG	SSV	JG

GENERAL NOTES AND COMMENTS:

ELEVATIONS WERE UPDATED BASED ON THE AS-BUILT DOCUMENTS
- KIEWIT AB GRADES 081522 KW.
- 3962 KIEWIT AB ROAD 081522.

△3

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Kiewit Engineering Group, Inc. Oil, Gas & Chemical

JAGANNATH GHIMIRE
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REGISTERED PROFESSIONAL ENGINEER
CIVIL

PROFESSIONAL CERTIFICATION:
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LICENSE NO. 12687
EXPIRATION DATE: 06/30/2023

ENG/DESIGN ORIG:	J. ZAMUDIO
LEAD ENG:	J. GHIMIRE
ENG. MGR:	M. VICEDOMINE
PROJ. MGR:	N. DOUCE

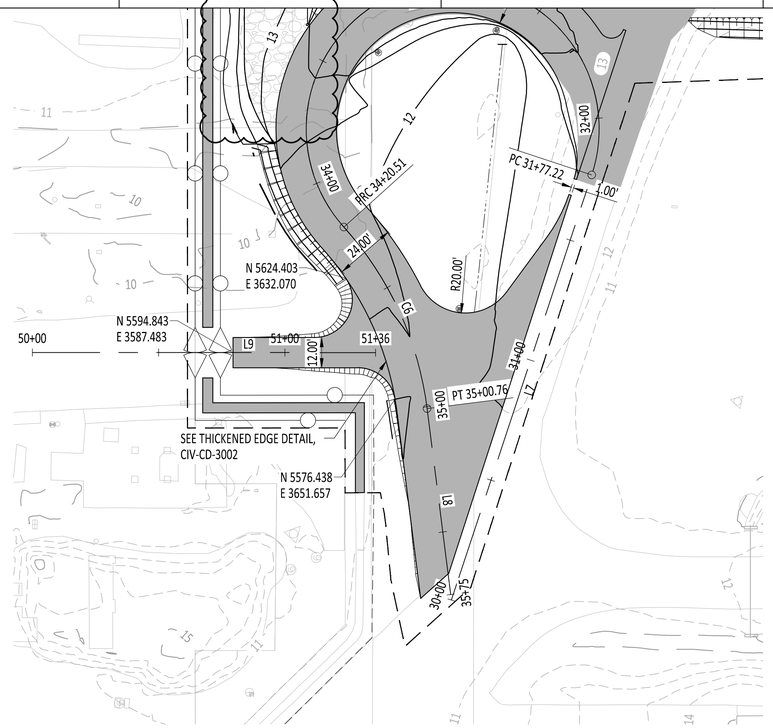
NATIONAL GRID LNG LLC

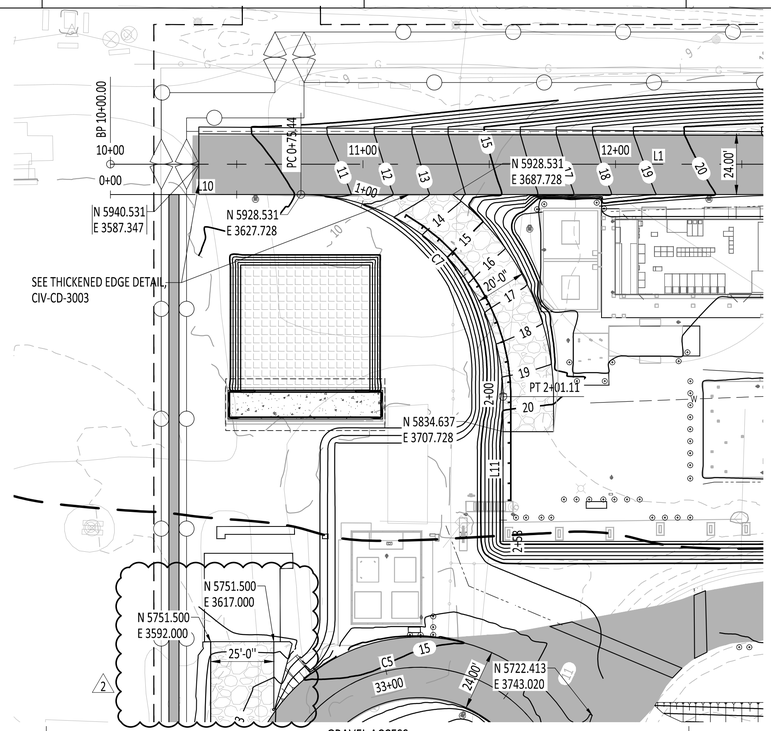
FIELDS POINT LIQUEFACTION PROJECT

ROAD PLAN AND PROFILES

DRAWING NO:	SHT:	REV.
102761-B-00-0000-CIV-CX-2301	1 OF 1	03

SEP 15, 2022 - 8:40pm DRAWING NAME: H:\Projects\NGUS\20011628_FieldsPoint\DES\CIV\Civil Drawings\DWG\CIVIL DWGS\102761-B-00-0000-CIV-CX-2300-2302 IFC.dwg





NOTES:

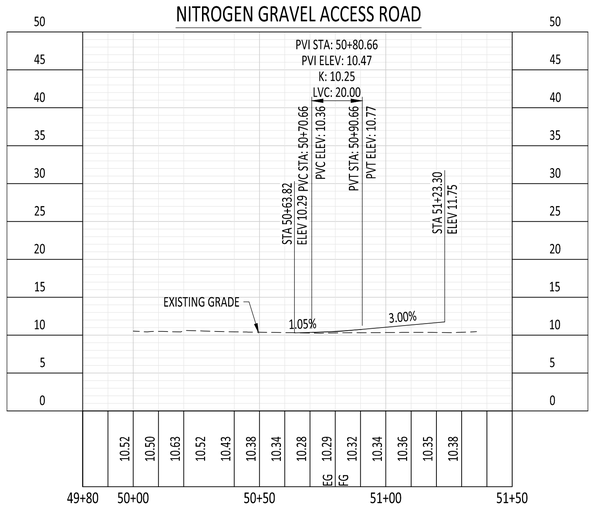
1. SEE DRAWING CIV-CN-0002 FOR LEGEND, ABBREVIATIONS, EXISTING CONTROL ON SITE AND GENERAL NOTES.
2. FOR TYPICAL SECTIONS AND SURFACING SECTIONS SEE CIV-CD-3002 & CIV-CD-3003.

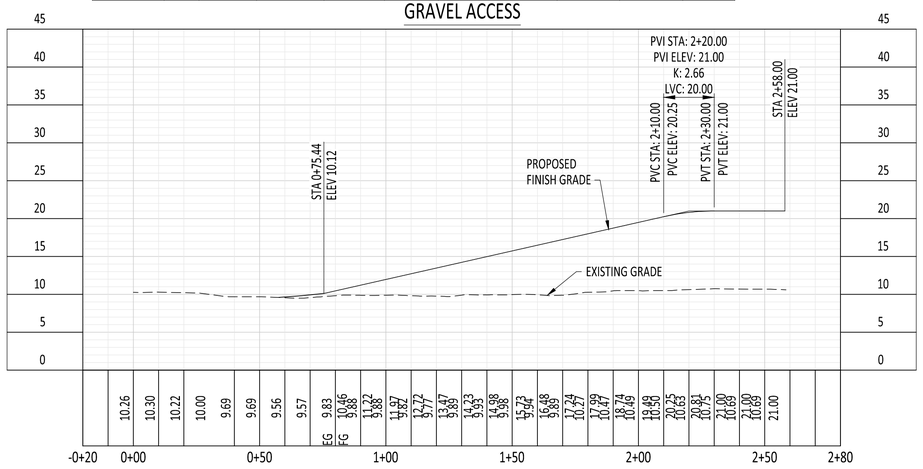
NITROGEN GRAVEL ACCESS ROAD

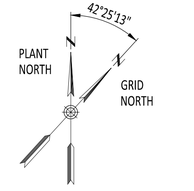
SEGMENT #		STATION	NORTHING	EASTING	LENGTH	LINE/CHORD BEARING	DELTA	TANGENT	RADIUS
L9		50+00.00	5594.917	3508.023	135.94	S89° 58' 44.13"E			

GRAVEL ACCESS

SEGMENT #		STATION	NORTHING	EASTING	LENGTH	LINE/CHORD BEARING	DELTA	TANGENT	RADIUS
L10		0+00.00	5928.531	3552.287	75.44	N90° 00' 00.00"E			
C7	PC= PI= PT=	0+75.44 1+55.44 2+01.11	5928.531 5928.531 5848.531	3627.728 3707.728 3707.728	125.66	S45° 00' 00.00"E	90°00'00"	80.00	80.00
L11		2+01.11	5848.531	3707.728	57.32	S0° 00' 00.00"E			







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00	05/03/19	ISSUED FOR CONSTRUCTION	SMG	SSV	JG

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- KIEWIT AB GRADES 081522 KW.
- 3962 KIEWIT AB ROAD 081522.

2

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Kiewit Engineering Group, Inc.
Oil, Gas & Chemical

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LICENSE NO. 12687
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LEAD ENG:	J. GHIMIRE
ENG. MGR:	M. VICEDOMINE
PROJ. MGR:	N. DOUCE

NATIONAL GRID LNG LLC

FIELDS POINT LIQUEFACTION PROJECT

ROAD PLAN AND PROFILES

DRAWING NO:	SHT:	REV.
102761-B-00-0000-CIV-CX-2302	1 OF 1	02

SEP 15, 2022 - 8:46pm DRAWING NAME: H:\Projects\NGUS\20011628_FieldsPoint\DES\CIV\Civil Drawings\DWG\CIVIL DWGS\102761-B-00-0000-CIV-CX-2300-2302.IFC.dwg

APPENDIX E

IMPORTED MATERIALS

CERTIFICATE OF ANALYSIS

Sophia Narkiewicz
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: 642 Allens Ave (03.0033554)
ESS Laboratory Work Order Number: 19F0752

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 4:59 pm, Jun 28, 2019

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

SAMPLE RECEIPT

The following samples were received on June 21, 2019 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on June 21, 2019 at 16:00.

Lab Number	Sample Name	Matrix	Analysis
19F0752-01	062119-1.5DG	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
19F0752-02	062119-1.5DG-A1	Soil	6010C
19F0752-03	062119-1.5DG-A2	Soil	6010C
19F0752-04	062119-1.5DG-A3	Soil	6010C
19F0752-05	062119-1.5DGA	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
19F0752-06	062119-1.5DGA-A1	Soil	6010C
19F0752-07	062119-1.5DGA-A2	Soil	6010C
19F0752-08	062119-1.5DGA-A3	Soil	6010C

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

CF92443-BSD1 **Blank Spike recovery is above upper control limit (B+).**
Acetone (136% @ 70-130%)

CF92443-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
Acetone (29% @ 25%)

8270D Semi-Volatile Organic Compounds

C9F0401-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (96% @ 80-120%), 4,6-Dinitro-2-Methylphenol (102% @ 80-120%), Benzoic Acid (122% @ 80-120%), Pentachlorophenol (107% @ 80-120%)

C9F0401-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Benzoic Acid (22% @ 20%)

C9F0401-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Hexachlorocyclopentadiene (43% @ 20%), Isophorone (21% @ 20%), N-Nitrosodimethylamine (22% @ 20%)

Total Metals

CF92446-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
Lead (24% @ 20%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG
Date Sampled: 06/21/19 12:00
Percent Solids: 95

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.52)		6010C		1	KJK	06/25/19 5:06	2.33	100	CF92446
Arsenic	**3.12** (2.26)		6010C		1	KJK	06/25/19 5:06	2.33	100	CF92446
Beryllium	**0.46** (0.10)		6010C		1	KJK	06/25/19 5:06	2.33	100	CF92446
Cadmium	ND (0.45)		6010C		1	KJK	06/25/19 5:06	2.33	100	CF92446
Chromium	**19.4** (0.90)		6010C		1	KJK	06/25/19 5:06	2.33	100	CF92446
Copper	**14.4** (2.26)		6010C		1	KJK	06/25/19 5:06	2.33	100	CF92446
Lead	ND (4.52)		6010C		1	KJK	06/25/19 5:06	2.33	100	CF92446
Mercury	ND (0.027)		7471B		1	MKS	06/25/19 11:51	0.76	40	CF92447
Nickel	**11.4** (2.26)		6010C		1	KJK	06/25/19 5:06	2.33	100	CF92446
Selenium	ND (9.04)		6010C		2	KJK	06/25/19 17:18	2.33	100	CF92446
Silver	ND (0.90)		6010C		2	KJK	06/25/19 17:18	2.33	100	CF92446
Thallium	ND (4.52)		6010C		1	KJK	06/25/19 5:06	2.33	100	CF92446
Zinc	**53.9** (2.26)		6010C		1	KJK	06/25/19 5:06	2.33	100	CF92446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG
Date Sampled: 06/21/19 12:00
Percent Solids: 95
Initial Volume: 13.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,1,1-Trichloroethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,1,2,2-Tetrachloroethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,1,2-Trichloroethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,1-Dichloroethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,1-Dichloroethene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,1-Dichloropropene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,2,3-Trichlorobenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,2,3-Trichloropropane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,2,4-Trichlorobenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,2,4-Trimethylbenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,2-Dibromo-3-Chloropropane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,2-Dibromoethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,2-Dichlorobenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,2-Dichloroethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,2-Dichloropropane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,3,5-Trimethylbenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,3-Dichlorobenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,3-Dichloropropane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,4-Dichlorobenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,4-Dioxane	ND (0.0402)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1-Chlorohexane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
2,2-Dichloropropane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
2-Butanone	ND (0.0201)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
2-Chlorotoluene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
2-Hexanone	ND (0.0201)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
4-Chlorotoluene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
4-Isopropyltoluene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
4-Methyl-2-Pentanone	ND (0.0201)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Acetone	ND (0.0201)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Benzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Bromobenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG
Date Sampled: 06/21/19 12:00
Percent Solids: 95
Initial Volume: 13.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Bromodichloromethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Bromoform	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Bromomethane	ND (0.0040)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Carbon Disulfide	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Carbon Tetrachloride	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Chlorobenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Chloroethane	ND (0.0040)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Chloroform	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Chloromethane	ND (0.0040)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
cis-1,2-Dichloroethene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
cis-1,3-Dichloropropene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Dibromochloromethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Dibromomethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Dichlorodifluoromethane	ND (0.0040)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Diethyl Ether	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Di-isopropyl ether	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Ethyl tertiary-butyl ether	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Ethylbenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Hexachlorobutadiene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Isopropylbenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Methyl tert-Butyl Ether	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Methylene Chloride	ND (0.0101)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Naphthalene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
n-Butylbenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
n-Propylbenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
sec-Butylbenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Styrene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
tert-Butylbenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Tertiary-amyl methyl ether	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Tetrachloroethene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Tetrahydrofuran	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG
Date Sampled: 06/21/19 12:00
Percent Solids: 95
Initial Volume: 13.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
trans-1,2-Dichloroethene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
trans-1,3-Dichloropropene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Trichloroethene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Trichlorofluoromethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Vinyl Acetate	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Vinyl Chloride	ND (0.0040)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Xylene O	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Xylene P,M	ND (0.0040)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Xylenes (Total)	ND (0.00402)		8260B Low		1	06/24/19 19:50		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*113 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*91 %*		*70-130*
Surrogate: Dibromofluoromethane	*107 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG
Date Sampled: 06/21/19 12:00
Percent Solids: 95
Initial Volume: 19
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 6/24/19 10:45

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (41.6)		8100M		1	06/24/19 16:37	C9F0376	CF92409

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*79 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG
Date Sampled: 06/21/19 12:00
Percent Solids: 95
Initial Volume: 15.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/25/19 11:15

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
1,2,4-Trichlorobenzene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
1,2-Dichlorobenzene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
1,3-Dichlorobenzene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
1,4-Dichlorobenzene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2,3,4,6-Tetrachlorophenol	ND (1.69)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2,4,5-Trichlorophenol	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2,4,6-Trichlorophenol	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2,4-Dichlorophenol	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2,4-Dimethylphenol	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2,4-Dinitrophenol	ND (1.69)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2,4-Dinitrotoluene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2,6-Dinitrotoluene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2-Chloronaphthalene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2-Chlorophenol	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2-Methylnaphthalene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2-Methylphenol	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2-Nitroaniline	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2-Nitrophenol	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
3,3′-Dichlorobenzidine	ND (0.676)		8270D		1	06/25/19 18:11	C9F0401	CF92514
3+4-Methylphenol	ND (0.676)		8270D		1	06/25/19 18:11	C9F0401	CF92514
3-Nitroaniline	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
4,6-Dinitro-2-Methylphenol	ND (1.69)		8270D		1	06/25/19 18:11	C9F0401	CF92514
4-Bromophenyl-phenylether	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
4-Chloro-3-Methylphenol	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
4-Chloroaniline	ND (0.676)		8270D		1	06/25/19 18:11	C9F0401	CF92514
4-Chloro-phenyl-phenyl ether	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
4-Nitroaniline	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
4-Nitrophenol	ND (1.69)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Acenaphthene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Acenaphthylene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Acetophenone	ND (0.676)		8270D		1	06/25/19 18:11	C9F0401	CF92514

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG
Date Sampled: 06/21/19 12:00
Percent Solids: 95
Initial Volume: 15.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/25/19 11:15

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.676)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Anthracene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Azobenzene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Benzo(a)anthracene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Benzo(a)pyrene	ND (0.169)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Benzo(b)fluoranthene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Benzo(g,h,i)perylene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Benzo(k)fluoranthene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Benzoic Acid	ND (1.69)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Benzyl Alcohol	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
bis(2-Chloroethoxy)methane	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
bis(2-Chloroethyl)ether	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
bis(2-chloroisopropyl)Ether	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
bis(2-Ethylhexyl)phthalate	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Butylbenzylphthalate	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Carbazole	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Chrysene	ND (0.169)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Dibenzo(a,h)Anthracene	ND (0.169)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Dibenzofuran	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Diethylphthalate	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Dimethylphthalate	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Di-n-butylphthalate	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Di-n-octylphthalate	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Fluoranthene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Fluorene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Hexachlorobenzene	ND (0.169)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Hexachlorobutadiene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Hexachlorocyclopentadiene	ND (1.69)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Hexachloroethane	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Indeno(1,2,3-cd)Pyrene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Isophorone	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Naphthalene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG
Date Sampled: 06/21/19 12:00
Percent Solids: 95
Initial Volume: 15.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/25/19 11:15

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
N-Nitrosodimethylamine	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
N-Nitroso-Di-n-Propylamine	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
N-nitrosodiphenylamine	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Pentachlorophenol	ND (1.69)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Phenanthrene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Phenol	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Pyrene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Pyridine	ND (1.69)		8270D		1	06/25/19 18:11	C9F0401	CF92514

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*67 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*75 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*72 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*68 %*		*30-130*
Surrogate: 2-Fluorophenol	*63 %*		*30-130*
Surrogate: Nitrobenzene-d5	*62 %*		*30-130*
Surrogate: Phenol-d6	*73 %*		*30-130*
Surrogate: p-Terphenyl-d14	*87 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG-A1
Date Sampled: 06/21/19 12:00
Percent Solids: 95

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.53)		6010C		1	KJK	06/25/19 18:45	2.09	100	CF92446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG-A2
Date Sampled: 06/21/19 12:00
Percent Solids: 95

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.52)		6010C		1	KJK	06/25/19 18:57	2.09	100	CF92446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG-A3
Date Sampled: 06/21/19 12:00
Percent Solids: 93

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.22** (2.46)		6010C		1	KJK	06/25/19 19:01	2.18	100	CF92446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA
Date Sampled: 06/21/19 12:00
Percent Solids: 93

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-05
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.44)		6010C		1	KJK	06/25/19 5:50	2.42	100	CF92446
Arsenic	**2.61** (2.22)		6010C		1	KJK	06/25/19 19:06	2.42	100	CF92446
Beryllium	**0.44** (0.10)		6010C		1	KJK	06/25/19 19:06	2.42	100	CF92446
Cadmium	ND (0.44)		6010C		1	KJK	06/25/19 5:50	2.42	100	CF92446
Chromium	**23.7** (0.89)		6010C		1	KJK	06/25/19 19:06	2.42	100	CF92446
Copper	**30.1** (2.22)		6010C		1	KJK	06/25/19 5:50	2.42	100	CF92446
Lead	ND (4.44)		6010C		1	KJK	06/25/19 5:50	2.42	100	CF92446
Mercury	ND (0.028)		7471B		1	MKS	06/25/19 12:05	0.76	40	CF92447
Nickel	**15.5** (2.22)		6010C		1	KJK	06/25/19 5:50	2.42	100	CF92446
Selenium	ND (4.44)		6010C		1	KJK	06/25/19 19:06	2.42	100	CF92446
Silver	ND (0.89)		6010C		2	KJK	06/25/19 18:03	2.42	100	CF92446
Thallium	ND (4.44)		6010C		1	KJK	06/25/19 5:50	2.42	100	CF92446
Zinc	**59.3** (2.22)		6010C		1	KJK	06/25/19 5:50	2.42	100	CF92446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA
Date Sampled: 06/21/19 12:00
Percent Solids: 93
Initial Volume: 10.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,1,1-Trichloroethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,1,2,2-Tetrachloroethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,1,2-Trichloroethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,1-Dichloroethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,1-Dichloroethene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,1-Dichloropropene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,2,3-Trichlorobenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,2,3-Trichloropropane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,2,4-Trichlorobenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,2,4-Trimethylbenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,2-Dibromo-3-Chloropropane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,2-Dibromoethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,2-Dichlorobenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,2-Dichloroethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,2-Dichloropropane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,3,5-Trimethylbenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,3-Dichlorobenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,3-Dichloropropane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,4-Dichlorobenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,4-Dioxane	ND (0.0527)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1-Chlorohexane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
2,2-Dichloropropane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
2-Butanone	ND (0.0264)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
2-Chlorotoluene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
2-Hexanone	ND (0.0264)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
4-Chlorotoluene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
4-Isopropyltoluene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
4-Methyl-2-Pentanone	ND (0.0264)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Acetone	ND (0.0264)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Benzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Bromobenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA
Date Sampled: 06/21/19 12:00
Percent Solids: 93
Initial Volume: 10.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Bromodichloromethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Bromoform	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Bromomethane	ND (0.0053)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Carbon Disulfide	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Carbon Tetrachloride	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Chlorobenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Chloroethane	ND (0.0053)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Chloroform	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Chloromethane	ND (0.0053)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
cis-1,2-Dichloroethene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
cis-1,3-Dichloropropene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Dibromochloromethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Dibromomethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Dichlorodifluoromethane	ND (0.0053)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Diethyl Ether	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Di-isopropyl ether	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Ethyl tertiary-butyl ether	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Ethylbenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Hexachlorobutadiene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Isopropylbenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Methyl tert-Butyl Ether	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Methylene Chloride	ND (0.0132)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Naphthalene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
n-Butylbenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
n-Propylbenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
sec-Butylbenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Styrene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
tert-Butylbenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Tertiary-amyl methyl ether	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Tetrachloroethene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Tetrahydrofuran	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA
Date Sampled: 06/21/19 12:00
Percent Solids: 93
Initial Volume: 10.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
trans-1,2-Dichloroethene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
trans-1,3-Dichloropropene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Trichloroethene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Trichlorofluoromethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Vinyl Acetate	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Vinyl Chloride	ND (0.0053)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Xylene O	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Xylene P,M	ND (0.0053)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Xylenes (Total)	ND (0.00527)		8260B Low		1	06/24/19 20:16		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*108 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*90 %*		*70-130*
Surrogate: Dibromofluoromethane	*104 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA
Date Sampled: 06/21/19 12:00
Percent Solids: 93
Initial Volume: 19.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 6/24/19 10:45

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (42.2)		8100M		1	06/24/19 17:09	C9F0376	CF92409

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*82 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA
Date Sampled: 06/21/19 12:00
Percent Solids: 93
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/25/19 11:15

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
1,2,4-Trichlorobenzene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
1,2-Dichlorobenzene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
1,3-Dichlorobenzene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
1,4-Dichlorobenzene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2,3,4,6-Tetrachlorophenol	ND (1.87)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2,4,5-Trichlorophenol	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2,4,6-Trichlorophenol	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2,4-Dichlorophenol	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2,4-Dimethylphenol	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2,4-Dinitrophenol	ND (1.87)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2,4-Dinitrotoluene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2,6-Dinitrotoluene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2-Chloronaphthalene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2-Chlorophenol	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2-Methylnaphthalene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2-Methylphenol	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2-Nitroaniline	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2-Nitrophenol	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
3,3′-Dichlorobenzidine	ND (0.747)		8270D		1	06/25/19 18:38	C9F0401	CF92514
3+4-Methylphenol	ND (0.747)		8270D		1	06/25/19 18:38	C9F0401	CF92514
3-Nitroaniline	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
4,6-Dinitro-2-Methylphenol	ND (1.87)		8270D		1	06/25/19 18:38	C9F0401	CF92514
4-Bromophenyl-phenylether	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
4-Chloro-3-Methylphenol	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
4-Chloroaniline	ND (0.747)		8270D		1	06/25/19 18:38	C9F0401	CF92514
4-Chloro-phenyl-phenyl ether	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
4-Nitroaniline	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
4-Nitrophenol	ND (1.87)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Acenaphthene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Acenaphthylene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Acetophenone	ND (0.747)		8270D		1	06/25/19 18:38	C9F0401	CF92514

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA
Date Sampled: 06/21/19 12:00
Percent Solids: 93
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/25/19 11:15

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.747)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Anthracene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Azobenzene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Benzo(a)anthracene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Benzo(a)pyrene	ND (0.187)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Benzo(b)fluoranthene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Benzo(g,h,i)perylene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Benzo(k)fluoranthene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Benzoic Acid	ND (1.87)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Benzyl Alcohol	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
bis(2-Chloroethoxy)methane	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
bis(2-Chloroethyl)ether	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
bis(2-chloroisopropyl)Ether	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
bis(2-Ethylhexyl)phthalate	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Butylbenzylphthalate	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Carbazole	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Chrysene	ND (0.187)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Dibenzo(a,h)Anthracene	ND (0.187)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Dibenzofuran	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Diethylphthalate	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Dimethylphthalate	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Di-n-butylphthalate	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Di-n-octylphthalate	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Fluoranthene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Fluorene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Hexachlorobenzene	ND (0.187)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Hexachlorobutadiene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Hexachlorocyclopentadiene	ND (1.87)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Hexachloroethane	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Indeno(1,2,3-cd)Pyrene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Isophorone	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Naphthalene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA
Date Sampled: 06/21/19 12:00
Percent Solids: 93
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/25/19 11:15

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
N-Nitrosodimethylamine	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
N-Nitroso-Di-n-Propylamine	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
N-nitrosodiphenylamine	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Pentachlorophenol	ND (1.87)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Phenanthrene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Phenol	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Pyrene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Pyridine	ND (1.87)		8270D		1	06/25/19 18:38	C9F0401	CF92514

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*63 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*73 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*64 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*66 %*		*30-130*
Surrogate: 2-Fluorophenol	*57 %*		*30-130*
Surrogate: Nitrobenzene-d5	*58 %*		*30-130*
Surrogate: Phenol-d6	*64 %*		*30-130*
Surrogate: p-Terphenyl-d14	*93 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA-A1
Date Sampled: 06/21/19 12:00
Percent Solids: 94

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-06
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.45)		6010C		1	KJK	06/25/19 19:36	2.18	100	CF92446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA-A2
Date Sampled: 06/21/19 12:00
Percent Solids: 94

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-07
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.76** (2.34)		6010C		1	KJK	06/25/19 19:41	2.28	100	CF92446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA-A3
Date Sampled: 06/21/19 12:00
Percent Solids: 93

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-08
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.26)		6010C		1	KJK	06/25/19 20:00	2.38	100	CF92446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CF92446 - 3050B										
Blank										
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	5.00	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	37.0	16.7	mg/kg wet	42.40		87	80-120			
Arsenic	108	8.33	mg/kg wet	128.0		84	80-120			
Beryllium	192	0.37	mg/kg wet	217.0		88	80-120			
Cadmium	80.0	1.67	mg/kg wet	99.00		81	80-120			
Chromium	100	3.33	mg/kg wet	116.0		87	80-120			
Copper	75.0	8.33	mg/kg wet	89.60		84	80-120			
Lead	247	16.7	mg/kg wet	277.0		89	80-120			
Nickel	103	8.33	mg/kg wet	107.0		96	80-120			
Selenium	212	16.7	mg/kg wet	242.0		88	80-120			
Silver	55.8	1.67	mg/kg wet	64.30		87	80-120			
Thallium	162	16.7	mg/kg wet	183.0		89	80-120			
Zinc	468	8.33	mg/kg wet	561.0		83	80-120			
LCS Dup										
Antimony	43.9	19.2	mg/kg wet	42.40		104	80-120	17	20	
Arsenic	140	9.62	mg/kg wet	128.0		109	80-120	25	20	
Beryllium	242	0.42	mg/kg wet	217.0		111	80-120	23	20	
Cadmium	103	1.92	mg/kg wet	99.00		105	80-120	26	20	
Chromium	136	3.85	mg/kg wet	116.0		117	80-120	30	20	
Copper	101	9.62	mg/kg wet	89.60		112	80-120	29	20	
Lead	314	19.2	mg/kg wet	277.0		113	80-120	24	20	D+
Nickel	126	9.62	mg/kg wet	107.0		118	80-120	21	20	
Selenium	222	19.2	mg/kg wet	242.0		92	80-120	4	20	
Silver	76.8	1.92	mg/kg wet	64.30		119	80-120	32	20	
Thallium	205	19.2	mg/kg wet	183.0		112	80-120	23	20	
Zinc	635	9.62	mg/kg wet	561.0		113	80-120	30	20	
Batch CF92447 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	11.5	0.917	mg/kg wet	16.80		68	51-105			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CF92447 - 7471B										
LCS Dup										
Mercury	13.5	0.971	mg/kg wet	16.80		80	51-105	16	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch CF92443 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CF92443 - 5035										
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0513*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0453*		mg/kg wet	*0.05000*		*91*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0511*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.0493*		mg/kg wet	*0.05000*		*99*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			
1,1,1-Trichloroethane	0.0593	0.0050	mg/kg wet	0.05000		119	70-130			
1,1,2,2-Tetrachloroethane	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
1,1,2-Trichloroethane	0.0553	0.0050	mg/kg wet	0.05000		111	70-130			
1,1-Dichloroethane	0.0569	0.0050	mg/kg wet	0.05000		114	70-130			
1,1-Dichloroethene	0.0550	0.0050	mg/kg wet	0.05000		110	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CF92443 - 5035										
1,1-Dichloropropene	0.0552	0.0050	mg/kg wet	0.05000		110	70-130			
1,2,3-Trichlorobenzene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
1,2,3-Trichloropropane	0.0504	0.0050	mg/kg wet	0.05000		101	70-130			
1,2,4-Trichlorobenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
1,2,4-Trimethylbenzene	0.0525	0.0050	mg/kg wet	0.05000		105	70-130			
1,2-Dibromo-3-Chloropropane	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
1,2-Dibromoethane	0.0539	0.0050	mg/kg wet	0.05000		108	70-130			
1,2-Dichlorobenzene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
1,2-Dichloroethane	0.0577	0.0050	mg/kg wet	0.05000		115	70-130			
1,2-Dichloropropane	0.0546	0.0050	mg/kg wet	0.05000		109	70-130			
1,3,5-Trimethylbenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
1,3-Dichlorobenzene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
1,3-Dichloropropane	0.0554	0.0050	mg/kg wet	0.05000		111	70-130			
1,4-Dichlorobenzene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
1,4-Dioxane	0.893	0.100	mg/kg wet	1.000		89	70-130			
1-Chlorohexane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
2,2-Dichloropropane	0.0586	0.0050	mg/kg wet	0.05000		117	70-130			
2-Butanone	0.272	0.0500	mg/kg wet	0.2500		109	70-130			
2-Chlorotoluene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
2-Hexanone	0.261	0.0500	mg/kg wet	0.2500		104	70-130			
4-Chlorotoluene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
4-Isopropyltoluene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130			
4-Methyl-2-Pentanone	0.256	0.0500	mg/kg wet	0.2500		102	70-130			
Acetone	0.254	0.0500	mg/kg wet	0.2500		102	70-130			
Benzene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130			
Bromobenzene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
Bromochloromethane	0.0539	0.0050	mg/kg wet	0.05000		108	70-130			
Bromodichloromethane	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
Bromoform	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
Bromomethane	0.0544	0.0100	mg/kg wet	0.05000		109	70-130			
Carbon Disulfide	0.0580	0.0050	mg/kg wet	0.05000		116	70-130			
Carbon Tetrachloride	0.0551	0.0050	mg/kg wet	0.05000		110	70-130			
Chlorobenzene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
Chloroethane	0.0534	0.0100	mg/kg wet	0.05000		107	70-130			
Chloroform	0.0561	0.0050	mg/kg wet	0.05000		112	70-130			
Chloromethane	0.0575	0.0100	mg/kg wet	0.05000		115	70-130			
cis-1,2-Dichloroethene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130			
cis-1,3-Dichloropropene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			
Dibromochloromethane	0.0501	0.0050	mg/kg wet	0.05000		100	70-130			
Dibromomethane	0.0556	0.0050	mg/kg wet	0.05000		111	70-130			
Dichlorodifluoromethane	0.0577	0.0100	mg/kg wet	0.05000		115	70-130			
Diethyl Ether	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
Di-isopropyl ether	0.0538	0.0050	mg/kg wet	0.05000		108	70-130			
Ethyl tertiary-butyl ether	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
Ethylbenzene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CF92443 - 5035										
Hexachlorobutadiene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130			
Isopropylbenzene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
Methyl tert-Butyl Ether	0.0551	0.0050	mg/kg wet	0.05000		110	70-130			
Methylene Chloride	0.0505	0.0250	mg/kg wet	0.05000		101	70-130			
Naphthalene	0.0487	0.0050	mg/kg wet	0.05000		97	70-130			
n-Butylbenzene	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
n-Propylbenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
sec-Butylbenzene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
Styrene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
tert-Butylbenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
Tertiary-amyl methyl ether	0.0533	0.0050	mg/kg wet	0.05000		107	70-130			
Tetrachloroethene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
Tetrahydrofuran	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
Toluene	0.0528	0.0050	mg/kg wet	0.05000		106	70-130			
trans-1,2-Dichloroethene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
trans-1,3-Dichloropropene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
Trichloroethene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130			
Trichlorofluoromethane	0.0581	0.0050	mg/kg wet	0.05000		116	70-130			
Vinyl Acetate	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
Vinyl Chloride	0.0566	0.0100	mg/kg wet	0.05000		113	70-130			
Xylene O	0.0528	0.0050	mg/kg wet	0.05000		106	70-130			
Xylene P,M	0.105	0.0100	mg/kg wet	0.1000		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0496*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0489*		mg/kg wet	*0.05000*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0507*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0500*		mg/kg wet	*0.05000*		*100*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	1	25	
1,1,1-Trichloroethane	0.0617	0.0050	mg/kg wet	0.05000		123	70-130	4	25	
1,1,2,2-Tetrachloroethane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	7	25	
1,1,2-Trichloroethane	0.0569	0.0050	mg/kg wet	0.05000		114	70-130	3	25	
1,1-Dichloroethane	0.0590	0.0050	mg/kg wet	0.05000		118	70-130	4	25	
1,1-Dichloroethene	0.0581	0.0050	mg/kg wet	0.05000		116	70-130	5	25	
1,1-Dichloropropene	0.0581	0.0050	mg/kg wet	0.05000		116	70-130	5	25	
1,2,3-Trichlorobenzene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	7	25	
1,2,3-Trichloropropane	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	7	25	
1,2,4-Trichlorobenzene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	7	25	
1,2,4-Trimethylbenzene	0.0558	0.0050	mg/kg wet	0.05000		112	70-130	6	25	
1,2-Dibromo-3-Chloropropane	0.0550	0.0050	mg/kg wet	0.05000		110	70-130	8	25	
1,2-Dibromoethane	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	2	25	
1,2-Dichlorobenzene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	6	25	
1,2-Dichloroethane	0.0587	0.0050	mg/kg wet	0.05000		117	70-130	2	25	
1,2-Dichloropropane	0.0557	0.0050	mg/kg wet	0.05000		111	70-130	2	25	
1,3,5-Trimethylbenzene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	7	25	
1,3-Dichlorobenzene	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	7	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CF92443 - 5035										
1,3-Dichloropropane	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	2	25	
1,4-Dichlorobenzene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	5	25	
1,4-Dioxane	0.998	0.100	mg/kg wet	1.000		100	70-130	11	20	
1-Chlorohexane	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	5	25	
2,2-Dichloropropane	0.0604	0.0050	mg/kg wet	0.05000		121	70-130	3	25	
2-Butanone	0.300	0.0500	mg/kg wet	0.2500		120	70-130	10	25	
2-Chlorotoluene	0.0528	0.0050	mg/kg wet	0.05000		106	70-130	7	25	
2-Hexanone	0.288	0.0500	mg/kg wet	0.2500		115	70-130	10	25	
4-Chlorotoluene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	6	25	
4-Isopropyltoluene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	7	25	
4-Methyl-2-Pentanone	0.267	0.0500	mg/kg wet	0.2500		107	70-130	4	25	
Acetone	0.340	0.0500	mg/kg wet	0.2500		136	70-130	29	25	B+, D+
Benzene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	4	25	
Bromobenzene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	6	25	
Bromochloromethane	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	3	25	
Bromodichloromethane	0.0554	0.0050	mg/kg wet	0.05000		111	70-130	2	25	
Bromoform	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	3	25	
Bromomethane	0.0545	0.0100	mg/kg wet	0.05000		109	70-130	0.07	25	
Carbon Disulfide	0.0603	0.0050	mg/kg wet	0.05000		121	70-130	4	25	
Carbon Tetrachloride	0.0565	0.0050	mg/kg wet	0.05000		113	70-130	3	25	
Chlorobenzene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	3	25	
Chloroethane	0.0555	0.0100	mg/kg wet	0.05000		111	70-130	4	25	
Chloroform	0.0568	0.0050	mg/kg wet	0.05000		114	70-130	1	25	
Chloromethane	0.0589	0.0100	mg/kg wet	0.05000		118	70-130	3	25	
cis-1,2-Dichloroethene	0.0578	0.0050	mg/kg wet	0.05000		116	70-130	3	25	
cis-1,3-Dichloropropene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	3	25	
Dibromochloromethane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130	2	25	
Dibromomethane	0.0570	0.0050	mg/kg wet	0.05000		114	70-130	3	25	
Dichlorodifluoromethane	0.0586	0.0100	mg/kg wet	0.05000		117	70-130	1	25	
Diethyl Ether	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	4	25	
Di-isopropyl ether	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	3	25	
Ethyl tertiary-butyl ether	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	3	25	
Ethylbenzene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	3	25	
Hexachlorobutadiene	0.0552	0.0050	mg/kg wet	0.05000		110	70-130	5	25	
Isopropylbenzene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	8	25	
Methyl tert-Butyl Ether	0.0573	0.0050	mg/kg wet	0.05000		115	70-130	4	25	
Methylene Chloride	0.0510	0.0250	mg/kg wet	0.05000		102	70-130	1	25	
Naphthalene	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	10	25	
n-Butylbenzene	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	7	25	
n-Propylbenzene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	7	25	
sec-Butylbenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	6	25	
Styrene	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	1	25	
tert-Butylbenzene	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	7	25	
Tertiary-amyl methyl ether	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	3	25	
Tetrachloroethene	0.0558	0.0050	mg/kg wet	0.05000		112	70-130	7	25	

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Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CF92443 - 5035										
Tetrahydrofuran	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	4	25	
Toluene	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	4	25	
trans-1,2-Dichloroethene	0.0568	0.0050	mg/kg wet	0.05000		114	70-130	4	25	
trans-1,3-Dichloropropene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	2	25	
Trichloroethene	0.0565	0.0050	mg/kg wet	0.05000		113	70-130	3	25	
Trichlorofluoromethane	0.0603	0.0050	mg/kg wet	0.05000		121	70-130	4	25	
Vinyl Acetate	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	5	25	
Vinyl Chloride	0.0587	0.0100	mg/kg wet	0.05000		117	70-130	4	25	
Xylene O	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	2	25	
Xylene P,M	0.109	0.0100	mg/kg wet	0.1000		109	70-130	4	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0477*		mg/kg wet	*0.05000*		*95*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0466*		mg/kg wet	*0.05000*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0490*		mg/kg wet	*0.05000*		*98*	*70-130*			
Surrogate: Toluene-d8	*0.0486*		mg/kg wet	*0.05000*		*97*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch CF92409 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.09*		mg/kg wet	*5.000*		*82*	*40-140*			
LCS										
Decane (C10)	1.9	0.2	mg/kg wet	2.500		75	40-140			
Docosane (C22)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Dodecane (C12)	1.9	0.2	mg/kg wet	2.500		78	40-140			
Eicosane (C20)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Hexacosane (C26)	2.0	0.2	mg/kg wet	2.500		82	40-140			
Hexadecane (C16)	2.0	0.2	mg/kg wet	2.500		80	40-140			
Nonadecane (C19)	2.1	0.2	mg/kg wet	2.500		86	40-140			
Nonane (C9)	1.7	0.2	mg/kg wet	2.500		67	30-140			
Octacosane (C28)	2.0	0.2	mg/kg wet	2.500		81	40-140			
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		83	40-140			

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Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CF92409 - 3546										
Tetracosane (C24)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		78	40-140			
Total Petroleum Hydrocarbons	28.0	37.5	mg/kg wet	35.00		80	40-140			
Triacontane (C30)	2.0	0.2	mg/kg wet	2.500		80	40-140			
Surrogate: O-Terphenyl	*4.29*		mg/kg wet	*5.000*		*86*	*40-140*			
LCS Dup										
Decane (C10)	2.0	0.2	mg/kg wet	2.500		80	40-140	6	25	
Docosane (C22)	2.1	0.2	mg/kg wet	2.500		86	40-140	1	25	
Dodecane (C12)	2.1	0.2	mg/kg wet	2.500		84	40-140	7	25	
Eicosane (C20)	2.1	0.2	mg/kg wet	2.500		86	40-140	2	25	
Hexacosane (C26)	2.1	0.2	mg/kg wet	2.500		82	40-140	0.8	25	
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		84	40-140	6	25	
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		87	40-140	2	25	
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		71	30-140	5	25	
Octacosane (C28)	2.0	0.2	mg/kg wet	2.500		81	40-140	0.1	25	
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		85	40-140	3	25	
Tetracosane (C24)	2.1	0.2	mg/kg wet	2.500		85	40-140	1	25	
Tetradecane (C14)	2.1	0.2	mg/kg wet	2.500		84	40-140	7	25	
Total Petroleum Hydrocarbons	28.8	37.5	mg/kg wet	35.00		82	40-140	3	25	
Triacontane (C30)	2.0	0.2	mg/kg wet	2.500		79	40-140	0.8	25	
Surrogate: O-Terphenyl	*4.32*		mg/kg wet	*5.000*		*86*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch CF92514 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF92514 - 3546										
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.333	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.167	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF92514 - 3546										
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.76*		mg/kg wet	*3.333*		*83*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.10*		mg/kg wet	*5.000*		*82*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.24*		mg/kg wet	*5.000*		*85*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.99*		mg/kg wet	*3.333*		*90*	*30-130*			
Surrogate: 2-Fluorophenol	*3.90*		mg/kg wet	*5.000*		*78*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.65*		mg/kg wet	*3.333*		*79*	*30-130*			
Surrogate: Phenol-d6	*4.14*		mg/kg wet	*5.000*		*83*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.67*		mg/kg wet	*3.333*		*110*	*30-130*			
LCS										
1,1-Biphenyl	2.38	0.333	mg/kg wet	3.333		72	40-140			
1,2,4-Trichlorobenzene	2.49	0.333	mg/kg wet	3.333		75	40-140			
1,2-Dichlorobenzene	2.28	0.333	mg/kg wet	3.333		68	40-140			
1,3-Dichlorobenzene	2.26	0.333	mg/kg wet	3.333		68	40-140			
1,4-Dichlorobenzene	2.27	0.333	mg/kg wet	3.333		68	40-140			
2,3,4,6-Tetrachlorophenol	2.45	1.67	mg/kg wet	3.333		73	30-130			
2,4,5-Trichlorophenol	2.48	0.333	mg/kg wet	3.333		75	30-130			
2,4,6-Trichlorophenol	2.41	0.333	mg/kg wet	3.333		72	30-130			
2,4-Dichlorophenol	2.60	0.333	mg/kg wet	3.333		78	30-130			
2,4-Dimethylphenol	2.49	0.333	mg/kg wet	3.333		75	30-130			
2,4-Dinitrophenol	2.48	1.67	mg/kg wet	3.333		74	30-130			
2,4-Dinitrotoluene	2.84	0.333	mg/kg wet	3.333		85	40-140			
2,6-Dinitrotoluene	2.49	0.333	mg/kg wet	3.333		75	40-140			
2-Chloronaphthalene	2.54	0.333	mg/kg wet	3.333		76	40-140			
2-Chlorophenol	2.38	0.333	mg/kg wet	3.333		71	30-130			
2-Methylnaphthalene	2.32	0.333	mg/kg wet	3.333		70	40-140			
2-Methylphenol	2.35	0.333	mg/kg wet	3.333		71	30-130			
2-Nitroaniline	1.96	0.333	mg/kg wet	3.333		59	40-140			
2-Nitrophenol	2.56	0.333	mg/kg wet	3.333		77	30-130			
3,3´-Dichlorobenzidine	2.36	0.667	mg/kg wet	3.333		71	40-140			
3+4-Methylphenol	4.92	0.667	mg/kg wet	6.667		74	30-130			
3-Nitroaniline	2.13	0.333	mg/kg wet	3.333		64	40-140			
4,6-Dinitro-2-Methylphenol	2.80	1.67	mg/kg wet	3.333		84	30-130			
4-Bromophenyl-phenylether	2.57	0.333	mg/kg wet	3.333		77	40-140			
4-Chloro-3-Methylphenol	2.61	0.333	mg/kg wet	3.333		78	30-130			
4-Chloroaniline	2.31	0.667	mg/kg wet	3.333		69	40-140			

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ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF92514 - 3546										
4-Chloro-phenyl-phenyl ether	2.63	0.333	mg/kg wet	3.333		79	40-140			
4-Nitroaniline	2.18	0.333	mg/kg wet	3.333		65	40-140			
4-Nitrophenol	2.44	1.67	mg/kg wet	3.333		73	30-130			
Acenaphthene	2.44	0.333	mg/kg wet	3.333		73	40-140			
Acenaphthylene	2.34	0.333	mg/kg wet	3.333		70	40-140			
Acetophenone	2.26	0.667	mg/kg wet	3.333		68	40-140			
Aniline	2.01	0.667	mg/kg wet	3.333		60	40-140			
Anthracene	2.52	0.333	mg/kg wet	3.333		76	40-140			
Azobenzene	2.25	0.333	mg/kg wet	3.333		67	40-140			
Benzo(a)anthracene	2.82	0.333	mg/kg wet	3.333		85	40-140			
Benzo(a)pyrene	2.63	0.167	mg/kg wet	3.333		79	40-140			
Benzo(b)fluoranthene	2.66	0.333	mg/kg wet	3.333		80	40-140			
Benzo(g,h,i)perylene	2.65	0.333	mg/kg wet	3.333		80	40-140			
Benzo(k)fluoranthene	2.74	0.333	mg/kg wet	3.333		82	40-140			
Benzoic Acid	3.16	1.67	mg/kg wet	3.333		95	40-140			
Benzyl Alcohol	1.88	0.333	mg/kg wet	3.333		57	40-140			
bis(2-Chloroethoxy)methane	2.30	0.333	mg/kg wet	3.333		69	40-140			
bis(2-Chloroethyl)ether	2.20	0.333	mg/kg wet	3.333		66	40-140			
bis(2-chloroisopropyl)Ether	2.04	0.333	mg/kg wet	3.333		61	40-140			
bis(2-Ethylhexyl)phthalate	2.90	0.333	mg/kg wet	3.333		87	40-140			
Butylbenzylphthalate	2.82	0.333	mg/kg wet	3.333		85	40-140			
Carbazole	2.50	0.333	mg/kg wet	3.333		75	40-140			
Chrysene	2.66	0.167	mg/kg wet	3.333		80	40-140			
Dibenzo(a,h)Anthracene	2.62	0.167	mg/kg wet	3.333		78	40-140			
Dibenzofuran	2.39	0.333	mg/kg wet	3.333		72	40-140			
Diethylphthalate	2.68	0.333	mg/kg wet	3.333		80	40-140			
Dimethylphthalate	2.54	0.333	mg/kg wet	3.333		76	40-140			
Di-n-butylphthalate	2.68	0.333	mg/kg wet	3.333		80	40-140			
Di-n-octylphthalate	3.05	0.333	mg/kg wet	3.333		92	40-140			
Fluoranthene	2.58	0.333	mg/kg wet	3.333		77	40-140			
Fluorene	2.46	0.333	mg/kg wet	3.333		74	40-140			
Hexachlorobenzene	2.54	0.167	mg/kg wet	3.333		76	40-140			
Hexachlorobutadiene	2.64	0.333	mg/kg wet	3.333		79	40-140			
Hexachlorocyclopentadiene	2.22	1.67	mg/kg wet	3.333		67	40-140			
Hexachloroethane	2.27	0.333	mg/kg wet	3.333		68	40-140			
Indeno(1,2,3-cd)Pyrene	2.44	0.333	mg/kg wet	3.333		73	40-140			
Isophorone	2.27	0.333	mg/kg wet	3.333		68	40-140			
Naphthalene	2.32	0.333	mg/kg wet	3.333		70	40-140			
Nitrobenzene	2.36	0.333	mg/kg wet	3.333		71	40-140			
N-Nitrosodimethylamine	1.77	0.333	mg/kg wet	3.333		53	40-140			
N-Nitroso-Di-n-Propylamine	2.38	0.333	mg/kg wet	3.333		71	40-140			
N-nitrosodiphenylamine	2.01	0.333	mg/kg wet	3.333		60	40-140			
Pentachlorophenol	2.75	1.67	mg/kg wet	3.333		82	30-130			
Phenanthrene	2.39	0.333	mg/kg wet	3.333		72	40-140			
Phenol	2.33	0.333	mg/kg wet	3.333		70	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF92514 - 3546										
Pyrene	2.93	0.333	mg/kg wet	3.333		88	40-140			
Pyridine	1.82	1.67	mg/kg wet	3.333		55	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.68*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.17*		mg/kg wet	*5.000*		*83*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.26*		mg/kg wet	*5.000*		*85*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.98*		mg/kg wet	*3.333*		*90*	*30-130*			
Surrogate: 2-Fluorophenol	*3.78*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.70*		mg/kg wet	*3.333*		*81*	*30-130*			
Surrogate: Phenol-d6	*4.12*		mg/kg wet	*5.000*		*82*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.58*		mg/kg wet	*3.333*		*107*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.38	0.333	mg/kg wet	3.333		71	40-140	0.3	30	
1,2,4-Trichlorobenzene	2.48	0.333	mg/kg wet	3.333		74	40-140	0.2	30	
1,2-Dichlorobenzene	2.35	0.333	mg/kg wet	3.333		70	40-140	3	30	
1,3-Dichlorobenzene	2.32	0.333	mg/kg wet	3.333		70	40-140	3	30	
1,4-Dichlorobenzene	2.33	0.333	mg/kg wet	3.333		70	40-140	2	30	
2,3,4,6-Tetrachlorophenol	2.68	1.67	mg/kg wet	3.333		80	30-130	9	30	
2,4,5-Trichlorophenol	2.57	0.333	mg/kg wet	3.333		77	30-130	3	30	
2,4,6-Trichlorophenol	2.43	0.333	mg/kg wet	3.333		73	30-130	1	30	
2,4-Dichlorophenol	2.58	0.333	mg/kg wet	3.333		78	30-130	0.7	30	
2,4-Dimethylphenol	2.46	0.333	mg/kg wet	3.333		74	30-130	0.8	30	
2,4-Dinitrophenol	2.70	1.67	mg/kg wet	3.333		81	30-130	8	30	
2,4-Dinitrotoluene	3.04	0.333	mg/kg wet	3.333		91	40-140	7	30	
2,6-Dinitrotoluene	2.75	0.333	mg/kg wet	3.333		83	40-140	10	30	
2-Chloronaphthalene	2.50	0.333	mg/kg wet	3.333		75	40-140	2	30	
2-Chlorophenol	2.41	0.333	mg/kg wet	3.333		72	30-130	2	30	
2-Methylnaphthalene	2.28	0.333	mg/kg wet	3.333		68	40-140	2	30	
2-Methylphenol	2.40	0.333	mg/kg wet	3.333		72	30-130	2	30	
2-Nitroaniline	2.05	0.333	mg/kg wet	3.333		61	40-140	4	30	
2-Nitrophenol	2.53	0.333	mg/kg wet	3.333		76	30-130	1	30	
3,3´-Dichlorobenzidine	2.45	0.667	mg/kg wet	3.333		74	40-140	4	30	
3+4-Methylphenol	4.97	0.667	mg/kg wet	6.667		75	30-130	1	30	
3-Nitroaniline	2.30	0.333	mg/kg wet	3.333		69	40-140	8	30	
4,6-Dinitro-2-Methylphenol	2.87	1.67	mg/kg wet	3.333		86	30-130	2	30	
4-Bromophenyl-phenylether	2.54	0.333	mg/kg wet	3.333		76	40-140	1	30	
4-Chloro-3-Methylphenol	2.65	0.333	mg/kg wet	3.333		79	30-130	1	30	
4-Chloroaniline	2.32	0.667	mg/kg wet	3.333		69	40-140	0.3	30	
4-Chloro-phenyl-phenyl ether	2.68	0.333	mg/kg wet	3.333		80	40-140	2	30	
4-Nitroaniline	2.25	0.333	mg/kg wet	3.333		68	40-140	3	30	
4-Nitrophenol	2.60	1.67	mg/kg wet	3.333		78	30-130	6	30	
Acenaphthene	2.50	0.333	mg/kg wet	3.333		75	40-140	3	30	
Acenaphthylene	2.41	0.333	mg/kg wet	3.333		72	40-140	3	30	
Acetophenone	2.29	0.667	mg/kg wet	3.333		69	40-140	1	30	
Aniline	2.05	0.667	mg/kg wet	3.333		61	40-140	2	30	
Anthracene	2.60	0.333	mg/kg wet	3.333		78	40-140	3	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF92514 - 3546										
Azobenzene	2.20	0.333	mg/kg wet	3.333		66	40-140	2	30	
Benzo(a)anthracene	2.83	0.333	mg/kg wet	3.333		85	40-140	0.5	30	
Benzo(a)pyrene	2.72	0.167	mg/kg wet	3.333		82	40-140	3	30	
Benzo(b)fluoranthene	3.09	0.333	mg/kg wet	3.333		93	40-140	15	30	
Benzo(g,h,i)perylene	2.60	0.333	mg/kg wet	3.333		78	40-140	2	30	
Benzo(k)fluoranthene	2.44	0.333	mg/kg wet	3.333		73	40-140	12	30	
Benzoic Acid	3.11	1.67	mg/kg wet	3.333		93	40-140	1	30	
Benzyl Alcohol	1.89	0.333	mg/kg wet	3.333		57	40-140	0.3	30	
bis(2-Chloroethoxy)methane	2.25	0.333	mg/kg wet	3.333		67	40-140	2	30	
bis(2-Chloroethyl)ether	2.26	0.333	mg/kg wet	3.333		68	40-140	2	30	
bis(2-chloroisopropyl)Ether	2.12	0.333	mg/kg wet	3.333		63	40-140	4	30	
bis(2-Ethylhexyl)phthalate	2.94	0.333	mg/kg wet	3.333		88	40-140	1	30	
Butylbenzylphthalate	2.71	0.333	mg/kg wet	3.333		81	40-140	4	30	
Carbazole	2.59	0.333	mg/kg wet	3.333		78	40-140	4	30	
Chrysene	2.77	0.167	mg/kg wet	3.333		83	40-140	4	30	
Dibenzo(a,h)Anthracene	2.65	0.167	mg/kg wet	3.333		79	40-140	1	30	
Dibenzofuran	2.41	0.333	mg/kg wet	3.333		72	40-140	1	30	
Diethylphthalate	2.92	0.333	mg/kg wet	3.333		88	40-140	9	30	
Dimethylphthalate	2.70	0.333	mg/kg wet	3.333		81	40-140	6	30	
Di-n-butylphthalate	2.83	0.333	mg/kg wet	3.333		85	40-140	6	30	
Di-n-octylphthalate	3.14	0.333	mg/kg wet	3.333		94	40-140	3	30	
Fluoranthene	2.68	0.333	mg/kg wet	3.333		81	40-140	4	30	
Fluorene	2.62	0.333	mg/kg wet	3.333		79	40-140	6	30	
Hexachlorobenzene	2.52	0.167	mg/kg wet	3.333		76	40-140	1	30	
Hexachlorobutadiene	2.59	0.333	mg/kg wet	3.333		78	40-140	2	30	
Hexachlorocyclopentadiene	2.19	1.67	mg/kg wet	3.333		66	40-140	1	30	
Hexachloroethane	2.39	0.333	mg/kg wet	3.333		72	40-140	5	30	
Indeno(1,2,3-cd)Pyrene	2.46	0.333	mg/kg wet	3.333		74	40-140	0.9	30	
Isophorone	2.28	0.333	mg/kg wet	3.333		68	40-140	0.7	30	
Naphthalene	2.33	0.333	mg/kg wet	3.333		70	40-140	0.2	30	
Nitrobenzene	2.30	0.333	mg/kg wet	3.333		69	40-140	3	30	
N-Nitrosodimethylamine	1.82	0.333	mg/kg wet	3.333		54	40-140	2	30	
N-Nitroso-Di-n-Propylamine	2.39	0.333	mg/kg wet	3.333		72	40-140	0.3	30	
N-nitrosodiphenylamine	1.96	0.333	mg/kg wet	3.333		59	40-140	2	30	
Pentachlorophenol	2.77	1.67	mg/kg wet	3.333		83	30-130	0.7	30	
Phenanthrene	2.44	0.333	mg/kg wet	3.333		73	40-140	2	30	
Phenol	2.34	0.333	mg/kg wet	3.333		70	30-130	0.3	30	
Pyrene	2.79	0.333	mg/kg wet	3.333		84	40-140	5	30	
Pyridine	1.88	1.67	mg/kg wet	3.333		56	40-140	3	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.66*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.12*		mg/kg wet	*5.000*		*82*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.19*		mg/kg wet	*5.000*		*84*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.91*		mg/kg wet	*3.333*		*87*	*30-130*			
Surrogate: 2-Fluorophenol	*3.68*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.58*		mg/kg wet	*3.333*		*77*	*30-130*			
Surrogate: Phenol-d6	*4.02*		mg/kg wet	*5.000*		*80*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF92514 - 3546										
Surrogate: p-Terphenyl-d14	*3.28*		mg/kg wet	*3.333*		*98*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
D+	Relative percent difference for duplicate is outside of criteria (D+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/HDM

Shipped/Delivered Via: Client

ESS Project ID: 19F0752
Date Received: 6/21/2019
Project Due Date: 6/28/2019
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 4.3 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. Were labs informed about short holds & rushes? Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA
13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 6/21/19 Time: 1600 By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted: Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	359102	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
01	359105	Yes	NA	Yes	VOA Vial - Other	Other	
01	359106	Yes	NA	Yes	VOA Vial - Other	Other	
01	359115	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	359118	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
02	359112	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
03	359111	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
04	359110	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
05	359101	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
05	359103	Yes	NA	Yes	VOA Vial - Other	Other	
05	359104	Yes	NA	Yes	VOA Vial - Other	Other	
05	359113	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
05	359117	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
06	359109	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
07	359108	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
08	359107	Yes	NA	Yes	4 oz. Jar - Unpres	NP	

2nd Review

Were all containers scanned into storage/lab? Initials
Are barcode labels on correct containers? Yes / No
Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA
Are all Hex Chrome stickers attached? Yes / No / NA
Are all QC stickers attached? Yes / No / NA

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/HDM

ESS Project ID: 19F0752

Date Received: 6/21/2019

Are VOA stickers attached if bubbles noted? Yes / No / (NA)

Completed By: _____ Date & Time: 6/21/19 1549

Reviewed By: _____ Date & Time: 6/21/19 1600

Delivered By: _____ 6/21/19 1600

ESS Laboratory
Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 19F0752

Turn Time	5	Days
Regulatory State	RI	
Reporting Limits		

Is this project for any of the following?: ○ CT RCP ○ MA MCP ○ RGP

Electonic Deliverables: ☒ Data Checker ☒ Excel ☑ Other (Please Specify →) PDF

Company Name: GZA	Project #: 33554.04 Task 6.2	Project Name: 642 Allens Ave - FPLP	
Contact Person: Lucas Withers		Address: 188 Valley St. Suite 300	PO #
City: Providence	State: RI	Zip Code: 02909	
Telephone Number: (603) 325-1825	FAX Number	Email Address: Lucas.Withers@gza.com	

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis: VOCs (8260B)	SVOCs (8270D)	TPH (8100 M)	PP-13 Metals	Arsenic	6/10 26/105
1	06-21-19	1200	Composite	Soil	062119-1.5D6	X	X	X	X		X
2					062119-1.5D6-A1					X	
3					062119-1.5D6-A2					X	
4					062119-1.5DL A3					X	
5					062119-1.5D6A	X	X	X	X		X
6					062119-1.5DLA-A1					X	
7					062119-1.5DLA-A2					X	
8					062119-1.5D6A-A3					X	

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial — V | V | AG | AG | AG | AG

Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other* — 7 | 7 | 10 | 10 | 9 | 8

Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other* — 6 | 10 | 1 | 1 | 1 | 1

Number of Containers per Sample: 2 | 4 | 2 | 2 | 6 | 2

Laboratory Use Only

Cooler Present: Y
Seals Intact: NA
Cooler Temperature: 4.3 °C
○ Drop Off ○ Pickup

Sampled by: Lucas Withers

Comments: Please specify "Other" preservative and containers types in this space
National Grid Rates Apply

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
6/21/19, 1415	6/21/19 1419		
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

CERTIFICATE OF ANALYSIS

Sophia Narkiewicz
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: 642 Allens Ave (03.0033554.04)
ESS Laboratory Work Order Number: 19G0612

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 2:46 pm, Jul 29, 2019

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0612

SAMPLE RECEIPT

The following samples were received on July 19, 2019 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	Sample Name	Matrix	Analysis
19G0612-01	071919-1.5 DG-1	Soil	6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D
19G0612-02	071919-1.5 DG-2	Soil	6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D
19G0612-03	071919-1.5 DG-3	Soil	6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D
19G0612-04	071919-1.5 DG-4	Soil	6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D
19G0612-05	071919-1.5 DG-5	Soil	6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D
19G0612-06	071919-1.5 DG-6	Soil	6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D
19G0612-07	071919-1.5 DG-7	Soil	6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D
19G0612-08	071919-1.5 DG-8	Soil	6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D
19G0612-09	071919-AR1	Soil	6010C
19G0612-10	071919-AR2	Soil	6010C
19G0612-11	071919-AR3	Soil	6010C
19G0612-12	071919-AR4	Soil	6010C
19G0612-13	071919-AR5	Soil	6010C
19G0612-14	071919-AR6	Soil	6010C
19G0612-15	071919-AR7	Soil	6010C
19G0612-16	071919-AR8	Soil	6010C
19G0612-17	071919-AR9	Soil	6010C
19G0612-18	071919-AR10	Soil	6010C
19G0612-19	071919-AR11	Soil	6010C
19G0612-20	071919-AR12	Soil	6010C

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0612

PROJECT NARRATIVE

8270D Semi-Volatile Organic Compounds

C9G0403-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (140% @ 80-120%), 4,6-Dinitro-2-Methylphenol (151% @ 80-120%), Benzoic Acid (127% @ 80-120%), Pentachlorophenol (130% @ 80-120%)

C9G0403-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2,4-Dinitrophenol (40% @ 20%), 4,6-Dinitro-2-Methylphenol (51% @ 20%), Benzoic Acid (27% @ 20%), bis(2-Ethylhexyl)phthalate (44% @ 20%), Butylbenzylphthalate (35% @ 20%), Diethylphthalate (21% @ 20%), Di-n-butylphthalate (41% @ 20%), Di-n-octylphthalate (44% @ 20%), Pentachlorophenol (30% @ 20%)

C9G0403-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Hexachlorocyclopentadiene (25% @ 20%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

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Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0612

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-1
Date Sampled: 07/19/19 08:50
Percent Solids: 96

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.58)		6010C		1	NAR	07/20/19 6:30	2.28	100	CG91949
Arsenic	**6.76** (2.29)		6010C		1	NAR	07/20/19 6:30	2.28	100	CG91949
Beryllium	**0.41** (0.10)		6010C		1	NAR	07/20/19 6:30	2.28	100	CG91949
Cadmium	ND (0.46)		6010C		1	NAR	07/20/19 6:30	2.28	100	CG91949
Chromium	**18.9** (0.92)		6010C		1	NAR	07/20/19 6:30	2.28	100	CG91949
Copper	**18.9** (2.29)		6010C		1	NAR	07/20/19 6:30	2.28	100	CG91949
Lead	ND (4.58)		6010C		1	NAR	07/20/19 6:30	2.28	100	CG91949
Mercury	ND (0.030)		7471B		1	MKS	07/22/19 10:43	0.68	40	CG91950
Nickel	**11.2** (2.29)		6010C		1	NAR	07/20/19 6:30	2.28	100	CG91949
Selenium	ND (0.46)		6020A		1	NAR	07/23/19 10:59	2.28	100	CG91949
Silver	ND (0.46)		6010C		1	NAR	07/20/19 6:30	2.28	100	CG91949
Thallium	ND (0.46)		6020A		1	NAR	07/23/19 10:59	2.28	100	CG91949
Zinc	**54.7** (2.29)		6010C		1	NAR	07/20/19 6:30	2.28	100	CG91949

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-1
Date Sampled: 07/19/19 08:50
Percent Solids: 96
Initial Volume: 12.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1,1,1-Trichloroethane	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1,1,2,2-Tetrachloroethane	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1,1,2-Trichloroethane	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1,1-Dichloroethane	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1,1-Dichloroethene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1,1-Dichloropropene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1,2,3-Trichlorobenzene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1,2,3-Trichloropropane	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1,2,4-Trichlorobenzene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1,2,4-Trimethylbenzene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1,2-Dibromo-3-Chloropropane	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1,2-Dibromoethane	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1,2-Dichlorobenzene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1,2-Dichloroethane	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1,2-Dichloropropane	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1,3,5-Trimethylbenzene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1,3-Dichlorobenzene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1,3-Dichloropropane	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1,4-Dichlorobenzene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1,4-Dioxane	ND (0.0424)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
1-Chlorohexane	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
2,2-Dichloropropane	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
2-Butanone	ND (0.0212)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
2-Chlorotoluene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
2-Hexanone	ND (0.0212)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
4-Chlorotoluene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
4-Isopropyltoluene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
4-Methyl-2-Pentanone	ND (0.0212)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Acetone	ND (0.0212)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Benzene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Bromobenzene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-1
Date Sampled: 07/19/19 08:50
Percent Solids: 96
Initial Volume: 12.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Bromodichloromethane	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Bromoform	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Bromomethane	ND (0.0042)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Carbon Disulfide	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Carbon Tetrachloride	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Chlorobenzene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Chloroethane	ND (0.0042)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Chloroform	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Chloromethane	ND (0.0042)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
cis-1,2-Dichloroethene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
cis-1,3-Dichloropropene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Dibromochloromethane	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Dibromomethane	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Dichlorodifluoromethane	ND (0.0042)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Diethyl Ether	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Di-isopropyl ether	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Ethyl tertiary-butyl ether	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Ethylbenzene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Hexachlorobutadiene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Isopropylbenzene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Methyl tert-Butyl Ether	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Methylene Chloride	ND (0.0106)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Naphthalene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
n-Butylbenzene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
n-Propylbenzene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
sec-Butylbenzene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Styrene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
tert-Butylbenzene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Tertiary-amyl methyl ether	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Tetrachloroethene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Tetrahydrofuran	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-1
Date Sampled: 07/19/19 08:50
Percent Solids: 96
Initial Volume: 12.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
trans-1,2-Dichloroethene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
trans-1,3-Dichloropropene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Trichloroethene	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Trichlorofluoromethane	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Vinyl Acetate	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Vinyl Chloride	ND (0.0042)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Xylene O	ND (0.0021)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Xylene P,M	ND (0.0042)		8260B Low		1	07/22/19 3:18	C9G0397	CG92104
Xylenes (Total)	ND (0.00424)		8260B Low		1	07/22/19 3:18		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*120 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*113 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-1
Date Sampled: 07/19/19 08:50
Percent Solids: 96
Initial Volume: 19.6
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 7/20/19 15:35

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (39.9)		8100M		1	07/21/19 19:38	C9G0395	CG92005

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*76 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-1
Date Sampled: 07/19/19 08:50
Percent Solids: 96
Initial Volume: 15.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
1,2,4-Trichlorobenzene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
1,2-Dichlorobenzene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
1,3-Dichlorobenzene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
1,4-Dichlorobenzene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
2,3,4,6-Tetrachlorophenol	ND (1.67)		8270D		1	07/22/19 18:20	C9G0403	CG92101
2,4,5-Trichlorophenol	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
2,4,6-Trichlorophenol	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
2,4-Dichlorophenol	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
2,4-Dimethylphenol	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
2,4-Dinitrophenol	ND (1.67)		8270D		1	07/22/19 18:20	C9G0403	CG92101
2,4-Dinitrotoluene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
2,6-Dinitrotoluene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
2-Chloronaphthalene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
2-Chlorophenol	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
2-Methylnaphthalene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
2-Methylphenol	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
2-Nitroaniline	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
2-Nitrophenol	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
3,3′-Dichlorobenzidine	ND (0.665)		8270D		1	07/22/19 18:20	C9G0403	CG92101
3+4-Methylphenol	ND (0.665)		8270D		1	07/22/19 18:20	C9G0403	CG92101
3-Nitroaniline	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
4,6-Dinitro-2-Methylphenol	ND (1.67)		8270D		1	07/22/19 18:20	C9G0403	CG92101
4-Bromophenyl-phenylether	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
4-Chloro-3-Methylphenol	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
4-Chloroaniline	ND (0.665)		8270D		1	07/22/19 18:20	C9G0403	CG92101
4-Chloro-phenyl-phenyl ether	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
4-Nitroaniline	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
4-Nitrophenol	ND (1.67)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Acenaphthene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Acenaphthylene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Acetophenone	ND (0.665)		8270D		1	07/22/19 18:20	C9G0403	CG92101

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-1
Date Sampled: 07/19/19 08:50
Percent Solids: 96
Initial Volume: 15.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.665)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Anthracene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Azobenzene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Benzo(a)anthracene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Benzo(a)pyrene	ND (0.167)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Benzo(b)fluoranthene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Benzo(g,h,i)perylene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Benzo(k)fluoranthene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Benzoic Acid	ND (1.67)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Benzyl Alcohol	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
bis(2-Chloroethoxy)methane	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
bis(2-Chloroethyl)ether	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
bis(2-chloroisopropyl)Ether	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
bis(2-Ethylhexyl)phthalate	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Butylbenzylphthalate	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Carbazole	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Chrysene	ND (0.167)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Dibenzo(a,h)Anthracene	ND (0.167)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Dibenzofuran	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Diethylphthalate	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Dimethylphthalate	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Di-n-butylphthalate	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Di-n-octylphthalate	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Fluoranthene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Fluorene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Hexachlorobenzene	ND (0.167)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Hexachlorobutadiene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Hexachlorocyclopentadiene	ND (1.67)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Hexachloroethane	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Indeno(1,2,3-cd)Pyrene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Isophorone	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Naphthalene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-1
Date Sampled: 07/19/19 08:50
Percent Solids: 96
Initial Volume: 15.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
N-Nitrosodimethylamine	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
N-Nitroso-Di-n-Propylamine	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
N-nitrosodiphenylamine	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Pentachlorophenol	ND (1.67)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Phenanthrene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Phenol	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Pyrene	ND (0.332)		8270D		1	07/22/19 18:20	C9G0403	CG92101
Pyridine	ND (1.67)		8270D		1	07/22/19 18:20	C9G0403	CG92101

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*68 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*97 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*74 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*73 %*		*30-130*
Surrogate: 2-Fluorophenol	*73 %*		*30-130*
Surrogate: Nitrobenzene-d5	*74 %*		*30-130*
Surrogate: Phenol-d6	*79 %*		*30-130*
Surrogate: p-Terphenyl-d14	*98 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-2
Date Sampled: 07/19/19 09:00
Percent Solids: 96

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (5.08)		6010C		1	NAR	07/20/19 6:48	2.06	100	CG91949
Arsenic	**6.36** (2.54)		6010C		1	NAR	07/20/19 6:48	2.06	100	CG91949
Beryllium	**0.38** (0.11)		6010C		1	NAR	07/20/19 6:48	2.06	100	CG91949
Cadmium	ND (0.51)		6010C		1	NAR	07/20/19 6:48	2.06	100	CG91949
Chromium	**19.1** (1.02)		6010C		1	NAR	07/20/19 6:48	2.06	100	CG91949
Copper	**17.8** (2.54)		6010C		1	NAR	07/20/19 6:48	2.06	100	CG91949
Lead	ND (5.08)		6010C		1	NAR	07/20/19 6:48	2.06	100	CG91949
Mercury	ND (0.023)		7471B		1	MKS	07/22/19 10:55	0.9	40	CG91950
Nickel	**11.0** (2.54)		6010C		1	NAR	07/20/19 6:48	2.06	100	CG91949
Selenium	ND (0.51)		6020A		1	NAR	07/23/19 11:14	2.06	100	CG91949
Silver	ND (0.51)		6010C		1	NAR	07/20/19 6:48	2.06	100	CG91949
Thallium	ND (0.51)		6020A		1	NAR	07/23/19 11:14	2.06	100	CG91949
Zinc	**53.2** (2.54)		6010C		1	NAR	07/20/19 6:48	2.06	100	CG91949

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-2
Date Sampled: 07/19/19 09:00
Percent Solids: 96
Initial Volume: 8.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1,1,1-Trichloroethane	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1,1,2,2-Tetrachloroethane	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1,1,2-Trichloroethane	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1,1-Dichloroethane	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1,1-Dichloroethene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1,1-Dichloropropene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1,2,3-Trichlorobenzene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1,2,3-Trichloropropane	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1,2,4-Trichlorobenzene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1,2,4-Trimethylbenzene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1,2-Dibromo-3-Chloropropane	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1,2-Dibromoethane	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1,2-Dichlorobenzene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1,2-Dichloroethane	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1,2-Dichloropropane	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1,3,5-Trimethylbenzene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1,3-Dichlorobenzene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1,3-Dichloropropane	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1,4-Dichlorobenzene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1,4-Dioxane	ND (0.0615)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
1-Chlorohexane	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
2,2-Dichloropropane	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
2-Butanone	ND (0.0308)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
2-Chlorotoluene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
2-Hexanone	ND (0.0308)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
4-Chlorotoluene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
4-Isopropyltoluene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
4-Methyl-2-Pentanone	ND (0.0308)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Acetone	ND (0.0308)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Benzene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Bromobenzene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-2
Date Sampled: 07/19/19 09:00
Percent Solids: 96
Initial Volume: 8.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Bromodichloromethane	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Bromoform	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Bromomethane	ND (0.0062)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Carbon Disulfide	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Carbon Tetrachloride	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Chlorobenzene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Chloroethane	ND (0.0062)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Chloroform	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Chloromethane	ND (0.0062)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
cis-1,2-Dichloroethene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
cis-1,3-Dichloropropene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Dibromochloromethane	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Dibromomethane	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Dichlorodifluoromethane	ND (0.0062)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Diethyl Ether	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Di-isopropyl ether	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Ethyl tertiary-butyl ether	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Ethylbenzene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Hexachlorobutadiene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Isopropylbenzene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Methyl tert-Butyl Ether	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Methylene Chloride	ND (0.0154)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Naphthalene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
n-Butylbenzene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
n-Propylbenzene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
sec-Butylbenzene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Styrene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
tert-Butylbenzene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Tertiary-amyl methyl ether	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Tetrachloroethene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Tetrahydrofuran	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-2
Date Sampled: 07/19/19 09:00
Percent Solids: 96
Initial Volume: 8.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
trans-1,2-Dichloroethene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
trans-1,3-Dichloropropene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Trichloroethene	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Trichlorofluoromethane	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Vinyl Acetate	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Vinyl Chloride	ND (0.0062)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Xylene O	ND (0.0031)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Xylene P,M	ND (0.0062)		8260B Low		1	07/22/19 3:44	C9G0397	CG92104
Xylenes (Total)	ND (0.00615)		8260B Low		1	07/22/19 3:44		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*122 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*112 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-2
Date Sampled: 07/19/19 09:00
Percent Solids: 96
Initial Volume: 20.9
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 7/20/19 15:35

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (37.5)		8100M		1	07/21/19 21:27	C9G0395	CG92005

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*76 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-2
Date Sampled: 07/19/19 09:00
Percent Solids: 96
Initial Volume: 15.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
1,2,4-Trichlorobenzene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
1,2-Dichlorobenzene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
1,3-Dichlorobenzene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
1,4-Dichlorobenzene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
2,3,4,6-Tetrachlorophenol	ND (1.67)		8270D		1	07/22/19 18:47	C9G0403	CG92101
2,4,5-Trichlorophenol	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
2,4,6-Trichlorophenol	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
2,4-Dichlorophenol	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
2,4-Dimethylphenol	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
2,4-Dinitrophenol	ND (1.67)		8270D		1	07/22/19 18:47	C9G0403	CG92101
2,4-Dinitrotoluene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
2,6-Dinitrotoluene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
2-Chloronaphthalene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
2-Chlorophenol	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
2-Methylnaphthalene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
2-Methylphenol	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
2-Nitroaniline	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
2-Nitrophenol	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
3,3′-Dichlorobenzidine	ND (0.667)		8270D		1	07/22/19 18:47	C9G0403	CG92101
3+4-Methylphenol	ND (0.667)		8270D		1	07/22/19 18:47	C9G0403	CG92101
3-Nitroaniline	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
4,6-Dinitro-2-Methylphenol	ND (1.67)		8270D		1	07/22/19 18:47	C9G0403	CG92101
4-Bromophenyl-phenylether	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
4-Chloro-3-Methylphenol	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
4-Chloroaniline	ND (0.667)		8270D		1	07/22/19 18:47	C9G0403	CG92101
4-Chloro-phenyl-phenyl ether	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
4-Nitroaniline	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
4-Nitrophenol	ND (1.67)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Acenaphthene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Acenaphthylene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Acetophenone	ND (0.667)		8270D		1	07/22/19 18:47	C9G0403	CG92101

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-2
Date Sampled: 07/19/19 09:00
Percent Solids: 96
Initial Volume: 15.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.667)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Anthracene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Azobenzene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Benzo(a)anthracene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Benzo(a)pyrene	ND (0.167)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Benzo(b)fluoranthene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Benzo(g,h,i)perylene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Benzo(k)fluoranthene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Benzoic Acid	ND (1.67)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Benzyl Alcohol	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
bis(2-Chloroethoxy)methane	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
bis(2-Chloroethyl)ether	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
bis(2-chloroisopropyl)Ether	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
bis(2-Ethylhexyl)phthalate	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Butylbenzylphthalate	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Carbazole	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Chrysene	ND (0.167)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Dibenzo(a,h)Anthracene	ND (0.167)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Dibenzofuran	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Diethylphthalate	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Dimethylphthalate	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Di-n-butylphthalate	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Di-n-octylphthalate	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Fluoranthene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Fluorene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Hexachlorobenzene	ND (0.167)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Hexachlorobutadiene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Hexachlorocyclopentadiene	ND (1.67)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Hexachloroethane	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Indeno(1,2,3-cd)Pyrene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Isophorone	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Naphthalene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-2
Date Sampled: 07/19/19 09:00
Percent Solids: 96
Initial Volume: 15.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
N-Nitrosodimethylamine	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
N-Nitroso-Di-n-Propylamine	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
N-nitrosodiphenylamine	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Pentachlorophenol	ND (1.67)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Phenanthrene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Phenol	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Pyrene	ND (0.333)		8270D		1	07/22/19 18:47	C9G0403	CG92101
Pyridine	ND (1.67)		8270D		1	07/22/19 18:47	C9G0403	CG92101

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*63 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*86 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*67 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*67 %*		*30-130*
Surrogate: 2-Fluorophenol	*66 %*		*30-130*
Surrogate: Nitrobenzene-d5	*66 %*		*30-130*
Surrogate: Phenol-d6	*70 %*		*30-130*
Surrogate: p-Terphenyl-d14	*93 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-3
Date Sampled: 07/19/19 09:10
Percent Solids: 95

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.78)		6010C		1	NAR	07/20/19 6:52	2.19	100	CG91949
Arsenic	**6.05** (2.39)		6010C		1	NAR	07/20/19 6:52	2.19	100	CG91949
Beryllium	**0.49** (0.11)		6010C		1	NAR	07/20/19 6:52	2.19	100	CG91949
Cadmium	ND (0.48)		6010C		1	NAR	07/20/19 6:52	2.19	100	CG91949
Chromium	**25.2** (0.96)		6010C		1	NAR	07/20/19 6:52	2.19	100	CG91949
Copper	**17.8** (2.39)		6010C		1	NAR	07/20/19 6:52	2.19	100	CG91949
Lead	ND (4.78)		6010C		1	NAR	07/20/19 6:52	2.19	100	CG91949
Mercury	ND (0.033)		7471B		1	MKS	07/22/19 11:02	0.63	40	CG91950
Nickel	**13.6** (2.39)		6010C		1	NAR	07/20/19 6:52	2.19	100	CG91949
Selenium	ND (0.48)		6020A		1	NAR	07/23/19 11:19	2.19	100	CG91949
Silver	ND (0.48)		6010C		1	NAR	07/20/19 6:52	2.19	100	CG91949
Thallium	ND (0.48)		6020A		1	NAR	07/23/19 11:19	2.19	100	CG91949
Zinc	**55.5** (2.39)		6010C		1	NAR	07/20/19 6:52	2.19	100	CG91949

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-3
Date Sampled: 07/19/19 09:10
Percent Solids: 95
Initial Volume: 7.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1,1,1-Trichloroethane	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1,1,2,2-Tetrachloroethane	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1,1,2-Trichloroethane	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1,1-Dichloroethane	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1,1-Dichloroethene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1,1-Dichloropropene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1,2,3-Trichlorobenzene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1,2,3-Trichloropropane	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1,2,4-Trichlorobenzene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1,2,4-Trimethylbenzene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1,2-Dibromo-3-Chloropropane	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1,2-Dibromoethane	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1,2-Dichlorobenzene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1,2-Dichloroethane	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1,2-Dichloropropane	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1,3,5-Trimethylbenzene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1,3-Dichlorobenzene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1,3-Dichloropropane	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1,4-Dichlorobenzene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1,4-Dioxane	ND (0.0672)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
1-Chlorohexane	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
2,2-Dichloropropane	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
2-Butanone	ND (0.0336)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
2-Chlorotoluene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
2-Hexanone	ND (0.0336)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
4-Chlorotoluene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
4-Isopropyltoluene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
4-Methyl-2-Pentanone	ND (0.0336)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Acetone	ND (0.0336)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Benzene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Bromobenzene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-3
Date Sampled: 07/19/19 09:10
Percent Solids: 95
Initial Volume: 7.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Bromodichloromethane	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Bromoform	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Bromomethane	ND (0.0067)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Carbon Disulfide	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Carbon Tetrachloride	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Chlorobenzene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Chloroethane	ND (0.0067)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Chloroform	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Chloromethane	ND (0.0067)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
cis-1,2-Dichloroethene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
cis-1,3-Dichloropropene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Dibromochloromethane	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Dibromomethane	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Dichlorodifluoromethane	ND (0.0067)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Diethyl Ether	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Di-isopropyl ether	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Ethyl tertiary-butyl ether	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Ethylbenzene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Hexachlorobutadiene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Isopropylbenzene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Methyl tert-Butyl Ether	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Methylene Chloride	ND (0.0168)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Naphthalene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
n-Butylbenzene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
n-Propylbenzene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
sec-Butylbenzene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Styrene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
tert-Butylbenzene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Tertiary-amyl methyl ether	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Tetrachloroethene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Tetrahydrofuran	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-3
Date Sampled: 07/19/19 09:10
Percent Solids: 95
Initial Volume: 7.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
trans-1,2-Dichloroethene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
trans-1,3-Dichloropropene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Trichloroethene	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Trichlorofluoromethane	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Vinyl Acetate	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Vinyl Chloride	ND (0.0067)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Xylene O	ND (0.0034)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Xylene P,M	ND (0.0067)		8260B Low		1	07/22/19 4:09	C9G0397	CG92104
Xylenes (Total)	ND (0.00672)		8260B Low		1	07/22/19 4:09		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*121 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*93 %*		*70-130*
Surrogate: Dibromofluoromethane	*114 %*		*70-130*
Surrogate: Toluene-d8	*95 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-3
Date Sampled: 07/19/19 09:10
Percent Solids: 95
Initial Volume: 19
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 7/20/19 15:35

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (41.4)		8100M		1	07/21/19 22:03	C9G0395	CG92005

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*78 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-3
Date Sampled: 07/19/19 09:10
Percent Solids: 95
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
1,2,4-Trichlorobenzene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
1,2-Dichlorobenzene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
1,3-Dichlorobenzene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
1,4-Dichlorobenzene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
2,3,4,6-Tetrachlorophenol	ND (1.79)		8270D		1	07/22/19 19:13	C9G0403	CG92101
2,4,5-Trichlorophenol	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
2,4,6-Trichlorophenol	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
2,4-Dichlorophenol	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
2,4-Dimethylphenol	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
2,4-Dinitrophenol	ND (1.79)		8270D		1	07/22/19 19:13	C9G0403	CG92101
2,4-Dinitrotoluene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
2,6-Dinitrotoluene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
2-Chloronaphthalene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
2-Chlorophenol	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
2-Methylnaphthalene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
2-Methylphenol	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
2-Nitroaniline	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
2-Nitrophenol	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
3,3′-Dichlorobenzidine	ND (0.713)		8270D		1	07/22/19 19:13	C9G0403	CG92101
3+4-Methylphenol	ND (0.713)		8270D		1	07/22/19 19:13	C9G0403	CG92101
3-Nitroaniline	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
4,6-Dinitro-2-Methylphenol	ND (1.79)		8270D		1	07/22/19 19:13	C9G0403	CG92101
4-Bromophenyl-phenylether	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
4-Chloro-3-Methylphenol	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
4-Chloroaniline	ND (0.713)		8270D		1	07/22/19 19:13	C9G0403	CG92101
4-Chloro-phenyl-phenyl ether	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
4-Nitroaniline	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
4-Nitrophenol	ND (1.79)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Acenaphthene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Acenaphthylene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Acetophenone	ND (0.713)		8270D		1	07/22/19 19:13	C9G0403	CG92101

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-3
Date Sampled: 07/19/19 09:10
Percent Solids: 95
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.713)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Anthracene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Azobenzene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Benzo(a)anthracene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Benzo(a)pyrene	ND (0.179)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Benzo(b)fluoranthene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Benzo(g,h,i)perylene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Benzo(k)fluoranthene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Benzoic Acid	ND (1.79)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Benzyl Alcohol	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
bis(2-Chloroethoxy)methane	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
bis(2-Chloroethyl)ether	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
bis(2-chloroisopropyl)Ether	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
bis(2-Ethylhexyl)phthalate	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Butylbenzylphthalate	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Carbazole	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Chrysene	ND (0.179)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Dibenzo(a,h)Anthracene	ND (0.179)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Dibenzofuran	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Diethylphthalate	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Dimethylphthalate	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Di-n-butylphthalate	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Di-n-octylphthalate	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Fluoranthene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Fluorene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Hexachlorobenzene	ND (0.179)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Hexachlorobutadiene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Hexachlorocyclopentadiene	ND (1.79)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Hexachloroethane	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Indeno(1,2,3-cd)Pyrene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Isophorone	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Naphthalene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-3
Date Sampled: 07/19/19 09:10
Percent Solids: 95
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
N-Nitrosodimethylamine	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
N-Nitroso-Di-n-Propylamine	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
N-nitrosodiphenylamine	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Pentachlorophenol	ND (1.79)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Phenanthrene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Phenol	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Pyrene	ND (0.356)		8270D		1	07/22/19 19:13	C9G0403	CG92101
Pyridine	ND (1.79)		8270D		1	07/22/19 19:13	C9G0403	CG92101

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*65 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*84 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*72 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*69 %*		*30-130*
Surrogate: 2-Fluorophenol	*70 %*		*30-130*
Surrogate: Nitrobenzene-d5	*70 %*		*30-130*
Surrogate: Phenol-d6	*75 %*		*30-130*
Surrogate: p-Terphenyl-d14	*90 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-4
Date Sampled: 07/19/19 09:20
Percent Solids: 94

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.75)		6010C		1	NAR	07/20/19 7:22	2.23	100	CG91949
Arsenic	**6.65** (2.37)		6010C		1	NAR	07/20/19 7:22	2.23	100	CG91949
Beryllium	**0.81** (0.10)		6010C		1	NAR	07/20/19 7:22	2.23	100	CG91949
Cadmium	ND (0.47)		6010C		1	NAR	07/20/19 7:22	2.23	100	CG91949
Chromium	**19.4** (0.95)		6010C		1	NAR	07/20/19 7:22	2.23	100	CG91949
Copper	**16.3** (2.37)		6010C		1	NAR	07/20/19 7:22	2.23	100	CG91949
Lead	ND (4.75)		6010C		1	NAR	07/20/19 7:22	2.23	100	CG91949
Mercury	ND (0.027)		7471B		1	MKS	07/22/19 11:04	0.77	40	CG91950
Nickel	**10.9** (2.37)		6010C		1	NAR	07/20/19 7:22	2.23	100	CG91949
Selenium	ND (0.47)		6020A		1	KJK	07/26/19 11:24	2.23	100	CG91949
Silver	ND (0.47)		6010C		1	NAR	07/20/19 7:22	2.23	100	CG91949
Thallium	ND (0.47)		6020A		1	KJK	07/26/19 11:24	2.23	100	CG91949
Zinc	**54.6** (2.37)		6010C		1	NAR	07/20/19 7:22	2.23	100	CG91949

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-4
Date Sampled: 07/19/19 09:20
Percent Solids: 94
Initial Volume: 7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1,1,1-Trichloroethane	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1,1,2,2-Tetrachloroethane	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1,1,2-Trichloroethane	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1,1-Dichloroethane	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1,1-Dichloroethene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1,1-Dichloropropene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1,2,3-Trichlorobenzene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1,2,3-Trichloropropane	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1,2,4-Trichlorobenzene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1,2,4-Trimethylbenzene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1,2-Dibromo-3-Chloropropane	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1,2-Dibromoethane	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1,2-Dichlorobenzene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1,2-Dichloroethane	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1,2-Dichloropropane	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1,3,5-Trimethylbenzene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1,3-Dichlorobenzene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1,3-Dichloropropane	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1,4-Dichlorobenzene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1,4-Dioxane	ND (0.0756)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
1-Chlorohexane	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
2,2-Dichloropropane	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
2-Butanone	ND (0.0378)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
2-Chlorotoluene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
2-Hexanone	ND (0.0378)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
4-Chlorotoluene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
4-Isopropyltoluene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
4-Methyl-2-Pentanone	ND (0.0378)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Acetone	ND (0.0378)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Benzene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Bromobenzene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-4
Date Sampled: 07/19/19 09:20
Percent Solids: 94
Initial Volume: 7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Bromodichloromethane	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Bromoform	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Bromomethane	ND (0.0076)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Carbon Disulfide	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Carbon Tetrachloride	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Chlorobenzene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Chloroethane	ND (0.0076)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Chloroform	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Chloromethane	ND (0.0076)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
cis-1,2-Dichloroethene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
cis-1,3-Dichloropropene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Dibromochloromethane	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Dibromomethane	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Dichlorodifluoromethane	ND (0.0076)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Diethyl Ether	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Di-isopropyl ether	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Ethyl tertiary-butyl ether	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Ethylbenzene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Hexachlorobutadiene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Isopropylbenzene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Methyl tert-Butyl Ether	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Methylene Chloride	ND (0.0189)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Naphthalene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
n-Butylbenzene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
n-Propylbenzene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
sec-Butylbenzene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Styrene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
tert-Butylbenzene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Tertiary-amyl methyl ether	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Tetrachloroethene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Tetrahydrofuran	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-4
Date Sampled: 07/19/19 09:20
Percent Solids: 94
Initial Volume: 7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
trans-1,2-Dichloroethene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
trans-1,3-Dichloropropene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Trichloroethene	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Trichlorofluoromethane	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Vinyl Acetate	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Vinyl Chloride	ND (0.0076)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Xylene O	ND (0.0038)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Xylene P,M	ND (0.0076)		8260B Low		1	07/22/19 4:35	C9G0397	CG92104
Xylenes (Total)	ND (0.00756)		8260B Low		1	07/22/19 4:35		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*123 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*114 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-4
Date Sampled: 07/19/19 09:20
Percent Solids: 94
Initial Volume: 20.5
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 7/20/19 15:35

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (38.7)		8100M		1	07/21/19 22:39	C9G0395	CG92005

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*72 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-4
Date Sampled: 07/19/19 09:20
Percent Solids: 94
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
1,2,4-Trichlorobenzene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
1,2-Dichlorobenzene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
1,3-Dichlorobenzene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
1,4-Dichlorobenzene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
2,3,4,6-Tetrachlorophenol	ND (1.72)		8270D		1	07/22/19 19:40	C9G0403	CG92101
2,4,5-Trichlorophenol	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
2,4,6-Trichlorophenol	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
2,4-Dichlorophenol	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
2,4-Dimethylphenol	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
2,4-Dinitrophenol	ND (1.72)		8270D		1	07/22/19 19:40	C9G0403	CG92101
2,4-Dinitrotoluene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
2,6-Dinitrotoluene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
2-Chloronaphthalene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
2-Chlorophenol	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
2-Methylnaphthalene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
2-Methylphenol	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
2-Nitroaniline	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
2-Nitrophenol	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
3,3′-Dichlorobenzidine	ND (0.688)		8270D		1	07/22/19 19:40	C9G0403	CG92101
3+4-Methylphenol	ND (0.688)		8270D		1	07/22/19 19:40	C9G0403	CG92101
3-Nitroaniline	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
4,6-Dinitro-2-Methylphenol	ND (1.72)		8270D		1	07/22/19 19:40	C9G0403	CG92101
4-Bromophenyl-phenylether	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
4-Chloro-3-Methylphenol	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
4-Chloroaniline	ND (0.688)		8270D		1	07/22/19 19:40	C9G0403	CG92101
4-Chloro-phenyl-phenyl ether	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
4-Nitroaniline	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
4-Nitrophenol	ND (1.72)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Acenaphthene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Acenaphthylene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Acetophenone	ND (0.688)		8270D		1	07/22/19 19:40	C9G0403	CG92101

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-4
Date Sampled: 07/19/19 09:20
Percent Solids: 94
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.688)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Anthracene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Azobenzene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Benzo(a)anthracene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Benzo(a)pyrene	ND (0.172)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Benzo(b)fluoranthene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Benzo(g,h,i)perylene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Benzo(k)fluoranthene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Benzoic Acid	ND (1.72)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Benzyl Alcohol	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
bis(2-Chloroethoxy)methane	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
bis(2-Chloroethyl)ether	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
bis(2-chloroisopropyl)Ether	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
bis(2-Ethylhexyl)phthalate	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Butylbenzylphthalate	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Carbazole	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Chrysene	ND (0.172)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Dibenzo(a,h)Anthracene	ND (0.172)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Dibenzofuran	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Diethylphthalate	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Dimethylphthalate	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Di-n-butylphthalate	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Di-n-octylphthalate	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Fluoranthene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Fluorene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Hexachlorobenzene	ND (0.172)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Hexachlorobutadiene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Hexachlorocyclopentadiene	ND (1.72)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Hexachloroethane	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Indeno(1,2,3-cd)Pyrene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Isophorone	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Naphthalene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-4
Date Sampled: 07/19/19 09:20
Percent Solids: 94
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
N-Nitrosodimethylamine	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
N-Nitroso-Di-n-Propylamine	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
N-nitrosodiphenylamine	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Pentachlorophenol	ND (1.72)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Phenanthrene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Phenol	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Pyrene	ND (0.343)		8270D		1	07/22/19 19:40	C9G0403	CG92101
Pyridine	ND (1.72)		8270D		1	07/22/19 19:40	C9G0403	CG92101

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*70 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*92 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*76 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*73 %*		*30-130*
Surrogate: 2-Fluorophenol	*74 %*		*30-130*
Surrogate: Nitrobenzene-d5	*74 %*		*30-130*
Surrogate: Phenol-d6	*78 %*		*30-130*
Surrogate: p-Terphenyl-d14	*96 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-5
Date Sampled: 07/19/19 09:30
Percent Solids: 95

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-05
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.47)		6010C		1	NAR	07/20/19 7:26	2.35	100	CG91949
Arsenic	**5.38** (2.24)		6010C		1	NAR	07/20/19 7:26	2.35	100	CG91949
Beryllium	**0.51** (0.10)		6010C		1	NAR	07/20/19 7:26	2.35	100	CG91949
Cadmium	ND (0.45)		6010C		1	NAR	07/20/19 7:26	2.35	100	CG91949
Chromium	**28.6** (0.89)		6010C		1	NAR	07/20/19 7:26	2.35	100	CG91949
Copper	**16.6** (2.24)		6010C		1	NAR	07/20/19 7:26	2.35	100	CG91949
Lead	ND (4.47)		6010C		1	NAR	07/20/19 7:26	2.35	100	CG91949
Mercury	ND (0.025)		7471B		1	MKS	07/22/19 11:06	0.83	40	CG91950
Nickel	**14.2** (2.24)		6010C		1	NAR	07/20/19 7:26	2.35	100	CG91949
Selenium	ND (0.45)		6020A		1	KJK	07/26/19 11:28	2.35	100	CG91949
Silver	ND (0.45)		6010C		1	NAR	07/20/19 7:26	2.35	100	CG91949
Thallium	ND (0.45)		6020A		1	KJK	07/26/19 11:28	2.35	100	CG91949
Zinc	**55.3** (2.24)		6010C		1	NAR	07/20/19 7:26	2.35	100	CG91949

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-5
Date Sampled: 07/19/19 09:30
Percent Solids: 95
Initial Volume: 7.4
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1,1,1-Trichloroethane	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1,1,2,2-Tetrachloroethane	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1,1,2-Trichloroethane	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1,1-Dichloroethane	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1,1-Dichloroethene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1,1-Dichloropropene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1,2,3-Trichlorobenzene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1,2,3-Trichloropropane	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1,2,4-Trichlorobenzene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1,2,4-Trimethylbenzene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1,2-Dibromo-3-Chloropropane	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1,2-Dibromoethane	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1,2-Dichlorobenzene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1,2-Dichloroethane	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1,2-Dichloropropane	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1,3,5-Trimethylbenzene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1,3-Dichlorobenzene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1,3-Dichloropropane	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1,4-Dichlorobenzene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1,4-Dioxane	ND (0.0710)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
1-Chlorohexane	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
2,2-Dichloropropane	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
2-Butanone	ND (0.0355)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
2-Chlorotoluene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
2-Hexanone	ND (0.0355)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
4-Chlorotoluene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
4-Isopropyltoluene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
4-Methyl-2-Pentanone	ND (0.0355)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Acetone	ND (0.0355)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Benzene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Bromobenzene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-5
Date Sampled: 07/19/19 09:30
Percent Solids: 95
Initial Volume: 7.4
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Bromodichloromethane	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Bromoform	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Bromomethane	ND (0.0071)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Carbon Disulfide	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Carbon Tetrachloride	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Chlorobenzene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Chloroethane	ND (0.0071)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Chloroform	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Chloromethane	ND (0.0071)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
cis-1,2-Dichloroethene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
cis-1,3-Dichloropropene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Dibromochloromethane	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Dibromomethane	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Dichlorodifluoromethane	ND (0.0071)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Diethyl Ether	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Di-isopropyl ether	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Ethyl tertiary-butyl ether	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Ethylbenzene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Hexachlorobutadiene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Isopropylbenzene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Methyl tert-Butyl Ether	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Methylene Chloride	ND (0.0178)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Naphthalene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
n-Butylbenzene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
n-Propylbenzene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
sec-Butylbenzene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Styrene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
tert-Butylbenzene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Tertiary-amyl methyl ether	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Tetrachloroethene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Tetrahydrofuran	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-5
Date Sampled: 07/19/19 09:30
Percent Solids: 95
Initial Volume: 7.4
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
trans-1,2-Dichloroethene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
trans-1,3-Dichloropropene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Trichloroethene	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Trichlorofluoromethane	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Vinyl Acetate	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Vinyl Chloride	ND (0.0071)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Xylene O	ND (0.0036)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Xylene P,M	ND (0.0071)		8260B Low		1	07/22/19 5:01	C9G0397	CG92104
Xylenes (Total)	ND (0.00710)		8260B Low		1	07/22/19 5:01		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*123 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*114 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-5
Date Sampled: 07/19/19 09:30
Percent Solids: 95
Initial Volume: 20.9
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 7/20/19 15:35

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (37.7)		8100M		1	07/21/19 23:15	C9G0395	CG92005

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	66 %		40-140

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-5
Date Sampled: 07/19/19 09:30
Percent Solids: 95
Initial Volume: 15.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
1,2,4-Trichlorobenzene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
1,2-Dichlorobenzene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
1,3-Dichlorobenzene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
1,4-Dichlorobenzene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
2,3,4,6-Tetrachlorophenol	ND (1.67)		8270D		1	07/22/19 20:06	C9G0403	CG92101
2,4,5-Trichlorophenol	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
2,4,6-Trichlorophenol	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
2,4-Dichlorophenol	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
2,4-Dimethylphenol	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
2,4-Dinitrophenol	ND (1.67)		8270D		1	07/22/19 20:06	C9G0403	CG92101
2,4-Dinitrotoluene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
2,6-Dinitrotoluene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
2-Chloronaphthalene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
2-Chlorophenol	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
2-Methylnaphthalene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
2-Methylphenol	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
2-Nitroaniline	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
2-Nitrophenol	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
3,3′-Dichlorobenzidine	ND (0.666)		8270D		1	07/22/19 20:06	C9G0403	CG92101
3+4-Methylphenol	ND (0.666)		8270D		1	07/22/19 20:06	C9G0403	CG92101
3-Nitroaniline	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
4,6-Dinitro-2-Methylphenol	ND (1.67)		8270D		1	07/22/19 20:06	C9G0403	CG92101
4-Bromophenyl-phenylether	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
4-Chloro-3-Methylphenol	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
4-Chloroaniline	ND (0.666)		8270D		1	07/22/19 20:06	C9G0403	CG92101
4-Chloro-phenyl-phenyl ether	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
4-Nitroaniline	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
4-Nitrophenol	ND (1.67)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Acenaphthene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Acenaphthylene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Acetophenone	ND (0.666)		8270D		1	07/22/19 20:06	C9G0403	CG92101

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-5
Date Sampled: 07/19/19 09:30
Percent Solids: 95
Initial Volume: 15.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.666)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Anthracene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Azobenzene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Benzo(a)anthracene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Benzo(a)pyrene	ND (0.167)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Benzo(b)fluoranthene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Benzo(g,h,i)perylene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Benzo(k)fluoranthene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Benzoic Acid	ND (1.67)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Benzyl Alcohol	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
bis(2-Chloroethoxy)methane	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
bis(2-Chloroethyl)ether	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
bis(2-chloroisopropyl)Ether	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
bis(2-Ethylhexyl)phthalate	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Butylbenzylphthalate	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Carbazole	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Chrysene	ND (0.167)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Dibenzo(a,h)Anthracene	ND (0.167)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Dibenzofuran	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Diethylphthalate	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Dimethylphthalate	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Di-n-butylphthalate	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Di-n-octylphthalate	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Fluoranthene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Fluorene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Hexachlorobenzene	ND (0.167)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Hexachlorobutadiene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Hexachlorocyclopentadiene	ND (1.67)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Hexachloroethane	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Indeno(1,2,3-cd)Pyrene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Isophorone	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Naphthalene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-5
Date Sampled: 07/19/19 09:30
Percent Solids: 95
Initial Volume: 15.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
N-Nitrosodimethylamine	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
N-Nitroso-Di-n-Propylamine	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
N-nitrosodiphenylamine	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Pentachlorophenol	ND (1.67)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Phenanthrene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Phenol	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Pyrene	ND (0.332)		8270D		1	07/22/19 20:06	C9G0403	CG92101
Pyridine	ND (1.67)		8270D		1	07/22/19 20:06	C9G0403	CG92101

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*64 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*91 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*72 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*72 %*		*30-130*
Surrogate: 2-Fluorophenol	*68 %*		*30-130*
Surrogate: Nitrobenzene-d5	*69 %*		*30-130*
Surrogate: Phenol-d6	*75 %*		*30-130*
Surrogate: p-Terphenyl-d14	*97 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-6
Date Sampled: 07/19/19 09:40
Percent Solids: 96

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-06
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.94)		6010C		1	NAR	07/20/19 7:30	2.11	100	CG91949
Arsenic	**6.72** (2.47)		6010C		1	NAR	07/20/19 7:30	2.11	100	CG91949
Beryllium	**0.49** (0.11)		6010C		1	NAR	07/20/19 7:30	2.11	100	CG91949
Cadmium	ND (0.49)		6010C		1	NAR	07/20/19 7:30	2.11	100	CG91949
Chromium	**23.6** (0.99)		6010C		1	NAR	07/20/19 7:30	2.11	100	CG91949
Copper	**44.9** (2.47)		6010C		1	NAR	07/20/19 7:30	2.11	100	CG91949
Lead	ND (4.94)		6010C		1	NAR	07/20/19 7:30	2.11	100	CG91949
Mercury	ND (0.030)		7471B		1	MKS	07/22/19 11:09	0.69	40	CG91950
Nickel	**13.0** (2.47)		6010C		1	NAR	07/20/19 7:30	2.11	100	CG91949
Selenium	ND (0.49)		6020A		1	NAR	07/23/19 11:43	2.11	100	CG91949
Silver	ND (0.49)		6010C		1	NAR	07/20/19 7:30	2.11	100	CG91949
Thallium	ND (0.49)		6020A		1	NAR	07/23/19 11:43	2.11	100	CG91949
Zinc	**53.8** (2.47)		6010C		1	NAR	07/20/19 7:30	2.11	100	CG91949

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-6
Date Sampled: 07/19/19 09:40
Percent Solids: 96
Initial Volume: 10.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1,1,1-Trichloroethane	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1,1,2,2-Tetrachloroethane	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1,1,2-Trichloroethane	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1,1-Dichloroethane	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1,1-Dichloroethene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1,1-Dichloropropene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1,2,3-Trichlorobenzene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1,2,3-Trichloropropane	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1,2,4-Trichlorobenzene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1,2,4-Trimethylbenzene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1,2-Dibromo-3-Chloropropane	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1,2-Dibromoethane	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1,2-Dichlorobenzene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1,2-Dichloroethane	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1,2-Dichloropropane	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1,3,5-Trimethylbenzene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1,3-Dichlorobenzene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1,3-Dichloropropane	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1,4-Dichlorobenzene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1,4-Dioxane	ND (0.0516)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
1-Chlorohexane	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
2,2-Dichloropropane	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
2-Butanone	ND (0.0258)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
2-Chlorotoluene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
2-Hexanone	ND (0.0258)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
4-Chlorotoluene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
4-Isopropyltoluene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
4-Methyl-2-Pentanone	ND (0.0258)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Acetone	ND (0.0258)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Benzene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Bromobenzene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-6
Date Sampled: 07/19/19 09:40
Percent Solids: 96
Initial Volume: 10.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Bromodichloromethane	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Bromoform	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Bromomethane	ND (0.0052)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Carbon Disulfide	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Carbon Tetrachloride	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Chlorobenzene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Chloroethane	ND (0.0052)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Chloroform	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Chloromethane	ND (0.0052)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
cis-1,2-Dichloroethene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
cis-1,3-Dichloropropene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Dibromochloromethane	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Dibromomethane	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Dichlorodifluoromethane	ND (0.0052)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Diethyl Ether	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Di-isopropyl ether	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Ethyl tertiary-butyl ether	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Ethylbenzene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Hexachlorobutadiene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Isopropylbenzene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Methyl tert-Butyl Ether	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Methylene Chloride	ND (0.0129)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Naphthalene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
n-Butylbenzene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
n-Propylbenzene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
sec-Butylbenzene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Styrene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
tert-Butylbenzene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Tertiary-amyl methyl ether	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Tetrachloroethene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Tetrahydrofuran	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-6
Date Sampled: 07/19/19 09:40
Percent Solids: 96
Initial Volume: 10.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
trans-1,2-Dichloroethene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
trans-1,3-Dichloropropene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Trichloroethene	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Trichlorofluoromethane	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Vinyl Acetate	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Vinyl Chloride	ND (0.0052)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Xylene O	ND (0.0026)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Xylene P,M	ND (0.0052)		8260B Low		1	07/22/19 5:26	C9G0397	CG92104
Xylenes (Total)	ND (0.00516)		8260B Low		1	07/22/19 5:26		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*121 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*113 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-6
Date Sampled: 07/19/19 09:40
Percent Solids: 96
Initial Volume: 19
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 7/20/19 15:35

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (41.1)		8100M		1	07/21/19 23:52	C9G0395	CG92005

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*70 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-6
Date Sampled: 07/19/19 09:40
Percent Solids: 96
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
1,2,4-Trichlorobenzene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
1,2-Dichlorobenzene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
1,3-Dichlorobenzene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
1,4-Dichlorobenzene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
2,3,4,6-Tetrachlorophenol	ND (1.80)		8270D		1	07/22/19 20:33	C9G0403	CG92101
2,4,5-Trichlorophenol	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
2,4,6-Trichlorophenol	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
2,4-Dichlorophenol	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
2,4-Dimethylphenol	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
2,4-Dinitrophenol	ND (1.80)		8270D		1	07/22/19 20:33	C9G0403	CG92101
2,4-Dinitrotoluene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
2,6-Dinitrotoluene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
2-Chloronaphthalene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
2-Chlorophenol	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
2-Methylnaphthalene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
2-Methylphenol	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
2-Nitroaniline	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
2-Nitrophenol	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
3,3′-Dichlorobenzidine	ND (0.719)		8270D		1	07/22/19 20:33	C9G0403	CG92101
3+4-Methylphenol	ND (0.719)		8270D		1	07/22/19 20:33	C9G0403	CG92101
3-Nitroaniline	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
4,6-Dinitro-2-Methylphenol	ND (1.80)		8270D		1	07/22/19 20:33	C9G0403	CG92101
4-Bromophenyl-phenylether	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
4-Chloro-3-Methylphenol	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
4-Chloroaniline	ND (0.719)		8270D		1	07/22/19 20:33	C9G0403	CG92101
4-Chloro-phenyl-phenyl ether	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
4-Nitroaniline	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
4-Nitrophenol	ND (1.80)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Acenaphthene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Acenaphthylene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Acetophenone	ND (0.719)		8270D		1	07/22/19 20:33	C9G0403	CG92101

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-6
Date Sampled: 07/19/19 09:40
Percent Solids: 96
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.719)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Anthracene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Azobenzene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Benzo(a)anthracene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Benzo(a)pyrene	ND (0.180)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Benzo(b)fluoranthene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Benzo(g,h,i)perylene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Benzo(k)fluoranthene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Benzoic Acid	ND (1.80)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Benzyl Alcohol	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
bis(2-Chloroethoxy)methane	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
bis(2-Chloroethyl)ether	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
bis(2-chloroisopropyl)Ether	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
bis(2-Ethylhexyl)phthalate	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Butylbenzylphthalate	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Carbazole	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Chrysene	ND (0.180)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Dibenzo(a,h)Anthracene	ND (0.180)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Dibenzofuran	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Diethylphthalate	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Dimethylphthalate	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Di-n-butylphthalate	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Di-n-octylphthalate	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Fluoranthene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Fluorene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Hexachlorobenzene	ND (0.180)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Hexachlorobutadiene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Hexachlorocyclopentadiene	ND (1.80)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Hexachloroethane	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Indeno(1,2,3-cd)Pyrene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Isophorone	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Naphthalene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-6
Date Sampled: 07/19/19 09:40
Percent Solids: 96
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
N-Nitrosodimethylamine	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
N-Nitroso-Di-n-Propylamine	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
N-nitrosodiphenylamine	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Pentachlorophenol	ND (1.80)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Phenanthrene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Phenol	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Pyrene	ND (0.359)		8270D		1	07/22/19 20:33	C9G0403	CG92101
Pyridine	ND (1.80)		8270D		1	07/22/19 20:33	C9G0403	CG92101

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*71 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*93 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*77 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*74 %*		*30-130*
Surrogate: 2-Fluorophenol	*75 %*		*30-130*
Surrogate: Nitrobenzene-d5	*75 %*		*30-130*
Surrogate: Phenol-d6	*81 %*		*30-130*
Surrogate: p-Terphenyl-d14	*99 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-7
Date Sampled: 07/19/19 09:50
Percent Solids: 96

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-07
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.82)		6010C		1	NAR	07/20/19 7:34	2.16	100	CG91949
Arsenic	**5.68** (2.41)		6010C		1	NAR	07/20/19 7:34	2.16	100	CG91949
Beryllium	**0.41** (0.11)		6010C		1	NAR	07/20/19 7:34	2.16	100	CG91949
Cadmium	ND (0.48)		6010C		1	NAR	07/20/19 7:34	2.16	100	CG91949
Chromium	**24.8** (0.96)		6010C		1	NAR	07/20/19 7:34	2.16	100	CG91949
Copper	**31.0** (2.41)		6010C		1	NAR	07/20/19 7:34	2.16	100	CG91949
Lead	ND (4.82)		6010C		1	NAR	07/20/19 7:34	2.16	100	CG91949
Mercury	ND (0.033)		7471B		1	MKS	07/22/19 11:11	0.63	40	CG91950
Nickel	**12.7** (2.41)		6010C		1	NAR	07/20/19 7:34	2.16	100	CG91949
Selenium	ND (0.48)		6020A		1	KJK	07/26/19 11:33	2.16	100	CG91949
Silver	ND (0.48)		6010C		1	NAR	07/20/19 7:34	2.16	100	CG91949
Thallium	ND (0.48)		6020A		1	KJK	07/26/19 11:33	2.16	100	CG91949
Zinc	**49.7** (2.41)		6010C		1	NAR	07/20/19 7:34	2.16	100	CG91949

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-7
Date Sampled: 07/19/19 09:50
Percent Solids: 96
Initial Volume: 6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-07
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1,1,1-Trichloroethane	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1,1,2,2-Tetrachloroethane	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1,1,2-Trichloroethane	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1,1-Dichloroethane	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1,1-Dichloroethene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1,1-Dichloropropene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1,2,3-Trichlorobenzene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1,2,3-Trichloropropane	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1,2,4-Trichlorobenzene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1,2,4-Trimethylbenzene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1,2-Dibromo-3-Chloropropane	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1,2-Dibromoethane	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1,2-Dichlorobenzene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1,2-Dichloroethane	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1,2-Dichloropropane	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1,3,5-Trimethylbenzene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1,3-Dichlorobenzene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1,3-Dichloropropane	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1,4-Dichlorobenzene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1,4-Dioxane	ND (0.0868)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
1-Chlorohexane	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
2,2-Dichloropropane	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
2-Butanone	ND (0.0434)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
2-Chlorotoluene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
2-Hexanone	ND (0.0434)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
4-Chlorotoluene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
4-Isopropyltoluene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
4-Methyl-2-Pentanone	ND (0.0434)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Acetone	ND (0.0434)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Benzene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Bromobenzene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-7
Date Sampled: 07/19/19 09:50
Percent Solids: 96
Initial Volume: 6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-07
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Bromodichloromethane	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Bromoform	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Bromomethane	ND (0.0087)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Carbon Disulfide	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Carbon Tetrachloride	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Chlorobenzene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Chloroethane	ND (0.0087)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Chloroform	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Chloromethane	ND (0.0087)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
cis-1,2-Dichloroethene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
cis-1,3-Dichloropropene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Dibromochloromethane	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Dibromomethane	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Dichlorodifluoromethane	ND (0.0087)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Diethyl Ether	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Di-isopropyl ether	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Ethyl tertiary-butyl ether	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Ethylbenzene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Hexachlorobutadiene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Isopropylbenzene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Methyl tert-Butyl Ether	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Methylene Chloride	ND (0.0217)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Naphthalene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
n-Butylbenzene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
n-Propylbenzene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
sec-Butylbenzene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Styrene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
tert-Butylbenzene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Tertiary-amyl methyl ether	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Tetrachloroethene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Tetrahydrofuran	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-7
Date Sampled: 07/19/19 09:50
Percent Solids: 96
Initial Volume: 6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-07
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
trans-1,2-Dichloroethene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
trans-1,3-Dichloropropene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Trichloroethene	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Trichlorofluoromethane	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Vinyl Acetate	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Vinyl Chloride	ND (0.0087)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Xylene O	ND (0.0043)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Xylene P,M	ND (0.0087)		8260B Low		1	07/22/19 5:52	C9G0397	CG92104
Xylenes (Total)	ND (0.00868)		8260B Low		1	07/22/19 5:52		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*125 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*97 %*		*70-130*
Surrogate: Dibromofluoromethane	*114 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-7
Date Sampled: 07/19/19 09:50
Percent Solids: 96
Initial Volume: 19.6
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-07
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 7/20/19 15:35

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (39.8)		8100M		1	07/22/19 0:28	C9G0395	CG92005

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*72 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-7
Date Sampled: 07/19/19 09:50
Percent Solids: 96
Initial Volume: 15.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-07
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
1,2,4-Trichlorobenzene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
1,2-Dichlorobenzene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
1,3-Dichlorobenzene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
1,4-Dichlorobenzene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
2,3,4,6-Tetrachlorophenol	ND (1.64)		8270D		1	07/22/19 20:59	C9G0403	CG92101
2,4,5-Trichlorophenol	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
2,4,6-Trichlorophenol	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
2,4-Dichlorophenol	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
2,4-Dimethylphenol	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
2,4-Dinitrophenol	ND (1.64)		8270D		1	07/22/19 20:59	C9G0403	CG92101
2,4-Dinitrotoluene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
2,6-Dinitrotoluene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
2-Chloronaphthalene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
2-Chlorophenol	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
2-Methylnaphthalene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
2-Methylphenol	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
2-Nitroaniline	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
2-Nitrophenol	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
3,3′-Dichlorobenzidine	ND (0.655)		8270D		1	07/22/19 20:59	C9G0403	CG92101
3+4-Methylphenol	ND (0.655)		8270D		1	07/22/19 20:59	C9G0403	CG92101
3-Nitroaniline	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
4,6-Dinitro-2-Methylphenol	ND (1.64)		8270D		1	07/22/19 20:59	C9G0403	CG92101
4-Bromophenyl-phenylether	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
4-Chloro-3-Methylphenol	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
4-Chloroaniline	ND (0.655)		8270D		1	07/22/19 20:59	C9G0403	CG92101
4-Chloro-phenyl-phenyl ether	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
4-Nitroaniline	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
4-Nitrophenol	ND (1.64)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Acenaphthene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Acenaphthylene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Acetophenone	ND (0.655)		8270D		1	07/22/19 20:59	C9G0403	CG92101

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-7
Date Sampled: 07/19/19 09:50
Percent Solids: 96
Initial Volume: 15.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-07
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.655)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Anthracene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Azobenzene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Benzo(a)anthracene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Benzo(a)pyrene	ND (0.164)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Benzo(b)fluoranthene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Benzo(g,h,i)perylene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Benzo(k)fluoranthene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Benzoic Acid	ND (1.64)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Benzyl Alcohol	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
bis(2-Chloroethoxy)methane	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
bis(2-Chloroethyl)ether	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
bis(2-chloroisopropyl)Ether	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
bis(2-Ethylhexyl)phthalate	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Butylbenzylphthalate	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Carbazole	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Chrysene	ND (0.164)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Dibenzo(a,h)Anthracene	ND (0.164)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Dibenzofuran	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Diethylphthalate	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Dimethylphthalate	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Di-n-butylphthalate	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Di-n-octylphthalate	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Fluoranthene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Fluorene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Hexachlorobenzene	ND (0.164)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Hexachlorobutadiene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Hexachlorocyclopentadiene	ND (1.64)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Hexachloroethane	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Indeno(1,2,3-cd)Pyrene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Isophorone	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Naphthalene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-7
Date Sampled: 07/19/19 09:50
Percent Solids: 96
Initial Volume: 15.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-07
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
N-Nitrosodimethylamine	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
N-Nitroso-Di-n-Propylamine	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
N-nitrosodiphenylamine	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Pentachlorophenol	ND (1.64)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Phenanthrene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Phenol	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Pyrene	ND (0.327)		8270D		1	07/22/19 20:59	C9G0403	CG92101
Pyridine	ND (1.64)		8270D		1	07/22/19 20:59	C9G0403	CG92101

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*68 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*92 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*74 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*71 %*		*30-130*
Surrogate: 2-Fluorophenol	*73 %*		*30-130*
Surrogate: Nitrobenzene-d5	*71 %*		*30-130*
Surrogate: Phenol-d6	*77 %*		*30-130*
Surrogate: p-Terphenyl-d14	*92 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-8
Date Sampled: 07/19/19 10:00
Percent Solids: 95

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-08
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (5.15)		6010C		1	NAR	07/20/19 7:37	2.04	100	CG91949
Arsenic	**6.17** (2.57)		6010C		1	NAR	07/20/19 7:37	2.04	100	CG91949
Beryllium	**0.42** (0.11)		6010C		1	NAR	07/20/19 7:37	2.04	100	CG91949
Cadmium	ND (0.51)		6010C		1	NAR	07/20/19 7:37	2.04	100	CG91949
Chromium	**18.7** (1.03)		6010C		1	NAR	07/20/19 7:37	2.04	100	CG91949
Copper	**15.5** (2.57)		6010C		1	NAR	07/20/19 7:37	2.04	100	CG91949
Lead	ND (5.15)		6010C		1	NAR	07/20/19 7:37	2.04	100	CG91949
Mercury	ND (0.031)		7471B		1	MKS	07/22/19 11:14	0.67	40	CG91950
Nickel	**10.1** (2.57)		6010C		1	NAR	07/20/19 7:37	2.04	100	CG91949
Selenium	ND (0.51)		6020A		1	KJK	07/26/19 11:38	2.04	100	CG91949
Silver	ND (0.51)		6010C		1	NAR	07/20/19 7:37	2.04	100	CG91949
Thallium	ND (0.51)		6020A		1	KJK	07/26/19 11:38	2.04	100	CG91949
Zinc	**53.7** (2.57)		6010C		1	NAR	07/20/19 7:37	2.04	100	CG91949

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-8
Date Sampled: 07/19/19 10:00
Percent Solids: 95
Initial Volume: 7.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-08
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1,1,1-Trichloroethane	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1,1,2,2-Tetrachloroethane	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1,1,2-Trichloroethane	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1,1-Dichloroethane	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1,1-Dichloroethene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1,1-Dichloropropene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1,2,3-Trichlorobenzene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1,2,3-Trichloropropane	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1,2,4-Trichlorobenzene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1,2,4-Trimethylbenzene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1,2-Dibromo-3-Chloropropane	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1,2-Dibromoethane	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1,2-Dichlorobenzene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1,2-Dichloroethane	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1,2-Dichloropropane	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1,3,5-Trimethylbenzene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1,3-Dichlorobenzene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1,3-Dichloropropane	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1,4-Dichlorobenzene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1,4-Dioxane	ND (0.0691)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
1-Chlorohexane	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
2,2-Dichloropropane	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
2-Butanone	ND (0.0346)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
2-Chlorotoluene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
2-Hexanone	ND (0.0346)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
4-Chlorotoluene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
4-Isopropyltoluene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
4-Methyl-2-Pentanone	ND (0.0346)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Acetone	ND (0.0346)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Benzene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Bromobenzene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-8
Date Sampled: 07/19/19 10:00
Percent Solids: 95
Initial Volume: 7.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-08
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Bromodichloromethane	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Bromoform	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Bromomethane	ND (0.0069)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Carbon Disulfide	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Carbon Tetrachloride	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Chlorobenzene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Chloroethane	ND (0.0069)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Chloroform	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Chloromethane	ND (0.0069)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
cis-1,2-Dichloroethene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
cis-1,3-Dichloropropene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Dibromochloromethane	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Dibromomethane	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Dichlorodifluoromethane	ND (0.0069)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Diethyl Ether	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Di-isopropyl ether	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Ethyl tertiary-butyl ether	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Ethylbenzene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Hexachlorobutadiene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Isopropylbenzene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Methyl tert-Butyl Ether	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Methylene Chloride	ND (0.0173)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Naphthalene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
n-Butylbenzene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
n-Propylbenzene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
sec-Butylbenzene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Styrene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
tert-Butylbenzene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Tertiary-amyl methyl ether	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Tetrachloroethene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Tetrahydrofuran	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-8
Date Sampled: 07/19/19 10:00
Percent Solids: 95
Initial Volume: 7.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-08
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
trans-1,2-Dichloroethene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
trans-1,3-Dichloropropene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Trichloroethene	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Trichlorofluoromethane	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Vinyl Acetate	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Vinyl Chloride	ND (0.0069)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Xylene O	ND (0.0035)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Xylene P,M	ND (0.0069)		8260B Low		1	07/22/19 6:17	C9G0397	CG92104
Xylenes (Total)	ND (0.00691)		8260B Low		1	07/22/19 6:17		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*124 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*93 %*		*70-130*
Surrogate: Dibromofluoromethane	*114 %*		*70-130*
Surrogate: Toluene-d8	*95 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-8
Date Sampled: 07/19/19 10:00
Percent Solids: 95
Initial Volume: 19.6
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-08
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 7/20/19 15:35

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (40.2)		8100M		1	07/22/19 1:04	C9G0395	CG92005

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*76 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-8
Date Sampled: 07/19/19 10:00
Percent Solids: 95
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-08
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
1,2,4-Trichlorobenzene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
1,2-Dichlorobenzene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
1,3-Dichlorobenzene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
1,4-Dichlorobenzene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
2,3,4,6-Tetrachlorophenol	ND (1.80)		8270D		1	07/22/19 21:25	C9G0403	CG92101
2,4,5-Trichlorophenol	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
2,4,6-Trichlorophenol	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
2,4-Dichlorophenol	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
2,4-Dimethylphenol	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
2,4-Dinitrophenol	ND (1.80)		8270D		1	07/22/19 21:25	C9G0403	CG92101
2,4-Dinitrotoluene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
2,6-Dinitrotoluene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
2-Chloronaphthalene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
2-Chlorophenol	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
2-Methylnaphthalene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
2-Methylphenol	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
2-Nitroaniline	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
2-Nitrophenol	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
3,3′-Dichlorobenzidine	ND (0.720)		8270D		1	07/22/19 21:25	C9G0403	CG92101
3+4-Methylphenol	ND (0.720)		8270D		1	07/22/19 21:25	C9G0403	CG92101
3-Nitroaniline	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
4,6-Dinitro-2-Methylphenol	ND (1.80)		8270D		1	07/22/19 21:25	C9G0403	CG92101
4-Bromophenyl-phenylether	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
4-Chloro-3-Methylphenol	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
4-Chloroaniline	ND (0.720)		8270D		1	07/22/19 21:25	C9G0403	CG92101
4-Chloro-phenyl-phenyl ether	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
4-Nitroaniline	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
4-Nitrophenol	ND (1.80)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Acenaphthene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Acenaphthylene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Acetophenone	ND (0.720)		8270D		1	07/22/19 21:25	C9G0403	CG92101

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-8
Date Sampled: 07/19/19 10:00
Percent Solids: 95
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-08
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.720)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Anthracene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Azobenzene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Benzo(a)anthracene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Benzo(a)pyrene	ND (0.180)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Benzo(b)fluoranthene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Benzo(g,h,i)perylene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Benzo(k)fluoranthene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Benzoic Acid	ND (1.80)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Benzyl Alcohol	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
bis(2-Chloroethoxy)methane	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
bis(2-Chloroethyl)ether	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
bis(2-chloroisopropyl)Ether	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
bis(2-Ethylhexyl)phthalate	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Butylbenzylphthalate	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Carbazole	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Chrysene	ND (0.180)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Dibenzo(a,h)Anthracene	ND (0.180)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Dibenzofuran	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Diethylphthalate	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Dimethylphthalate	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Di-n-butylphthalate	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Di-n-octylphthalate	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Fluoranthene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Fluorene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Hexachlorobenzene	ND (0.180)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Hexachlorobutadiene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Hexachlorocyclopentadiene	ND (1.80)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Hexachloroethane	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Indeno(1,2,3-cd)Pyrene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Isophorone	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Naphthalene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-1.5 DG-8
Date Sampled: 07/19/19 10:00
Percent Solids: 95
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-08
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 7/21/19 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
N-Nitrosodimethylamine	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
N-Nitroso-Di-n-Propylamine	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
N-nitrosodiphenylamine	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Pentachlorophenol	ND (1.80)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Phenanthrene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Phenol	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Pyrene	ND (0.359)		8270D		1	07/22/19 21:25	C9G0403	CG92101
Pyridine	ND (1.80)		8270D		1	07/22/19 21:25	C9G0403	CG92101

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*66 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*90 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*71 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*70 %*		*30-130*
Surrogate: 2-Fluorophenol	*69 %*		*30-130*
Surrogate: Nitrobenzene-d5	*68 %*		*30-130*
Surrogate: Phenol-d6	*74 %*		*30-130*
Surrogate: p-Terphenyl-d14	*93 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR1
Date Sampled: 07/19/19 10:20
Percent Solids: 96

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-09
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.23** (2.31)		6010C		1	NAR	07/20/19 7:41	2.25	100	CG91949

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR2
Date Sampled: 07/19/19 10:25
Percent Solids: 95

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-10
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.25** (2.04)		6010C		1	NAR	07/20/19 7:56	2.57	100	CG91949

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR3
Date Sampled: 07/19/19 10:30
Percent Solids: 96

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-11
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**6.18** (2.20)		6010C		1	NAR	07/20/19 8:00	2.37	100	CG91949

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR4
Date Sampled: 07/19/19 10:35
Percent Solids: 96

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-12
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**6.18** (2.58)		6010C		1	NAR	07/20/19 8:04	2.02	100	CG91949

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR5
Date Sampled: 07/19/19 10:40
Percent Solids: 96

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-13
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.54** (2.16)		6010C		1	NAR	07/20/19 8:08	2.42	100	CG91949

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR6
Date Sampled: 07/19/19 10:45
Percent Solids: 95

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-14
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.54** (2.02)		6010C		1	NAR	07/20/19 8:12	2.6	100	CG91949

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR7
Date Sampled: 07/19/19 10:50
Percent Solids: 95

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-15
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.65** (1.76)		6010C		1	NAR	07/20/19 8:15	3	100	CG91949

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR8
Date Sampled: 07/19/19 10:55
Percent Solids: 95

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-16
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.17** (1.87)		6010C		1	NAR	07/20/19 8:19	2.81	100	CG91949

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR9
Date Sampled: 07/19/19 11:00
Percent Solids: 96

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-17
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.45** (2.21)		6010C		1	NAR	07/20/19 8:23	2.35	100	CG91949

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR10
Date Sampled: 07/19/19 11:05
Percent Solids: 94

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-18
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**6.53** (2.33)		6010C		1	NAR	07/20/19 8:27	2.27	100	CG91949

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR11
Date Sampled: 07/19/19 11:10
Percent Solids: 95

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-19
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.73** (2.31)		6010C		1	NAR	07/20/19 8:30	2.29	100	CG91949

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR12
Date Sampled: 07/19/19 11:15
Percent Solids: 96

ESS Laboratory Work Order: 19G0612
ESS Laboratory Sample ID: 19G0612-20
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.49** (2.30)		6010C		1	NAR	07/20/19 8:45	2.27	100	CG91949

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0612

Quality Control Data

Total Metals

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch CG91949 - 3050B										
Blank										
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	0.50	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	0.50	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	51.3	18.9	mg/kg wet	42.40		121	40-160			
Arsenic	131	9.43	mg/kg wet	128.0		102	85-114			
Beryllium	212	0.42	mg/kg wet	217.0		98	84-116			
Cadmium	92.3	1.89	mg/kg wet	99.00		93	87-113			
Chromium	118	3.77	mg/kg wet	116.0		101	82-118			
Copper	94.5	9.43	mg/kg wet	89.60		105	83-117			
Lead	279	18.9	mg/kg wet	277.0		101	84-116			
Nickel	107	9.43	mg/kg wet	107.0		100	84-117			
Selenium	268	9.43	mg/kg wet	242.0		111	80-120			
Silver	65.4	1.89	mg/kg wet	64.30		102	86-114			
Thallium	184	9.43	mg/kg wet	183.0		101	80-120			
Zinc	548	9.43	mg/kg wet	561.0		98	86-114			
LCS Dup										
Antimony	46.2	18.2	mg/kg wet	42.40		109	40-160	11	20	
Arsenic	123	9.09	mg/kg wet	128.0		96	85-114	6	20	
Beryllium	200	0.40	mg/kg wet	217.0		92	84-116	6	20	
Cadmium	86.6	1.82	mg/kg wet	99.00		87	87-113	6	20	
Chromium	110	3.64	mg/kg wet	116.0		95	82-118	7	20	
Copper	88.0	9.09	mg/kg wet	89.60		98	83-117	7	20	
Lead	261	18.2	mg/kg wet	277.0		94	84-116	7	20	
Nickel	101	9.09	mg/kg wet	107.0		94	84-117	6	20	
Selenium	254	9.09	mg/kg wet	242.0		105	80-120	6	30	
Silver	61.5	1.82	mg/kg wet	64.30		96	86-114	6	20	
Thallium	173	9.09	mg/kg wet	183.0		95	80-120	6	30	
Zinc	515	9.09	mg/kg wet	561.0		92	86-114	6	20	
Batch CG91950 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	14.1	0.952	mg/kg wet	16.80		84	80-120			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0612

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CG91950 - 7471B										
LCS Dup										
Mercury	14.8	0.934	mg/kg wet	16.80		88	80-120	5	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch CG92104 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0612

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CG92104 - 5035										
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0583*		mg/kg wet	*0.05000*		*117*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0462*		mg/kg wet	*0.05000*		*92*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0543*		mg/kg wet	*0.05000*		*109*	*70-130*			
Surrogate: Toluene-d8	*0.0479*		mg/kg wet	*0.05000*		*96*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
1,1,1-Trichloroethane	0.0590	0.0050	mg/kg wet	0.05000		118	70-130			
1,1,2,2-Tetrachloroethane	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
1,1,2-Trichloroethane	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
1,1-Dichloroethane	0.0575	0.0050	mg/kg wet	0.05000		115	70-130			
1,1-Dichloroethene	0.0575	0.0050	mg/kg wet	0.05000		115	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0612

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CG92104 - 5035										
1,1-Dichloropropene	0.0583	0.0050	mg/kg wet	0.05000		117	70-130			
1,2,3-Trichlorobenzene	0.0552	0.0050	mg/kg wet	0.05000		110	70-130			
1,2,3-Trichloropropane	0.0483	0.0050	mg/kg wet	0.05000		97	70-130			
1,2,4-Trichlorobenzene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130			
1,2,4-Trimethylbenzene	0.0559	0.0050	mg/kg wet	0.05000		112	70-130			
1,2-Dibromo-3-Chloropropane	0.0497	0.0050	mg/kg wet	0.05000		99	70-130			
1,2-Dibromoethane	0.0525	0.0050	mg/kg wet	0.05000		105	70-130			
1,2-Dichlorobenzene	0.0510	0.0050	mg/kg wet	0.05000		102	70-130			
1,2-Dichloroethane	0.0552	0.0050	mg/kg wet	0.05000		110	70-130			
1,2-Dichloropropane	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
1,3,5-Trimethylbenzene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130			
1,3-Dichlorobenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130			
1,3-Dichloropropane	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
1,4-Dichlorobenzene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
1,4-Dioxane	0.837	0.100	mg/kg wet	1.000		84	70-130			
1-Chlorohexane	0.0444	0.0050	mg/kg wet	0.05000		89	70-130			
2,2-Dichloropropane	0.0589	0.0050	mg/kg wet	0.05000		118	70-130			
2-Butanone	0.260	0.0500	mg/kg wet	0.2500		104	70-130			
2-Chlorotoluene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
2-Hexanone	0.231	0.0500	mg/kg wet	0.2500		92	70-130			
4-Chlorotoluene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130			
4-Isopropyltoluene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130			
4-Methyl-2-Pentanone	0.234	0.0500	mg/kg wet	0.2500		93	70-130			
Acetone	0.227	0.0500	mg/kg wet	0.2500		91	70-130			
Benzene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130			
Bromobenzene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130			
Bromochloromethane	0.0534	0.0050	mg/kg wet	0.05000		107	70-130			
Bromodichloromethane	0.0602	0.0050	mg/kg wet	0.05000		120	70-130			
Bromoform	0.0529	0.0050	mg/kg wet	0.05000		106	70-130			
Bromomethane	0.0513	0.0100	mg/kg wet	0.05000		103	70-130			
Carbon Disulfide	0.0597	0.0050	mg/kg wet	0.05000		119	70-130			
Carbon Tetrachloride	0.0580	0.0050	mg/kg wet	0.05000		116	70-130			
Chlorobenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
Chloroethane	0.0493	0.0100	mg/kg wet	0.05000		99	70-130			
Chloroform	0.0556	0.0050	mg/kg wet	0.05000		111	70-130			
Chloromethane	0.0512	0.0100	mg/kg wet	0.05000		102	70-130			
cis-1,2-Dichloroethene	0.0565	0.0050	mg/kg wet	0.05000		113	70-130			
cis-1,3-Dichloropropene	0.0602	0.0050	mg/kg wet	0.05000		120	70-130			
Dibromochloromethane	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
Dibromomethane	0.0550	0.0050	mg/kg wet	0.05000		110	70-130			
Dichlorodifluoromethane	0.0447	0.0100	mg/kg wet	0.05000		89	70-130			
Diethyl Ether	0.0571	0.0050	mg/kg wet	0.05000		114	70-130			
Di-isopropyl ether	0.0529	0.0050	mg/kg wet	0.05000		106	70-130			
Ethyl tertiary-butyl ether	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
Ethylbenzene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0612

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CG92104 - 5035										
Hexachlorobutadiene	0.0548	0.0050	mg/kg wet	0.05000		110	70-130			
Isopropylbenzene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130			
Methyl tert-Butyl Ether	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
Methylene Chloride	0.0586	0.0250	mg/kg wet	0.05000		117	70-130			
Naphthalene	0.0471	0.0050	mg/kg wet	0.05000		94	70-130			
n-Butylbenzene	0.0563	0.0050	mg/kg wet	0.05000		113	70-130			
n-Propylbenzene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
sec-Butylbenzene	0.0521	0.0050	mg/kg wet	0.05000		104	70-130			
Styrene	0.0563	0.0050	mg/kg wet	0.05000		113	70-130			
tert-Butylbenzene	0.0538	0.0050	mg/kg wet	0.05000		108	70-130			
Tertiary-amyl methyl ether	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			
Tetrachloroethene	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
Tetrahydrofuran	0.0533	0.0050	mg/kg wet	0.05000		107	70-130			
Toluene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130			
trans-1,2-Dichloroethene	0.0574	0.0050	mg/kg wet	0.05000		115	70-130			
trans-1,3-Dichloropropene	0.0579	0.0050	mg/kg wet	0.05000		116	70-130			
Trichloroethene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
Trichlorofluoromethane	0.0551	0.0050	mg/kg wet	0.05000		110	70-130			
Vinyl Acetate	0.0483	0.0050	mg/kg wet	0.05000		97	70-130			
Vinyl Chloride	0.0516	0.0100	mg/kg wet	0.05000		103	70-130			
Xylene O	0.0539	0.0050	mg/kg wet	0.05000		108	70-130			
Xylene P,M	0.109	0.0100	mg/kg wet	0.1000		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0508*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0520*		mg/kg wet	*0.05000*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0521*		mg/kg wet	*0.05000*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.0490*		mg/kg wet	*0.05000*		*98*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0581	0.0050	mg/kg wet	0.05000		116	70-130	7	25	
1,1,1-Trichloroethane	0.0638	0.0050	mg/kg wet	0.05000		128	70-130	8	25	
1,1,2,2-Tetrachloroethane	0.0584	0.0050	mg/kg wet	0.05000		117	70-130	15	25	
1,1,2-Trichloroethane	0.0602	0.0050	mg/kg wet	0.05000		120	70-130	9	25	
1,1-Dichloroethane	0.0621	0.0050	mg/kg wet	0.05000		124	70-130	8	25	
1,1-Dichloroethene	0.0637	0.0050	mg/kg wet	0.05000		127	70-130	10	25	
1,1-Dichloropropene	0.0625	0.0050	mg/kg wet	0.05000		125	70-130	7	25	
1,2,3-Trichlorobenzene	0.0609	0.0050	mg/kg wet	0.05000		122	70-130	10	25	
1,2,3-Trichloropropane	0.0571	0.0050	mg/kg wet	0.05000		114	70-130	17	25	
1,2,4-Trichlorobenzene	0.0614	0.0050	mg/kg wet	0.05000		123	70-130	10	25	
1,2,4-Trimethylbenzene	0.0607	0.0050	mg/kg wet	0.05000		121	70-130	8	25	
1,2-Dibromo-3-Chloropropane	0.0622	0.0050	mg/kg wet	0.05000		124	70-130	22	25	
1,2-Dibromoethane	0.0567	0.0050	mg/kg wet	0.05000		113	70-130	8	25	
1,2-Dichlorobenzene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	8	25	
1,2-Dichloroethane	0.0592	0.0050	mg/kg wet	0.05000		118	70-130	7	25	
1,2-Dichloropropane	0.0591	0.0050	mg/kg wet	0.05000		118	70-130	7	25	
1,3,5-Trimethylbenzene	0.0585	0.0050	mg/kg wet	0.05000		117	70-130	7	25	
1,3-Dichlorobenzene	0.0558	0.0050	mg/kg wet	0.05000		112	70-130	6	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0612

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CG92104 - 5035										
1,3-Dichloropropane	0.0582	0.0050	mg/kg wet	0.05000		116	70-130	8	25	
1,4-Dichlorobenzene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	8	25	
1,4-Dioxane	0.980	0.100	mg/kg wet	1.000		98	70-130	16	20	
1-Chlorohexane	0.0488	0.0050	mg/kg wet	0.05000		98	70-130	9	25	
2,2-Dichloropropane	0.0624	0.0050	mg/kg wet	0.05000		125	70-130	6	25	
2-Butanone	0.293	0.0500	mg/kg wet	0.2500		117	70-130	12	25	
2-Chlorotoluene	0.0560	0.0050	mg/kg wet	0.05000		112	70-130	8	25	
2-Hexanone	0.268	0.0500	mg/kg wet	0.2500		107	70-130	15	25	
4-Chlorotoluene	0.0567	0.0050	mg/kg wet	0.05000		113	70-130	9	25	
4-Isopropyltoluene	0.0577	0.0050	mg/kg wet	0.05000		115	70-130	10	25	
4-Methyl-2-Pentanone	0.275	0.0500	mg/kg wet	0.2500		110	70-130	16	25	
Acetone	0.272	0.0500	mg/kg wet	0.2500		109	70-130	18	25	
Benzene	0.0589	0.0050	mg/kg wet	0.05000		118	70-130	8	25	
Bromobenzene	0.0568	0.0050	mg/kg wet	0.05000		114	70-130	9	25	
Bromochloromethane	0.0571	0.0050	mg/kg wet	0.05000		114	70-130	7	25	
Bromodichloromethane	0.0642	0.0050	mg/kg wet	0.05000		128	70-130	6	25	
Bromoform	0.0586	0.0050	mg/kg wet	0.05000		117	70-130	10	25	
Bromomethane	0.0532	0.0100	mg/kg wet	0.05000		106	70-130	4	25	
Carbon Disulfide	0.0648	0.0050	mg/kg wet	0.05000		130	70-130	8	25	
Carbon Tetrachloride	0.0623	0.0050	mg/kg wet	0.05000		125	70-130	7	25	
Chlorobenzene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	7	25	
Chloroethane	0.0535	0.0100	mg/kg wet	0.05000		107	70-130	8	25	
Chloroform	0.0595	0.0050	mg/kg wet	0.05000		119	70-130	7	25	
Chloromethane	0.0549	0.0100	mg/kg wet	0.05000		110	70-130	7	25	
cis-1,2-Dichloroethene	0.0623	0.0050	mg/kg wet	0.05000		125	70-130	10	25	
cis-1,3-Dichloropropene	0.0648	0.0050	mg/kg wet	0.05000		130	70-130	7	25	
Dibromochloromethane	0.0591	0.0050	mg/kg wet	0.05000		118	70-130	7	25	
Dibromomethane	0.0608	0.0050	mg/kg wet	0.05000		122	70-130	10	25	
Dichlorodifluoromethane	0.0468	0.0100	mg/kg wet	0.05000		94	70-130	5	25	
Diethyl Ether	0.0641	0.0050	mg/kg wet	0.05000		128	70-130	11	25	
Di-isopropyl ether	0.0574	0.0050	mg/kg wet	0.05000		115	70-130	8	25	
Ethyl tertiary-butyl ether	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	8	25	
Ethylbenzene	0.0585	0.0050	mg/kg wet	0.05000		117	70-130	8	25	
Hexachlorobutadiene	0.0600	0.0050	mg/kg wet	0.05000		120	70-130	9	25	
Isopropylbenzene	0.0586	0.0050	mg/kg wet	0.05000		117	70-130	9	25	
Methyl tert-Butyl Ether	0.0614	0.0050	mg/kg wet	0.05000		123	70-130	11	25	
Methylene Chloride	0.0632	0.0250	mg/kg wet	0.05000		126	70-130	8	25	
Naphthalene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	15	25	
n-Butylbenzene	0.0616	0.0050	mg/kg wet	0.05000		123	70-130	9	25	
n-Propylbenzene	0.0588	0.0050	mg/kg wet	0.05000		118	70-130	9	25	
sec-Butylbenzene	0.0574	0.0050	mg/kg wet	0.05000		115	70-130	10	25	
Styrene	0.0595	0.0050	mg/kg wet	0.05000		119	70-130	5	25	
tert-Butylbenzene	0.0591	0.0050	mg/kg wet	0.05000		118	70-130	9	25	
Tertiary-amyl methyl ether	0.0574	0.0050	mg/kg wet	0.05000		115	70-130	11	25	
Tetrachloroethene	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	5	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0612

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CG92104 - 5035										
Tetrahydrofuran	0.0640	0.0050	mg/kg wet	0.05000		128	70-130	18	25	
Toluene	0.0593	0.0050	mg/kg wet	0.05000		119	70-130	8	25	
trans-1,2-Dichloroethene	0.0620	0.0050	mg/kg wet	0.05000		124	70-130	8	25	
trans-1,3-Dichloropropene	0.0640	0.0050	mg/kg wet	0.05000		128	70-130	10	25	
Trichloroethene	0.0597	0.0050	mg/kg wet	0.05000		119	70-130	8	25	
Trichlorofluoromethane	0.0589	0.0050	mg/kg wet	0.05000		118	70-130	7	25	
Vinyl Acetate	0.0560	0.0050	mg/kg wet	0.05000		112	70-130	15	25	
Vinyl Chloride	0.0554	0.0100	mg/kg wet	0.05000		111	70-130	7	25	
Xylene O	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	3	25	
Xylene P,M	0.113	0.0100	mg/kg wet	0.1000		113	70-130	4	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0504*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0494*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0507*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0470*		mg/kg wet	*0.05000*		*94*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch CG92005 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.54*		mg/kg wet	*5.000*		*91*	*40-140*			
LCS										
Decane (C10)	2.6	0.2	mg/kg wet	2.500		102	40-140			
Docosane (C22)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Dodecane (C12)	2.6	0.2	mg/kg wet	2.500		104	40-140			
Eicosane (C20)	2.4	0.2	mg/kg wet	2.500		94	40-140			
Hexacosane (C26)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Hexadecane (C16)	2.5	0.2	mg/kg wet	2.500		99	40-140			
Nonadecane (C19)	2.5	0.2	mg/kg wet	2.500		100	40-140			
Nonane (C9)	2.3	0.2	mg/kg wet	2.500		92	30-140			
Octacosane (C28)	2.1	0.2	mg/kg wet	2.500		82	40-140			
Octadecane (C18)	2.4	0.2	mg/kg wet	2.500		97	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 19G0612

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CG92005 - 3546										
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Tetradecane (C14)	2.6	0.2	mg/kg wet	2.500		102	40-140			
Total Petroleum Hydrocarbons	32.5	37.5	mg/kg wet	35.00		93	40-140			
Triacontane (C30)	2.0	0.2	mg/kg wet	2.500		80	40-140			
Surrogate: O-Terphenyl	*4.50*		mg/kg wet	*5.000*		*90*	*40-140*			
LCS Dup										
Decane (C10)	2.4	0.2	mg/kg wet	2.500		96	40-140	6	25	
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		88	40-140	3	25	
Dodecane (C12)	2.4	0.2	mg/kg wet	2.500		97	40-140	8	25	
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		90	40-140	5	25	
Hexacosane (C26)	2.1	0.2	mg/kg wet	2.500		84	40-140	0.5	25	
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		92	40-140	8	25	
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		95	40-140	6	25	
Nonane (C9)	2.2	0.2	mg/kg wet	2.500		86	30-140	7	25	
Octacosane (C28)	2.1	0.2	mg/kg wet	2.500		84	40-140	2	25	
Octadecane (C18)	2.3	0.2	mg/kg wet	2.500		91	40-140	6	25	
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		86	40-140	1	25	
Tetradecane (C14)	2.3	0.2	mg/kg wet	2.500		94	40-140	9	25	
Total Petroleum Hydrocarbons	31.4	37.5	mg/kg wet	35.00		90	40-140	4	25	
Triacontane (C30)	2.1	0.2	mg/kg wet	2.500		84	40-140	4	25	
Surrogate: O-Terphenyl	*4.19*		mg/kg wet	*5.000*		*84*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch CG92101 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CG92101 - 3546										
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CG92101 - 3546										
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.96*		mg/kg wet	*3.333*		*89*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.56*		mg/kg wet	*5.000*		*91*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.69*		mg/kg wet	*5.000*		*94*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*3.02*		mg/kg wet	*3.333*		*90*	*30-130*			
Surrogate: 2-Fluorophenol	*4.75*		mg/kg wet	*5.000*		*95*	*30-130*			
Surrogate: Nitrobenzene-d5	*3.17*		mg/kg wet	*3.333*		*95*	*30-130*			
Surrogate: Phenol-d6	*4.85*		mg/kg wet	*5.000*		*97*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.45*		mg/kg wet	*3.333*		*104*	*30-130*			
LCS										
1,1-Biphenyl	2.90	0.333	mg/kg wet	3.333		87	40-140			
1,2,4-Trichlorobenzene	2.96	0.333	mg/kg wet	3.333		89	40-140			
1,2-Dichlorobenzene	2.95	0.333	mg/kg wet	3.333		89	40-140			
1,3-Dichlorobenzene	2.91	0.333	mg/kg wet	3.333		87	40-140			
1,4-Dichlorobenzene	2.91	0.333	mg/kg wet	3.333		87	40-140			
2,3,4,6-Tetrachlorophenol	2.94	1.67	mg/kg wet	3.333		88	30-130			
2,4,5-Trichlorophenol	3.28	0.333	mg/kg wet	3.333		98	30-130			
2,4,6-Trichlorophenol	3.19	0.333	mg/kg wet	3.333		96	30-130			
2,4-Dichlorophenol	3.33	0.333	mg/kg wet	3.333		100	30-130			
2,4-Dimethylphenol	3.10	0.333	mg/kg wet	3.333		93	30-130			
2,4-Dinitrophenol	3.87	1.67	mg/kg wet	3.333		116	30-130			
2,4-Dinitrotoluene	3.38	0.333	mg/kg wet	3.333		101	40-140			
2,6-Dinitrotoluene	3.23	0.333	mg/kg wet	3.333		97	40-140			
2-Chloronaphthalene	2.81	0.333	mg/kg wet	3.333		84	40-140			
2-Chlorophenol	3.13	0.333	mg/kg wet	3.333		94	30-130			
2-Methylnaphthalene	2.90	0.333	mg/kg wet	3.333		87	40-140			
2-Methylphenol	3.16	0.333	mg/kg wet	3.333		95	30-130			
2-Nitroaniline	2.74	0.333	mg/kg wet	3.333		82	40-140			
2-Nitrophenol	3.16	0.333	mg/kg wet	3.333		95	30-130			
3,3´-Dichlorobenzidine	3.22	0.667	mg/kg wet	3.333		97	40-140			
3+4-Methylphenol	6.42	0.667	mg/kg wet	6.667		96	30-130			
3-Nitroaniline	3.14	0.333	mg/kg wet	3.333		94	40-140			
4,6-Dinitro-2-Methylphenol	4.16	1.67	mg/kg wet	3.333		125	30-130			
4-Bromophenyl-phenylether	3.26	0.333	mg/kg wet	3.333		98	40-140			
4-Chloro-3-Methylphenol	3.23	0.333	mg/kg wet	3.333		97	30-130			
4-Chloroaniline	2.47	0.667	mg/kg wet	3.333		74	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0612

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CG92101 - 3546										
4-Chloro-phenyl-phenyl ether	3.22	0.333	mg/kg wet	3.333		97	40-140			
4-Nitroaniline	3.22	0.333	mg/kg wet	3.333		97	40-140			
4-Nitrophenol	3.29	1.67	mg/kg wet	3.333		99	30-130			
Acenaphthene	2.96	0.333	mg/kg wet	3.333		89	40-140			
Acenaphthylene	2.91	0.333	mg/kg wet	3.333		87	40-140			
Acetophenone	2.90	0.667	mg/kg wet	3.333		87	40-140			
Aniline	2.54	0.667	mg/kg wet	3.333		76	40-140			
Anthracene	3.15	0.333	mg/kg wet	3.333		95	40-140			
Azobenzene	2.87	0.333	mg/kg wet	3.333		86	40-140			
Benzo(a)anthracene	3.37	0.333	mg/kg wet	3.333		101	40-140			
Benzo(a)pyrene	3.28	0.167	mg/kg wet	3.333		98	40-140			
Benzo(b)fluoranthene	3.43	0.333	mg/kg wet	3.333		103	40-140			
Benzo(g,h,i)perylene	3.41	0.333	mg/kg wet	3.333		102	40-140			
Benzo(k)fluoranthene	2.92	0.333	mg/kg wet	3.333		88	40-140			
Benzoic Acid	3.59	1.67	mg/kg wet	3.333		108	40-140			
Benzyl Alcohol	3.09	0.333	mg/kg wet	3.333		93	40-140			
bis(2-Chloroethoxy)methane	3.08	0.333	mg/kg wet	3.333		92	40-140			
bis(2-Chloroethyl)ether	3.10	0.333	mg/kg wet	3.333		93	40-140			
bis(2-chloroisopropyl)Ether	2.87	0.333	mg/kg wet	3.333		86	40-140			
bis(2-Ethylhexyl)phthalate	3.99	0.333	mg/kg wet	3.333		120	40-140			
Butylbenzylphthalate	3.82	0.333	mg/kg wet	3.333		115	40-140			
Carbazole	3.18	0.333	mg/kg wet	3.333		95	40-140			
Chrysene	3.13	0.167	mg/kg wet	3.333		94	40-140			
Dibenzo(a,h)Anthracene	3.42	0.167	mg/kg wet	3.333		103	40-140			
Dibenzofuran	2.97	0.333	mg/kg wet	3.333		89	40-140			
Diethylphthalate	3.46	0.333	mg/kg wet	3.333		104	40-140			
Dimethylphthalate	3.27	0.333	mg/kg wet	3.333		98	40-140			
Di-n-butylphthalate	3.87	0.333	mg/kg wet	3.333		116	40-140			
Di-n-octylphthalate	4.08	0.333	mg/kg wet	3.333		122	40-140			
Fluoranthene	3.14	0.333	mg/kg wet	3.333		94	40-140			
Fluorene	3.17	0.333	mg/kg wet	3.333		95	40-140			
Hexachlorobenzene	2.91	0.167	mg/kg wet	3.333		87	40-140			
Hexachlorobutadiene	2.68	0.333	mg/kg wet	3.333		80	40-140			
Hexachlorocyclopentadiene	2.16	1.67	mg/kg wet	3.333		65	40-140			
Hexachloroethane	2.83	0.333	mg/kg wet	3.333		85	40-140			
Indeno(1,2,3-cd)Pyrene	3.48	0.333	mg/kg wet	3.333		104	40-140			
Isophorone	2.75	0.333	mg/kg wet	3.333		83	40-140			
Naphthalene	3.01	0.333	mg/kg wet	3.333		90	40-140			
Nitrobenzene	2.93	0.333	mg/kg wet	3.333		88	40-140			
N-Nitrosodimethylamine	2.70	0.333	mg/kg wet	3.333		81	40-140			
N-Nitroso-Di-n-Propylamine	3.03	0.333	mg/kg wet	3.333		91	40-140			
N-nitrosodiphenylamine	3.27	0.333	mg/kg wet	3.333		98	40-140			
Pentachlorophenol	3.65	1.67	mg/kg wet	3.333		109	30-130			
Phenanthrene	3.07	0.333	mg/kg wet	3.333		92	40-140			
Phenol	3.34	0.333	mg/kg wet	3.333		100	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0612

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CG92101 - 3546										
Pyrene	3.36	0.333	mg/kg wet	3.333		101	40-140			
Pyridine	2.48	1.67	mg/kg wet	3.333		74	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.82*		mg/kg wet	*3.333*		*85*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.56*		mg/kg wet	*5.000*		*91*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.82*		mg/kg wet	*5.000*		*96*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.98*		mg/kg wet	*3.333*		*89*	*30-130*			
Surrogate: 2-Fluorophenol	*4.94*		mg/kg wet	*5.000*		*99*	*30-130*			
Surrogate: Nitrobenzene-d5	*3.09*		mg/kg wet	*3.333*		*93*	*30-130*			
Surrogate: Phenol-d6	*5.06*		mg/kg wet	*5.000*		*101*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.40*		mg/kg wet	*3.333*		*102*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.92	0.333	mg/kg wet	3.333		88	40-140	0.8	30	
1,2,4-Trichlorobenzene	2.99	0.333	mg/kg wet	3.333		90	40-140	0.9	30	
1,2-Dichlorobenzene	2.98	0.333	mg/kg wet	3.333		89	40-140	0.9	30	
1,3-Dichlorobenzene	2.89	0.333	mg/kg wet	3.333		87	40-140	0.8	30	
1,4-Dichlorobenzene	2.93	0.333	mg/kg wet	3.333		88	40-140	0.5	30	
2,3,4,6-Tetrachlorophenol	3.00	1.67	mg/kg wet	3.333		90	30-130	2	30	
2,4,5-Trichlorophenol	3.28	0.333	mg/kg wet	3.333		98	30-130	0.01	30	
2,4,6-Trichlorophenol	3.27	0.333	mg/kg wet	3.333		98	30-130	2	30	
2,4-Dichlorophenol	3.36	0.333	mg/kg wet	3.333		101	30-130	0.8	30	
2,4-Dimethylphenol	3.09	0.333	mg/kg wet	3.333		93	30-130	0.4	30	
2,4-Dinitrophenol	4.02	1.67	mg/kg wet	3.333		121	30-130	4	30	
2,4-Dinitrotoluene	3.41	0.333	mg/kg wet	3.333		102	40-140	0.9	30	
2,6-Dinitrotoluene	3.28	0.333	mg/kg wet	3.333		98	40-140	1	30	
2-Chloronaphthalene	2.85	0.333	mg/kg wet	3.333		85	40-140	1	30	
2-Chlorophenol	3.16	0.333	mg/kg wet	3.333		95	30-130	1	30	
2-Methylnaphthalene	2.93	0.333	mg/kg wet	3.333		88	40-140	1	30	
2-Methylphenol	3.15	0.333	mg/kg wet	3.333		94	30-130	0.3	30	
2-Nitroaniline	2.73	0.333	mg/kg wet	3.333		82	40-140	0.4	30	
2-Nitrophenol	3.20	0.333	mg/kg wet	3.333		96	30-130	1	30	
3,3´-Dichlorobenzidine	3.23	0.667	mg/kg wet	3.333		97	40-140	0.2	30	
3+4-Methylphenol	6.41	0.667	mg/kg wet	6.667		96	30-130	0.2	30	
3-Nitroaniline	3.24	0.333	mg/kg wet	3.333		97	40-140	3	30	
4,6-Dinitro-2-Methylphenol	4.19	1.67	mg/kg wet	3.333		126	30-130	0.7	30	
4-Bromophenyl-phenylether	3.27	0.333	mg/kg wet	3.333		98	40-140	0.3	30	
4-Chloro-3-Methylphenol	3.24	0.333	mg/kg wet	3.333		97	30-130	0.5	30	
4-Chloroaniline	2.49	0.667	mg/kg wet	3.333		75	40-140	1	30	
4-Chloro-phenyl-phenyl ether	3.21	0.333	mg/kg wet	3.333		96	40-140	0.3	30	
4-Nitroaniline	3.27	0.333	mg/kg wet	3.333		98	40-140	2	30	
4-Nitrophenol	3.30	1.67	mg/kg wet	3.333		99	30-130	0.3	30	
Acenaphthene	2.98	0.333	mg/kg wet	3.333		90	40-140	0.8	30	
Acenaphthylene	2.91	0.333	mg/kg wet	3.333		87	40-140	0.1	30	
Acetophenone	2.87	0.667	mg/kg wet	3.333		86	40-140	1	30	
Aniline	2.54	0.667	mg/kg wet	3.333		76	40-140	0.02	30	
Anthracene	3.19	0.333	mg/kg wet	3.333		96	40-140	1	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0612

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CG92101 - 3546										
Azobenzene	2.85	0.333	mg/kg wet	3.333		86	40-140	0.6	30	
Benzo(a)anthracene	3.39	0.333	mg/kg wet	3.333		102	40-140	0.6	30	
Benzo(a)pyrene	3.33	0.167	mg/kg wet	3.333		100	40-140	2	30	
Benzo(b)fluoranthene	3.52	0.333	mg/kg wet	3.333		106	40-140	3	30	
Benzo(g,h,i)perylene	3.46	0.333	mg/kg wet	3.333		104	40-140	1	30	
Benzo(k)fluoranthene	2.98	0.333	mg/kg wet	3.333		89	40-140	2	30	
Benzoic Acid	3.66	1.67	mg/kg wet	3.333		110	40-140	2	30	
Benzyl Alcohol	3.06	0.333	mg/kg wet	3.333		92	40-140	0.9	30	
bis(2-Chloroethoxy)methane	3.08	0.333	mg/kg wet	3.333		92	40-140	0.02	30	
bis(2-Chloroethyl)ether	3.04	0.333	mg/kg wet	3.333		91	40-140	2	30	
bis(2-chloroisopropyl)Ether	2.88	0.333	mg/kg wet	3.333		86	40-140	0.4	30	
bis(2-Ethylhexyl)phthalate	3.99	0.333	mg/kg wet	3.333		120	40-140	0.01	30	
Butylbenzylphthalate	3.83	0.333	mg/kg wet	3.333		115	40-140	0.1	30	
Carbazole	3.27	0.333	mg/kg wet	3.333		98	40-140	3	30	
Chrysene	3.17	0.167	mg/kg wet	3.333		95	40-140	1	30	
Dibenzo(a,h)Anthracene	3.49	0.167	mg/kg wet	3.333		105	40-140	2	30	
Dibenzofuran	3.00	0.333	mg/kg wet	3.333		90	40-140	0.7	30	
Diethylphthalate	3.45	0.333	mg/kg wet	3.333		104	40-140	0.3	30	
Dimethylphthalate	3.32	0.333	mg/kg wet	3.333		99	40-140	1	30	
Di-n-butylphthalate	3.88	0.333	mg/kg wet	3.333		116	40-140	0.3	30	
Di-n-octylphthalate	4.14	0.333	mg/kg wet	3.333		124	40-140	1	30	
Fluoranthene	3.22	0.333	mg/kg wet	3.333		97	40-140	2	30	
Fluorene	3.19	0.333	mg/kg wet	3.333		96	40-140	0.7	30	
Hexachlorobenzene	2.98	0.167	mg/kg wet	3.333		89	40-140	2	30	
Hexachlorobutadiene	2.72	0.333	mg/kg wet	3.333		82	40-140	2	30	
Hexachlorocyclopentadiene	2.14	1.67	mg/kg wet	3.333		64	40-140	0.9	30	
Hexachloroethane	2.79	0.333	mg/kg wet	3.333		84	40-140	2	30	
Indeno(1,2,3-cd)Pyrene	3.55	0.333	mg/kg wet	3.333		106	40-140	2	30	
Isophorone	2.76	0.333	mg/kg wet	3.333		83	40-140	0.2	30	
Naphthalene	3.06	0.333	mg/kg wet	3.333		92	40-140	2	30	
Nitrobenzene	2.98	0.333	mg/kg wet	3.333		90	40-140	2	30	
N-Nitrosodimethylamine	2.63	0.333	mg/kg wet	3.333		79	40-140	2	30	
N-Nitroso-Di-n-Propylamine	3.01	0.333	mg/kg wet	3.333		90	40-140	0.5	30	
N-nitrosodiphenylamine	3.33	0.333	mg/kg wet	3.333		100	40-140	2	30	
Pentachlorophenol	3.76	1.67	mg/kg wet	3.333		113	30-130	3	30	
Phenanthrene	3.11	0.333	mg/kg wet	3.333		93	40-140	1	30	
Phenol	3.30	0.333	mg/kg wet	3.333		99	30-130	1	30	
Pyrene	3.40	0.333	mg/kg wet	3.333		102	40-140	1	30	
Pyridine	2.57	1.67	mg/kg wet	3.333		77	40-140	3	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.84*		mg/kg wet	*3.333*		*85*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.55*		mg/kg wet	*5.000*		*91*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.74*		mg/kg wet	*5.000*		*95*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*3.04*		mg/kg wet	*3.333*		*91*	*30-130*			
Surrogate: 2-Fluorophenol	*4.87*		mg/kg wet	*5.000*		*97*	*30-130*			
Surrogate: Nitrobenzene-d5	*3.12*		mg/kg wet	*3.333*		*94*	*30-130*			
Surrogate: Phenol-d6	*5.00*		mg/kg wet	*5.000*		*100*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0612

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CG92101 - 3546										
Surrogate: p-Terphenyl-d14	*3.43*		mg/kg wet	*3.333*		*103*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0612

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0612

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Norwood, MA - GZA/MM

Shipped/Delivered Via: Client

ESS Project ID: 19G0612
Date Received: 7/19/2019
Project Due Date: 7/26/2019
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 4.8 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / (NA)
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? Yes / (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA

13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 7/19/19 Time: 1630 By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	366450	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
01	366458	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	366466	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
01	366481	Yes	NA	Yes	VOA Vial - Other	Other	
01	366482	Yes	NA	Yes	VOA Vial - Other	Other	
02	366449	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
02	366457	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
02	366465	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
02	366479	Yes	NA	Yes	VOA Vial - Other	Other	
02	366480	Yes	NA	Yes	VOA Vial - Other	Other	
03	366448	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
03	366456	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
03	366464	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
03	366477	Yes	NA	Yes	VOA Vial - Other	Other	
03	366478	Yes	NA	Yes	VOA Vial - Other	Other	
04	366447	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
04	366455	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
04	366463	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
04	366475	Yes	NA	Yes	VOA Vial - Other	Other	
04	366476	Yes	NA	Yes	VOA Vial - Other	Other	
05	366446	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
05	366454	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
05	366462	Yes	NA	Yes	VOA Vial - Methanol	MeOH	

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Norwood, MA - GZA/MM

ESS Project ID: 19G0612

Date Received: 7/19/2019

05	366473	Yes	NA	Yes	VOA Vial - Other	Other
05	366474	Yes	NA	Yes	VOA Vial - Other	Other
06	366445	Yes	NA	Yes	2 oz. Jar - Unpres	NP
06	366453	Yes	NA	Yes	8 oz. Jar - Unpres	NP
06	366461	Yes	NA	Yes	VOA Vial - Methanol	MeOH
06	366471	Yes	NA	Yes	VOA Vial - Other	Other
06	366472	Yes	NA	Yes	VOA Vial - Other	Other
07	366444	Yes	NA	Yes	2 oz. Jar - Unpres	NP
07	366452	Yes	NA	Yes	8 oz. Jar - Unpres	NP
07	366460	Yes	NA	Yes	VOA Vial - Methanol	MeOH
07	366469	Yes	NA	Yes	VOA Vial - Other	Other
07	366470	Yes	NA	Yes	VOA Vial - Other	Other
08	366443	Yes	NA	Yes	2 oz. Jar - Unpres	NP
08	366451	Yes	NA	Yes	8 oz. Jar - Unpres	NP
08	366459	Yes	NA	Yes	VOA Vial - Methanol	MeOH
08	366467	Yes	NA	Yes	VOA Vial - Other	Other
08	366468	Yes	NA	Yes	VOA Vial - Other	Other
09	366442	Yes	NA	Yes	4 oz. Jar - Unpres	NP
10	366441	Yes	NA	Yes	4 oz. Jar - Unpres	NP
11	366440	Yes	NA	Yes	4 oz. Jar - Unpres	NP
12	366439	Yes	NA	Yes	4 oz. Jar - Unpres	NP
13	366438	Yes	NA	Yes	4 oz. Jar - Unpres	NP
14	366437	Yes	NA	Yes	4 oz. Jar - Unpres	NP
15	366436	Yes	NA	Yes	4 oz. Jar - Unpres	NP
16	366435	Yes	NA	Yes	4 oz. Jar - Unpres	NP
17	366434	Yes	NA	Yes	4 oz. Jar - Unpres	NP
18	366433	Yes	NA	Yes	4 oz. Jar - Unpres	NP
19	366432	Yes	NA	Yes	4 oz. Jar - Unpres	NP
20	366431	Yes	NA	Yes	4 oz. Jar - Unpres	NP

2nd Review

Were all containers scanned into storage/lab? Initials MJ Yes / No

Are barcode labels on correct containers? Yes / No / NA

Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA

Are all Hex Chrome stickers attached? Yes / No / NA

Are all QC stickers attached? Yes / No / NA

Are VOA stickers attached if bubbles noted? Yes / No / NA

Completed By: [signature] Date & Time: 7/19/19 1613

Reviewed By: [signature] Date & Time: 7/19/19 1630

Delivered By: [signature] 7/19/19 1630

CHAIN OF CUSTODY

ESS Laboratory
Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

ESS Lab # 19O612

Turn Time 5 Days

Regulatory State RI

Is this project for any of the following?: ○ CT RCP ○ MA MCP ○ RGP

Reporting Limits

Electonic Deliverables ☒ Data Checker ☒ Excel ☒ Other (Please Specify →) PDF

Company Name: GZA
Contact Person: Lucas Withers
City: Providence
State: RI
Telephone Number: 603-325-1825
FAX Number:
Project #: 33554.04 Task 6.2
Project Name: 642 Allens Ave - EPLP
Address: 100 Valley St, Suite 300
Zip Code: 02909
PO #:
Email Address: Lucas.withers@gza.com

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis: VOC (8260B)	SVOC (8270D)	TPH (8100M)	PP-13 Metals	% Solids	Arsenic
1	7-19-19	0850	C	Soil	071919-1.5 DG-1	X	X	X	X	X	
2		0900			071919-1.5 DG-2	X	X	X	X	X	
3		0910			071919-1.5 DG-3	X	X	X	X	X	
4		0920			071919-1.5 DG-4	X	X	X	X	X	
5		0930			071919-1.5 DG-5	X	X	X	X	X	
6		0940			071919-1.5 DG-6	X	X	X	X	X	
7		0950			071919-1.5 DG-7	X	X	X	X	X	
8		1000			071919-1.5 DG-8	X	X	X	X	X	
9		1020			071919-AR1						X
10		1025			071919-AR2						X
						V					9
											1
						3					1

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*
Number of Containers per Sample:

Laboratory Use Only
Cooler Present: Y
Seals Intact: NA
Cooler Temperature: 1 °C
○ Drop Off ○ Pickup

Sampled by: EMB

Comments: Please specify "Other" preservative and containers types in this space
- National Grid rates Apply.

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
[signature] 7-19-19 1730	[signature] 7/19/19 1521	[signature] 7/19/19 1521	[signature] 7/19/19 1521
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.essLaboratory.com

CHAIN OF CUSTODY

ESS Lab # 190612

Turn Time: 5 Days
Regulatory State: RI
Reporting Limits:
Is this project for any of the following?: ○ CT RCP ○ MA MCP ○ RGP
Electonic Deliverables: ☒ Data Checker ☒ Excel ☒ Other (Please Specify →) PDF

Company Name	Project #	Project Name
GZA	33554.04	642 Allens Ave. - EPLP
Contact Person	**Address**	
Lucas Withers	Task 6.2	158 Valley St., Suite 300
City	**State**	**Zip Code** / **PO #**
Providence	RI	02909
Telephone Number	**FAX Number**	**Email Address**
603-325-1895		

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis: Arsenic
11	7-19-19	1030	C	Soil	071919-AR3	X
12		1035			071919-AR4	X
13		1040			071919-AR5	X
14		1045			071919-AR6	X
15		1050			071919-AR7	X
16		1055			071919-AR8	X
17		1100			071919-AR9	X
18		1105			071919-AR10	X
19		1110			071919-AR11	X
20		1115			071919-AR12	X

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*

Number of Containers per Sample:	1

Laboratory Use Only
Cooler Present: Y ○ Drop Off
Seals Intact: NA ○ Pickup
Cooler Temperature: 1.1 °C

Sampled by: EMB
Comments: Please specify "Other" preservative and containers types in this space

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
7-19-19 (1300)			7/19/19 1500
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

Page 2 of 4

CERTIFICATE OF ANALYSIS

Sophia Narkiewicz
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: 642 Allens Ave (03.0033554.04)
ESS Laboratory Work Order Number: 19G0613

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 4:15 pm, Jul 26, 2019

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0613

SAMPLE RECEIPT

The following samples were received on July 19, 2019 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	Sample Name	Matrix	Analysis
19G0613-01	071919-AR13	Soil	6010C
19G0613-02	071919-AR14	Soil	6010C
19G0613-03	071919-AR15	Soil	6010C
19G0613-04	071919-AR16	Soil	6010C
19G0613-05	071919-AR17	Soil	6010C
19G0613-06	071919-AR18	Soil	6010C
19G0613-07	071919-AR19	Soil	6010C
19G0613-08	071919-AR20	Soil	6010C
19G0613-09	071919-AR21	Soil	6010C
19G0613-10	071919-AR22	Soil	6010C
19G0613-11	071919-AR23	Soil	6010C
19G0613-12	071919-AR24	Soil	6010C

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0613

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0613

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR13
Date Sampled: 07/19/19 11:20
Percent Solids: 95

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.83** (2.36)		6010C		1	KJK	07/23/19 22:05	2.22	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR14
Date Sampled: 07/19/19 11:25
Percent Solids: 96

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.63** (2.39)		6010C		1	KJK	07/23/19 22:35	2.19	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR15
Date Sampled: 07/19/19 11:30
Percent Solids: 96

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.52** (2.32)		6010C		1	KJK	07/24/19 15:21	2.24	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR16
Date Sampled: 07/19/19 11:35
Percent Solids: 97

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.90** (2.57)		6010C		1	KJK	07/23/19 23:07	2.01	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR17
Date Sampled: 07/19/19 11:40
Percent Solids: 97

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-05
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.11** (2.31)		6010C		1	KJK	07/23/19 23:22	2.24	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR18
Date Sampled: 07/19/19 11:45
Percent Solids: 96

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-06
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.29** (2.34)		6010C		1	KJK	07/23/19 23:26	2.22	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR19
Date Sampled: 07/19/19 11:50
Percent Solids: 95

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-07
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.27** (1.96)		6010C		1	KJK	07/23/19 23:30	2.69	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR20
Date Sampled: 07/19/19 11:55
Percent Solids: 97

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-08
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.77** (2.20)		6010C		1	KJK	07/23/19 23:33	2.35	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR21
Date Sampled: 07/19/19 12:00
Percent Solids: 95

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-09
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.35** (2.30)		6010C		1	KJK	07/23/19 23:37	2.28	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR22
Date Sampled: 07/19/19 12:05
Percent Solids: 94

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-10
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.39** (2.37)		6010C		1	KJK	07/24/19 15:25	2.25	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR23
Date Sampled: 07/19/19 12:10
Percent Solids: 95

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-11
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.36** (2.24)		6010C		1	KJK	07/23/19 23:45	2.34	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR24
Date Sampled: 07/19/19 12:15
Percent Solids: 96

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-12
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.77** (2.46)		6010C		1	KJK	07/23/19 23:49	2.12	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0613

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CG92250 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
LCS										
Arsenic	125	8.33	mg/kg wet	128.0		98	85-114			
LCS Dup										
Arsenic	127	8.93	mg/kg wet	128.0		99	85-114	1	20	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave ESS Laboratory Work Order: 19G0613

Notes and Definitions

U	Analyte included in the analysis, but not detected
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0613

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/HDM

Shipped/Delivered Via: ESS Courier Client 7/19/19

ESS Project ID: 19G0613
Date Received: 7/19/2019
Project Due Date: 7/26/2019
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 1.1 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. Were labs informed about short holds & rushes? Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA

13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: Time: By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	366502	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
02	366501	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
03	366500	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
04	366499	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
05	366498	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
06	366497	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
07	366496	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
08	366495	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
09	366494	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
10	366493	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
11	366492	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
12	366491	Yes	NA	Yes	4 oz. Jar - Unpres	NP	

2nd Review

Were all containers scanned into storage/lab? Initials
Are barcode labels on correct containers? Yes / No
Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA
Are all Hex Chrome stickers attached? Yes / No / NA
Are all QC stickers attached? Yes / No / NA
Are VOA stickers attached if bubbles noted? Yes / No / NA

Completed

ESS Laboratory Sample and Cooler Receipt Checklist

Client:	GZA - Providence, RI - GZA/HDM	ESS Project ID:	19G0613
By:		Date & Time:	7/19/19 1619
Reviewed By:		Date & Time:	7/19/19 1714
Delivered By:			7/19/19 1714

ESS Laboratory
Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.essalaboratory.com

CHAIN OF CUSTODY

ESS Lab # 19Q0613

Turn Time: 5 Days
Regulatory State: RI
Is this project for any of the following?: ○ CT RCP ○ MA MCP ○ RGP
Reporting Limits:
Electonic Deliverables: ☒ Data Checker ☒ Excel ☒ Other (Please Specify →) PDF

Company Name	Project #	Project Name
GZA	33554.04	642 Allens Ave. — FPLP
Contact Person	Task 6.2	**Address**
Lucas Withers		185 Valley St, Suite 300
City	**State**	**Zip Code** / **PO #**
Providence	RI	02909
Telephone Number	**FAX Number**	**Email Address**
607-325-1825		

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis: Arsenic
1	7-19-19	1120	C	Soil	071919-AR13	X
2		1125			071919-AR14	X
3		1130			071919-AR15	X
4		1135			071919-AR16	X
5		1140			071919-AR17	X
6		1145			071919-AR18	X
7		1150			071919-AR19	X
8		1155			071919-AR20	X
9		1200			071919-AR21	X
10		1205			071919-AR22	X

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial — 9
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other* — 9
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other* — 1
Number of Containers per Sample: 1

Laboratory Use Only
Cooler Present: ○ Drop Off
Seals Intact: NA ○ Pickup
Cooler Temperature: 1.1 °C

Sampled by: EMB
Comments: Please specify "Other" preservative and containers types in this space

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
7-19-19 (1300)	7/19/19 1520	7/19/19 1521	7/19/19 1520
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

Page 3 of 4

ESS Laboratory

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www.essiaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1990613

Turn Time: 5 Days
Regulatory State: RI
Is this project for any of the following?: ○ CT RCP ○ MA MCP ○ RGP
Reporting Limits
Electonic Deliverables: ☒ Data Checker ☒ Excel ☒ Other (Please Specify →) PDF

Company Name: GZA	Project #: 33554.04 Task 62	Project Name: 642 Allens Ave, - FPLP	
Contact Person: Lucas Withers		Address: 100 Valley St., Suite 300	PO #:
City: Providence	State: RI	Zip Code: 02909	
Telephone Number: 603-325-1835	FAX Number:	Email Address:	

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis: Arsenic
11	7-19-19	1210	C	Soil	071919-AR23	X
12	↓	1215	↓	↓	071919-AR24	X

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*
Number of Containers per Sample:

Laboratory Use Only
Cooler Present: ○ Drop Off
Seals Intact: ○ Pickup
Cooler Temperature: °C

Sampled by: EMB
Comments: Please specify "Other" preservative and containers types in this space

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
7-19-19 (1300)	7/19/19 1521	7/19/19 1521	7/19/19 1520
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

CERTIFICATE OF ANALYSIS

Sophia Narkiewicz
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: NGRID Liquefication Project (03.0033554.04)
ESS Laboratory Work Order Number: 19K0808

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 1:42 pm, Dec 05, 2019

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

SAMPLE RECEIPT

The following samples were received on November 25, 2019 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on November 25, 2019 at 19:31.

Lab Number	Sample Name	Matrix	Analysis
19K0808-01	Keating - 1.5in dense grade - pile B Sample 1	Soil	6010C
19K0808-02	Keating - 1.5in dense grade - pile B Sample 2	Soil	6010C
19K0808-03	Keating - 1.5in dense grade - pile B Sample 3	Soil	6010C
19K0808-04	Keating - 1.5in dense grade - pile B Sample 4	Soil	6010C
19K0808-05	Keating - 1.5in dense grade - pile B Sample 5	Soil	6010C
19K0808-06	Keating - 1.5in dense grade - pile B Sample 6	Soil	6010C
19K0808-07	Keating - 1.5in dense grade - pile B Sample 7	Soil	6010C
19K0808-08	Keating - 1.5in dense grade - pile B Sample 8	Soil	6010C
19K0808-09	Keating - 1.5in dense grade - pile B Sample 9	Soil	6010C
19K0808-10	Keating - 1.5in dense grade - pile B Sample 10	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
19K0808-11	Keating - 1.5in dense grade - pile B Sample 11	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
19K0808-12	Keating - 1.5in dense grade - pile B Sample 12	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project ESS Laboratory Work Order: 19K0808

PROJECT NARRATIVE

8270D Semi-Volatile Organic Compounds

C9K0420-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (76% @ 80-120%), 4,6-Dinitro-2-Methylphenol (78% @ 80-120%), Benzoic Acid (63% @ 80-120%), Pentachlorophenol (90% @ 80-120%)

C9K0420-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
2,4-Dinitrophenol (24% @ 20%), 4,6-Dinitro-2-Methylphenol (22% @ 20%), Benzoic Acid (37% @ 20%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 1
Date Sampled: 11/25/19 14:10
Percent Solids: 96

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.92)		6010C		1	KJK	11/27/19 18:29	2.72	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 2
Date Sampled: 11/25/19 14:15
Percent Solids: 95

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.18)		6010C		1	KJK	11/27/19 18:33	2.41	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 3
Date Sampled: 11/25/19 14:20
Percent Solids: 95

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.89)		6010C		1	KJK	11/27/19 18:37	2.78	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 4
Date Sampled: 11/25/19 14:25
Percent Solids: 95

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.44)		6010C		1	KJK	11/27/19 18:41	3.64	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 5
Date Sampled: 11/25/19 14:30
Percent Solids: 96

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-05
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.00)		6010C		1	KJK	11/27/19 18:45	2.61	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 6
Date Sampled: 11/25/19 14:35
Percent Solids: 96

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-06
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.10)		6010C		1	KJK	11/27/19 18:49	2.49	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 7
Date Sampled: 11/25/19 14:40
Percent Solids: 96

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-07
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.70)		6010C		1	KJK	11/27/19 18:52	3.07	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 8
Date Sampled: 11/25/19 14:45
Percent Solids: 96

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-08
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.05)		6010C		1	KJK	11/27/19 18:56	2.55	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 9
Date Sampled: 11/25/19 14:50
Percent Solids: 96

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-09
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.15)		6010C		1	KJK	11/27/19 19:00	2.43	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 10
Date Sampled: 11/25/19 14:55
Percent Solids: 96

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-10
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.06)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Arsenic	ND (2.03)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Beryllium	**0.27** (0.09)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Cadmium	ND (0.41)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Chromium	**17.8** (0.81)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Copper	**12.8** (2.03)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Lead	**4.07** (4.06)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Mercury	ND (0.021)		7471B		1	MKS	12/02/19 12:34	1	40	CK92650
Nickel	**9.28** (2.03)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Selenium	ND (4.06)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Silver	ND (0.41)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Thallium	ND (4.06)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Zinc	**32.4** (2.03)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 10
Date Sampled: 11/25/19 14:55
Percent Solids: 96
Initial Volume: 6.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-10
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,1,1-Trichloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,1,2,2-Tetrachloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,1,2-Trichloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,1-Dichloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,1-Dichloroethene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,1-Dichloropropene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,2,3-Trichlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,2,3-Trichloropropane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,2,4-Trichlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,2,4-Trimethylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,2-Dibromo-3-Chloropropane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,2-Dibromoethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,2-Dichlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,2-Dichloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,2-Dichloropropane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,3,5-Trimethylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,3-Dichlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,3-Dichloropropane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,4-Dichlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,4-Dioxane	ND (0.0793)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1-Chlorohexane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
2,2-Dichloropropane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
2-Butanone	ND (0.0396)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
2-Chlorotoluene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
2-Hexanone	ND (0.0396)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
4-Chlorotoluene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
4-Isopropyltoluene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
4-Methyl-2-Pentanone	ND (0.0396)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Acetone	ND (0.0396)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Benzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Bromobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 10
Date Sampled: 11/25/19 14:55
Percent Solids: 96
Initial Volume: 6.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-10
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Bromodichloromethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Bromoform	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Bromomethane	ND (0.0079)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Carbon Disulfide	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Carbon Tetrachloride	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Chlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Chloroethane	ND (0.0079)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Chloroform	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Chloromethane	ND (0.0079)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
cis-1,2-Dichloroethene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
cis-1,3-Dichloropropene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Dibromochloromethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Dibromomethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Dichlorodifluoromethane	ND (0.0079)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Diethyl Ether	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Di-isopropyl ether	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Ethyl tertiary-butyl ether	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Ethylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Hexachlorobutadiene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Isopropylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Methyl tert-Butyl Ether	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Methylene Chloride	ND (0.0198)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Naphthalene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
n-Butylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
n-Propylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
sec-Butylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Styrene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
tert-Butylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Tertiary-amyl methyl ether	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Tetrachloroethene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Tetrahydrofuran	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 10
Date Sampled: 11/25/19 14:55
Percent Solids: 96
Initial Volume: 6.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-10
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
trans-1,2-Dichloroethene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
trans-1,3-Dichloropropene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Trichloroethene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Trichlorofluoromethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Vinyl Acetate	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Vinyl Chloride	ND (0.0079)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Xylene O	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Xylene P,M	ND (0.0079)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Xylenes (Total)	ND (0.00793)		8260B Low		1	11/26/19 15:25		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*92 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*92 %*		*70-130*
Surrogate: Toluene-d8	*101 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 10
Date Sampled: 11/25/19 14:55
Percent Solids: 96
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-10
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 11/25/19 18:02

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (38.9)		8100M		1	11/26/19 22:53	C9K0423	CK92553

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*90 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 10
Date Sampled: 11/25/19 14:55
Percent Solids: 96
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-10
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/25/19 20:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
1,2,4-Trichlorobenzene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
1,2-Dichlorobenzene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
1,3-Dichlorobenzene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
1,4-Dichlorobenzene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2,3,4,6-Tetrachlorophenol	ND (1.78)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2,4,5-Trichlorophenol	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2,4,6-Trichlorophenol	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2,4-Dichlorophenol	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2,4-Dimethylphenol	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2,4-Dinitrophenol	ND (1.78)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2,4-Dinitrotoluene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2,6-Dinitrotoluene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2-Chloronaphthalene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2-Chlorophenol	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2-Methylnaphthalene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2-Methylphenol	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2-Nitroaniline	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2-Nitrophenol	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
3,3´-Dichlorobenzidine	ND (0.712)		8270D		1	11/26/19 21:34	C9K0420	CK92554
3+4-Methylphenol	ND (0.712)		8270D		1	11/26/19 21:34	C9K0420	CK92554
3-Nitroaniline	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
4,6-Dinitro-2-Methylphenol	ND (1.78)		8270D		1	11/26/19 21:34	C9K0420	CK92554
4-Bromophenyl-phenylether	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
4-Chloro-3-Methylphenol	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
4-Chloroaniline	ND (0.712)		8270D		1	11/26/19 21:34	C9K0420	CK92554
4-Chloro-phenyl-phenyl ether	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
4-Nitroaniline	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
4-Nitrophenol	ND (1.78)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Acenaphthene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Acenaphthylene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Acetophenone	ND (0.712)		8270D		1	11/26/19 21:34	C9K0420	CK92554

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 10
Date Sampled: 11/25/19 14:55
Percent Solids: 96
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-10
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/25/19 20:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.712)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Anthracene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Azobenzene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Benzo(a)anthracene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Benzo(a)pyrene	ND (0.178)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Benzo(b)fluoranthene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Benzo(g,h,i)perylene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Benzo(k)fluoranthene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Benzoic Acid	ND (1.78)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Benzyl Alcohol	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
bis(2-Chloroethoxy)methane	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
bis(2-Chloroethyl)ether	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
bis(2-chloroisopropyl)Ether	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
bis(2-Ethylhexyl)phthalate	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Butylbenzylphthalate	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Carbazole	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Chrysene	ND (0.178)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Dibenzo(a,h)Anthracene	ND (0.178)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Dibenzofuran	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Diethylphthalate	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Dimethylphthalate	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Di-n-butylphthalate	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Di-n-octylphthalate	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Fluoranthene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Fluorene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Hexachlorobenzene	ND (0.178)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Hexachlorobutadiene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Hexachlorocyclopentadiene	ND (1.78)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Hexachloroethane	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Indeno(1,2,3-cd)Pyrene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Isophorone	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Naphthalene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 10
Date Sampled: 11/25/19 14:55
Percent Solids: 96
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-10
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/25/19 20:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
N-Nitrosodimethylamine	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
N-Nitroso-Di-n-Propylamine	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
N-nitrosodiphenylamine	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Pentachlorophenol	ND (1.78)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Phenanthrene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Phenol	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Pyrene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Pyridine	ND (1.78)		8270D		1	11/26/19 21:34	C9K0420	CK92554

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*65 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*75 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*74 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*64 %*		*30-130*
Surrogate: 2-Fluorophenol	*75 %*		*30-130*
Surrogate: Nitrobenzene-d5	*67 %*		*30-130*
Surrogate: Phenol-d6	*72 %*		*30-130*
Surrogate: p-Terphenyl-d14	*78 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 11
Date Sampled: 11/25/19 15:00
Percent Solids: 96

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-11
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (3.69)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Arsenic	ND (1.84)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Beryllium	**0.30** (0.08)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Cadmium	ND (0.37)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Chromium	**12.8** (0.74)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Copper	**12.1** (1.84)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Lead	**8.63** (3.69)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Mercury	ND (0.018)		7471B		1	MKS	12/02/19 12:36	1.14	40	CK92650
Nickel	**10.0** (1.84)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Selenium	ND (3.69)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Silver	ND (0.37)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Thallium	ND (3.69)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Zinc	**33.9** (1.84)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 11
Date Sampled: 11/25/19 15:00
Percent Solids: 96
Initial Volume: 6.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-11
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,1,1-Trichloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,1,2,2-Tetrachloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,1,2-Trichloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,1-Dichloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,1-Dichloroethene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,1-Dichloropropene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,2,3-Trichlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,2,3-Trichloropropane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,2,4-Trichlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,2,4-Trimethylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,2-Dibromo-3-Chloropropane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,2-Dibromoethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,2-Dichlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,2-Dichloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,2-Dichloropropane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,3,5-Trimethylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,3-Dichlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,3-Dichloropropane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,4-Dichlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,4-Dioxane	ND (0.0805)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1-Chlorohexane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
2,2-Dichloropropane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
2-Butanone	ND (0.0403)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
2-Chlorotoluene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
2-Hexanone	ND (0.0403)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
4-Chlorotoluene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
4-Isopropyltoluene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
4-Methyl-2-Pentanone	ND (0.0403)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Acetone	ND (0.0403)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Benzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Bromobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 11
Date Sampled: 11/25/19 15:00
Percent Solids: 96
Initial Volume: 6.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-11
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Bromodichloromethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Bromoform	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Bromomethane	ND (0.0081)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Carbon Disulfide	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Carbon Tetrachloride	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Chlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Chloroethane	ND (0.0081)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Chloroform	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Chloromethane	ND (0.0081)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
cis-1,2-Dichloroethene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
cis-1,3-Dichloropropene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Dibromochloromethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Dibromomethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Dichlorodifluoromethane	ND (0.0081)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Diethyl Ether	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Di-isopropyl ether	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Ethyl tertiary-butyl ether	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Ethylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Hexachlorobutadiene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Isopropylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Methyl tert-Butyl Ether	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Methylene Chloride	ND (0.0201)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Naphthalene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
n-Butylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
n-Propylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
sec-Butylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Styrene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
tert-Butylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Tertiary-amyl methyl ether	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Tetrachloroethene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Tetrahydrofuran	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 11
Date Sampled: 11/25/19 15:00
Percent Solids: 96
Initial Volume: 6.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-11
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
trans-1,2-Dichloroethene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
trans-1,3-Dichloropropene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Trichloroethene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Trichlorofluoromethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Vinyl Acetate	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Vinyl Chloride	ND (0.0081)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Xylene O	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Xylene P,M	ND (0.0081)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Xylenes (Total)	ND (0.00805)		8260B Low		1	11/26/19 15:51		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*95 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*97 %*		*70-130*
Surrogate: Dibromofluoromethane	*94 %*		*70-130*
Surrogate: Toluene-d8	*100 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 11
Date Sampled: 11/25/19 15:00
Percent Solids: 96
Initial Volume: 20.5
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-11
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 11/25/19 18:02

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (38.3)		8100M		1	11/26/19 23:29	C9K0423	CK92553

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*73 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 11
Date Sampled: 11/25/19 15:00
Percent Solids: 96
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-11
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/25/19 20:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
1,2,4-Trichlorobenzene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
1,2-Dichlorobenzene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
1,3-Dichlorobenzene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
1,4-Dichlorobenzene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2,3,4,6-Tetrachlorophenol	ND (1.77)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2,4,5-Trichlorophenol	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2,4,6-Trichlorophenol	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2,4-Dichlorophenol	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2,4-Dimethylphenol	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2,4-Dinitrophenol	ND (1.77)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2,4-Dinitrotoluene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2,6-Dinitrotoluene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2-Chloronaphthalene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2-Chlorophenol	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2-Methylnaphthalene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2-Methylphenol	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2-Nitroaniline	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2-Nitrophenol	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
3,3´-Dichlorobenzidine	ND (0.708)		8270D		1	11/26/19 22:01	C9K0420	CK92554
3+4-Methylphenol	ND (0.708)		8270D		1	11/26/19 22:01	C9K0420	CK92554
3-Nitroaniline	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
4,6-Dinitro-2-Methylphenol	ND (1.77)		8270D		1	11/26/19 22:01	C9K0420	CK92554
4-Bromophenyl-phenylether	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
4-Chloro-3-Methylphenol	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
4-Chloroaniline	ND (0.708)		8270D		1	11/26/19 22:01	C9K0420	CK92554
4-Chloro-phenyl-phenyl ether	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
4-Nitroaniline	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
4-Nitrophenol	ND (1.77)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Acenaphthene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Acenaphthylene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Acetophenone	ND (0.708)		8270D		1	11/26/19 22:01	C9K0420	CK92554

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 11
Date Sampled: 11/25/19 15:00
Percent Solids: 96
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-11
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/25/19 20:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.708)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Anthracene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Azobenzene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Benzo(a)anthracene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Benzo(a)pyrene	ND (0.177)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Benzo(b)fluoranthene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Benzo(g,h,i)perylene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Benzo(k)fluoranthene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Benzoic Acid	ND (1.77)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Benzyl Alcohol	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
bis(2-Chloroethoxy)methane	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
bis(2-Chloroethyl)ether	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
bis(2-chloroisopropyl)Ether	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
bis(2-Ethylhexyl)phthalate	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Butylbenzylphthalate	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Carbazole	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Chrysene	ND (0.177)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Dibenzo(a,h)Anthracene	ND (0.177)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Dibenzofuran	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Diethylphthalate	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Dimethylphthalate	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Di-n-butylphthalate	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Di-n-octylphthalate	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Fluoranthene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Fluorene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Hexachlorobenzene	ND (0.177)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Hexachlorobutadiene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Hexachlorocyclopentadiene	ND (1.77)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Hexachloroethane	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Indeno(1,2,3-cd)Pyrene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Isophorone	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Naphthalene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 11
Date Sampled: 11/25/19 15:00
Percent Solids: 96
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-11
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/25/19 20:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
N-Nitrosodimethylamine	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
N-Nitroso-Di-n-Propylamine	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
N-nitrosodiphenylamine	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Pentachlorophenol	ND (1.77)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Phenanthrene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Phenol	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Pyrene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Pyridine	ND (1.77)		8270D		1	11/26/19 22:01	C9K0420	CK92554

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*66 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*77 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*77 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*66 %*		*30-130*
Surrogate: 2-Fluorophenol	*77 %*		*30-130*
Surrogate: Nitrobenzene-d5	*70 %*		*30-130*
Surrogate: Phenol-d6	*75 %*		*30-130*
Surrogate: p-Terphenyl-d14	*79 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 12
Date Sampled: 11/25/19 15:05
Percent Solids: 95

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-12
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.21)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Arsenic	ND (2.11)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Beryllium	**0.28** (0.09)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Cadmium	ND (0.42)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Chromium	**9.27** (0.84)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Copper	**13.5** (2.11)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Lead	**7.60** (4.21)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Mercury	ND (0.018)		7471B		1	MKS	12/02/19 12:38	1.16	40	CK92650
Nickel	**8.62** (2.11)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Selenium	ND (4.21)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Silver	ND (0.42)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Thallium	ND (4.21)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Zinc	**33.0** (2.11)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 12
Date Sampled: 11/25/19 15:05
Percent Solids: 95
Initial Volume: 7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-12
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,1,1-Trichloroethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,1,2,2-Tetrachloroethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,1,2-Trichloroethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,1-Dichloroethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,1-Dichloroethene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,1-Dichloropropene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,2,3-Trichlorobenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,2,3-Trichloropropane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,2,4-Trichlorobenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,2,4-Trimethylbenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,2-Dibromo-3-Chloropropane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,2-Dibromoethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,2-Dichlorobenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,2-Dichloroethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,2-Dichloropropane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,3,5-Trimethylbenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,3-Dichlorobenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,3-Dichloropropane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,4-Dichlorobenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,4-Dioxane	ND (0.0749)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1-Chlorohexane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
2,2-Dichloropropane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
2-Butanone	ND (0.0375)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
2-Chlorotoluene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
2-Hexanone	ND (0.0375)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
4-Chlorotoluene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
4-Isopropyltoluene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
4-Methyl-2-Pentanone	ND (0.0375)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Acetone	ND (0.0375)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Benzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Bromobenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 12
Date Sampled: 11/25/19 15:05
Percent Solids: 95
Initial Volume: 7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-12
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Bromodichloromethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Bromoform	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Bromomethane	ND (0.0075)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Carbon Disulfide	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Carbon Tetrachloride	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Chlorobenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Chloroethane	ND (0.0075)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Chloroform	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Chloromethane	ND (0.0075)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
cis-1,2-Dichloroethene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
cis-1,3-Dichloropropene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Dibromochloromethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Dibromomethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Dichlorodifluoromethane	ND (0.0075)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Diethyl Ether	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Di-isopropyl ether	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Ethyl tertiary-butyl ether	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Ethylbenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Hexachlorobutadiene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Isopropylbenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Methyl tert-Butyl Ether	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Methylene Chloride	ND (0.0187)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Naphthalene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
n-Butylbenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
n-Propylbenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
sec-Butylbenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Styrene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
tert-Butylbenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Tertiary-amyl methyl ether	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Tetrachloroethene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Tetrahydrofuran	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 12
Date Sampled: 11/25/19 15:05
Percent Solids: 95
Initial Volume: 7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-12
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
trans-1,2-Dichloroethene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
trans-1,3-Dichloropropene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Trichloroethene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Trichlorofluoromethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Vinyl Acetate	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Vinyl Chloride	ND (0.0075)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Xylene O	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Xylene P,M	ND (0.0075)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Xylenes (Total)	ND (0.00749)		8260B Low		1	11/26/19 16:16		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*96 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*99 %*		*70-130*
Surrogate: Dibromofluoromethane	*94 %*		*70-130*
Surrogate: Toluene-d8	*101 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 12
Date Sampled: 11/25/19 15:05
Percent Solids: 95
Initial Volume: 20.5
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-12
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 11/25/19 18:02

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (38.4)		8100M		1	11/27/19 0:06	C9K0423	CK92553

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*81 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 12
Date Sampled: 11/25/19 15:05
Percent Solids: 95
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-12
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/25/19 20:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
1,2,4-Trichlorobenzene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
1,2-Dichlorobenzene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
1,3-Dichlorobenzene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
1,4-Dichlorobenzene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2,3,4,6-Tetrachlorophenol	ND (1.72)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2,4,5-Trichlorophenol	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2,4,6-Trichlorophenol	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2,4-Dichlorophenol	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2,4-Dimethylphenol	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2,4-Dinitrophenol	ND (1.72)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2,4-Dinitrotoluene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2,6-Dinitrotoluene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2-Chloronaphthalene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2-Chlorophenol	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2-Methylnaphthalene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2-Methylphenol	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2-Nitroaniline	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2-Nitrophenol	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
3,3´-Dichlorobenzidine	ND (0.686)		8270D		1	11/26/19 22:29	C9K0420	CK92554
3+4-Methylphenol	ND (0.686)		8270D		1	11/26/19 22:29	C9K0420	CK92554
3-Nitroaniline	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
4,6-Dinitro-2-Methylphenol	ND (1.72)		8270D		1	11/26/19 22:29	C9K0420	CK92554
4-Bromophenyl-phenylether	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
4-Chloro-3-Methylphenol	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
4-Chloroaniline	ND (0.686)		8270D		1	11/26/19 22:29	C9K0420	CK92554
4-Chloro-phenyl-phenyl ether	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
4-Nitroaniline	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
4-Nitrophenol	ND (1.72)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Acenaphthene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Acenaphthylene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Acetophenone	ND (0.686)		8270D		1	11/26/19 22:29	C9K0420	CK92554

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 12
Date Sampled: 11/25/19 15:05
Percent Solids: 95
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-12
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/25/19 20:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.686)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Anthracene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Azobenzene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Benzo(a)anthracene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Benzo(a)pyrene	ND (0.172)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Benzo(b)fluoranthene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Benzo(g,h,i)perylene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Benzo(k)fluoranthene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Benzoic Acid	ND (1.72)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Benzyl Alcohol	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
bis(2-Chloroethoxy)methane	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
bis(2-Chloroethyl)ether	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
bis(2-chloroisopropyl)Ether	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
bis(2-Ethylhexyl)phthalate	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Butylbenzylphthalate	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Carbazole	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Chrysene	ND (0.172)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Dibenzo(a,h)Anthracene	ND (0.172)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Dibenzofuran	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Diethylphthalate	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Dimethylphthalate	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Di-n-butylphthalate	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Di-n-octylphthalate	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Fluoranthene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Fluorene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Hexachlorobenzene	ND (0.172)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Hexachlorobutadiene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Hexachlorocyclopentadiene	ND (1.72)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Hexachloroethane	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Indeno(1,2,3-cd)Pyrene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Isophorone	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Naphthalene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 12
Date Sampled: 11/25/19 15:05
Percent Solids: 95
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-12
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/25/19 20:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
N-Nitrosodimethylamine	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
N-Nitroso-Di-n-Propylamine	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
N-nitrosodiphenylamine	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Pentachlorophenol	ND (1.72)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Phenanthrene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Phenol	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Pyrene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Pyridine	ND (1.72)		8270D		1	11/26/19 22:29	C9K0420	CK92554

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*73 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*87 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*84 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*72 %*		*30-130*
Surrogate: 2-Fluorophenol	*84 %*		*30-130*
Surrogate: Nitrobenzene-d5	*75 %*		*30-130*
Surrogate: Phenol-d6	*82 %*		*30-130*
Surrogate: p-Terphenyl-d14	*88 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Total Metals

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch CK92649 - 3050B										
Blank										
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	5.00	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	39.4	12.2	mg/kg wet	51.30		77	40-160			
Arsenic	186	6.10	mg/kg wet	202.0		92	80-120			
Beryllium	48.1	0.27	mg/kg wet	52.10		92	80-120			
Cadmium	136	1.22	mg/kg wet	149.0		92	80-120			
Chromium	168	2.44	mg/kg wet	182.0		92	80-120			
Copper	205	6.10	mg/kg wet	225.0		91	80-120			
Lead	312	12.2	mg/kg wet	333.0		94	80-120			
Nickel	154	6.10	mg/kg wet	167.0		92	80-120			
Selenium	153	12.2	mg/kg wet	169.0		91	80-120			
Silver	44.2	1.22	mg/kg wet	48.90		90	80-120			
Thallium	66.7	12.2	mg/kg wet	82.30		81	80-120			
Zinc	409	6.10	mg/kg wet	459.0		89	80-120			
LCS Dup										
Antimony	43.1	15.6	mg/kg wet	51.30		84	40-160	9	20	
Arsenic	196	7.81	mg/kg wet	202.0		97	80-120	5	20	
Beryllium	49.4	0.34	mg/kg wet	52.10		95	80-120	3	20	
Cadmium	133	1.56	mg/kg wet	149.0		89	80-120	2	20	
Chromium	174	3.12	mg/kg wet	182.0		96	80-120	3	20	
Copper	222	7.81	mg/kg wet	225.0		99	80-120	8	20	
Lead	317	15.6	mg/kg wet	333.0		95	80-120	2	20	
Nickel	162	7.81	mg/kg wet	167.0		97	80-120	5	20	
Selenium	161	15.6	mg/kg wet	169.0		96	80-120	5	20	
Silver	45.6	1.56	mg/kg wet	48.90		93	80-120	3	20	
Thallium	69.1	15.6	mg/kg wet	82.30		84	80-120	3	20	
Zinc	429	7.81	mg/kg wet	459.0		94	80-120	5	20	
Batch CK92650 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	8.40	0.629	mg/kg wet	7.760		108	80-120			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CK92650 - 7471B										
LCS Dup										
Mercury	8.21	0.477	mg/kg wet	7.760		106	80-120	2	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch CK92626 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CK92626 - 5035										
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0501*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0489*		mg/kg wet	*0.05000*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0474*		mg/kg wet	*0.05000*		*95*	*70-130*			
Surrogate: Toluene-d8	*0.0492*		mg/kg wet	*0.05000*		*98*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0483	0.0050	mg/kg wet	0.05000		97	70-130			
1,1,1-Trichloroethane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
1,1,2,2-Tetrachloroethane	0.0453	0.0050	mg/kg wet	0.05000		91	70-130			
1,1,2-Trichloroethane	0.0447	0.0050	mg/kg wet	0.05000		89	70-130			
1,1-Dichloroethane	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
1,1-Dichloroethene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CK92626 - 5035										
1,1-Dichloropropene	0.0521	0.0050	mg/kg wet	0.05000		104	70-130			
1,2,3-Trichlorobenzene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
1,2,3-Trichloropropane	0.0422	0.0050	mg/kg wet	0.05000		84	70-130			
1,2,4-Trichlorobenzene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
1,2,4-Trimethylbenzene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
1,2-Dibromo-3-Chloropropane	0.0415	0.0050	mg/kg wet	0.05000		83	70-130			
1,2-Dibromoethane	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
1,2-Dichlorobenzene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130			
1,2-Dichloroethane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
1,2-Dichloropropane	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
1,3,5-Trimethylbenzene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130			
1,3-Dichlorobenzene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
1,3-Dichloropropane	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
1,4-Dichlorobenzene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
1,4-Dioxane	0.773	0.100	mg/kg wet	1.000		77	70-130			
1-Chlorohexane	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
2,2-Dichloropropane	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
2-Butanone	0.239	0.0500	mg/kg wet	0.2500		96	70-130			
2-Chlorotoluene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
2-Hexanone	0.224	0.0500	mg/kg wet	0.2500		90	70-130			
4-Chlorotoluene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
4-Isopropyltoluene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
4-Methyl-2-Pentanone	0.232	0.0500	mg/kg wet	0.2500		93	70-130			
Acetone	0.222	0.0500	mg/kg wet	0.2500		89	70-130			
Benzene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
Bromobenzene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
Bromochloromethane	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
Bromodichloromethane	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
Bromoform	0.0407	0.0050	mg/kg wet	0.05000		81	70-130			
Bromomethane	0.0426	0.0100	mg/kg wet	0.05000		85	70-130			
Carbon Disulfide	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
Carbon Tetrachloride	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
Chlorobenzene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
Chloroethane	0.0434	0.0100	mg/kg wet	0.05000		87	70-130			
Chloroform	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
Chloromethane	0.0440	0.0100	mg/kg wet	0.05000		88	70-130			
cis-1,2-Dichloroethene	0.0483	0.0050	mg/kg wet	0.05000		97	70-130			
cis-1,3-Dichloropropene	0.0456	0.0050	mg/kg wet	0.05000		91	70-130			
Dibromochloromethane	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
Dibromomethane	0.0471	0.0050	mg/kg wet	0.05000		94	70-130			
Dichlorodifluoromethane	0.0449	0.0100	mg/kg wet	0.05000		90	70-130			
Diethyl Ether	0.0464	0.0050	mg/kg wet	0.05000		93	70-130			
Di-isopropyl ether	0.0486	0.0050	mg/kg wet	0.05000		97	70-130			
Ethyl tertiary-butyl ether	0.0428	0.0050	mg/kg wet	0.05000		86	70-130			
Ethylbenzene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CK92626 - 5035										
Hexachlorobutadiene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130			
Isopropylbenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
Methyl tert-Butyl Ether	0.0458	0.0050	mg/kg wet	0.05000		92	70-130			
Methylene Chloride	0.0521	0.0250	mg/kg wet	0.05000		104	70-130			
Naphthalene	0.0429	0.0050	mg/kg wet	0.05000		86	70-130			
n-Butylbenzene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
n-Propylbenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130			
sec-Butylbenzene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			
Styrene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
tert-Butylbenzene	0.0521	0.0050	mg/kg wet	0.05000		104	70-130			
Tertiary-amyl methyl ether	0.0438	0.0050	mg/kg wet	0.05000		88	70-130			
Tetrachloroethene	0.0548	0.0050	mg/kg wet	0.05000		110	70-130			
Tetrahydrofuran	0.0395	0.0050	mg/kg wet	0.05000		79	70-130			
Toluene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
trans-1,2-Dichloroethene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
trans-1,3-Dichloropropene	0.0443	0.0050	mg/kg wet	0.05000		89	70-130			
Trichloroethene	0.0510	0.0050	mg/kg wet	0.05000		102	70-130			
Trichlorofluoromethane	0.0563	0.0050	mg/kg wet	0.05000		113	70-130			
Vinyl Acetate	0.0389	0.0050	mg/kg wet	0.05000		78	70-130			
Vinyl Chloride	0.0450	0.0100	mg/kg wet	0.05000		90	70-130			
Xylene O	0.0521	0.0050	mg/kg wet	0.05000		104	70-130			
Xylene P,M	0.105	0.0100	mg/kg wet	0.1000		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0487*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0511*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0481*		mg/kg wet	*0.05000*		*96*	*70-130*			
Surrogate: Toluene-d8	*0.0515*		mg/kg wet	*0.05000*		*103*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	3	25	
1,1,1-Trichloroethane	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	5	25	
1,1,2,2-Tetrachloroethane	0.0457	0.0050	mg/kg wet	0.05000		91	70-130	0.7	25	
1,1,2-Trichloroethane	0.0456	0.0050	mg/kg wet	0.05000		91	70-130	2	25	
1,1-Dichloroethane	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	6	25	
1,1-Dichloroethene	0.0578	0.0050	mg/kg wet	0.05000		116	70-130	7	25	
1,1-Dichloropropene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	6	25	
1,2,3-Trichlorobenzene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	3	25	
1,2,3-Trichloropropane	0.0427	0.0050	mg/kg wet	0.05000		85	70-130	1	25	
1,2,4-Trichlorobenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	3	25	
1,2,4-Trimethylbenzene	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	7	25	
1,2-Dibromo-3-Chloropropane	0.0413	0.0050	mg/kg wet	0.05000		83	70-130	0.4	25	
1,2-Dibromoethane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130	0.7	25	
1,2-Dichlorobenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	5	25	
1,2-Dichloroethane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130	4	25	
1,2-Dichloropropane	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	4	25	
1,3,5-Trimethylbenzene	0.0558	0.0050	mg/kg wet	0.05000		112	70-130	6	25	
1,3-Dichlorobenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	6	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CK92626 - 5035										
1,3-Dichloropropane	0.0496	0.0050	mg/kg wet	0.05000		99	70-130	0.4	25	
1,4-Dichlorobenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	5	25	
1,4-Dioxane	0.795	0.100	mg/kg wet	1.000		79	70-130	3	20	
1-Chlorohexane	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	3	25	
2,2-Dichloropropane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	6	25	
2-Butanone	0.246	0.0500	mg/kg wet	0.2500		98	70-130	3	25	
2-Chlorotoluene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	5	25	
2-Hexanone	0.217	0.0500	mg/kg wet	0.2500		87	70-130	3	25	
4-Chlorotoluene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	7	25	
4-Isopropyltoluene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	8	25	
4-Methyl-2-Pentanone	0.227	0.0500	mg/kg wet	0.2500		91	70-130	2	25	
Acetone	0.222	0.0500	mg/kg wet	0.2500		89	70-130	0.3	25	
Benzene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	4	25	
Bromobenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	6	25	
Bromochloromethane	0.0477	0.0050	mg/kg wet	0.05000		95	70-130	4	25	
Bromodichloromethane	0.0494	0.0050	mg/kg wet	0.05000		99	70-130	4	25	
Bromoform	0.0401	0.0050	mg/kg wet	0.05000		80	70-130	1	25	
Bromomethane	0.0437	0.0100	mg/kg wet	0.05000		87	70-130	3	25	
Carbon Disulfide	0.0528	0.0050	mg/kg wet	0.05000		106	70-130	5	25	
Carbon Tetrachloride	0.0566	0.0050	mg/kg wet	0.05000		113	70-130	5	25	
Chlorobenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	1	25	
Chloroethane	0.0482	0.0100	mg/kg wet	0.05000		96	70-130	10	25	
Chloroform	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	5	25	
Chloromethane	0.0462	0.0100	mg/kg wet	0.05000		92	70-130	5	25	
cis-1,2-Dichloroethene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	5	25	
cis-1,3-Dichloropropene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130	3	25	
Dibromochloromethane	0.0477	0.0050	mg/kg wet	0.05000		95	70-130	0.8	25	
Dibromomethane	0.0475	0.0050	mg/kg wet	0.05000		95	70-130	0.9	25	
Dichlorodifluoromethane	0.0481	0.0100	mg/kg wet	0.05000		96	70-130	7	25	
Diethyl Ether	0.0473	0.0050	mg/kg wet	0.05000		95	70-130	2	25	
Di-isopropyl ether	0.0511	0.0050	mg/kg wet	0.05000		102	70-130	5	25	
Ethyl tertiary-butyl ether	0.0440	0.0050	mg/kg wet	0.05000		88	70-130	3	25	
Ethylbenzene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	1	25	
Hexachlorobutadiene	0.0585	0.0050	mg/kg wet	0.05000		117	70-130	9	25	
Isopropylbenzene	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	7	25	
Methyl tert-Butyl Ether	0.0470	0.0050	mg/kg wet	0.05000		94	70-130	2	25	
Methylene Chloride	0.0538	0.0250	mg/kg wet	0.05000		108	70-130	3	25	
Naphthalene	0.0439	0.0050	mg/kg wet	0.05000		88	70-130	2	25	
n-Butylbenzene	0.0566	0.0050	mg/kg wet	0.05000		113	70-130	7	25	
n-Propylbenzene	0.0560	0.0050	mg/kg wet	0.05000		112	70-130	7	25	
sec-Butylbenzene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130	7	25	
Styrene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130	0.08	25	
tert-Butylbenzene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	8	25	
Tertiary-amyl methyl ether	0.0444	0.0050	mg/kg wet	0.05000		89	70-130	1	25	
Tetrachloroethene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	3	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CK92626 - 5035										
Tetrahydrofuran	0.0402	0.0050	mg/kg wet	0.05000		80	70-130	2	25	
Toluene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	4	25	
trans-1,2-Dichloroethene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	6	25	
trans-1,3-Dichloropropene	0.0449	0.0050	mg/kg wet	0.05000		90	70-130	1	25	
Trichloroethene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	5	25	
Trichlorofluoromethane	0.0601	0.0050	mg/kg wet	0.05000		120	70-130	6	25	
Vinyl Acetate	0.0398	0.0050	mg/kg wet	0.05000		80	70-130	2	25	
Vinyl Chloride	0.0473	0.0100	mg/kg wet	0.05000		95	70-130	5	25	
Xylene O	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	0.6	25	
Xylene P,M	0.108	0.0100	mg/kg wet	0.1000		108	70-130	2	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0476*		mg/kg wet	*0.05000*		*95*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0493*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0477*		mg/kg wet	*0.05000*		*95*	*70-130*			
Surrogate: Toluene-d8	*0.0502*		mg/kg wet	*0.05000*		*100*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch CK92553 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*5.08*		mg/kg wet	*5.000*		*102*	*40-140*			
LCS										
Decane (C10)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Docosane (C22)	2.7	0.2	mg/kg wet	2.500		108	40-140			
Dodecane (C12)	2.3	0.2	mg/kg wet	2.500		93	40-140			
Eicosane (C20)	2.7	0.2	mg/kg wet	2.500		107	40-140			
Hexacosane (C26)	2.6	0.2	mg/kg wet	2.500		106	40-140			
Hexadecane (C16)	2.5	0.2	mg/kg wet	2.500		99	40-140			
Nonadecane (C19)	2.7	0.2	mg/kg wet	2.500		109	40-140			
Nonane (C9)	1.9	0.2	mg/kg wet	2.500		77	30-140			
Octacosane (C28)	2.6	0.2	mg/kg wet	2.500		105	40-140			
Octadecane (C18)	2.6	0.2	mg/kg wet	2.500		103	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CK92553 - 3546										
Tetracosane (C24)	2.7	0.2	mg/kg wet	2.500		107	40-140			
Tetradecane (C14)	2.4	0.2	mg/kg wet	2.500		97	40-140			
Total Petroleum Hydrocarbons	35.0	37.5	mg/kg wet	35.00		100	40-140			
Triacontane (C30)	2.6	0.2	mg/kg wet	2.500		105	40-140			
Surrogate: O-Terphenyl	*5.50*		mg/kg wet	*5.000*		*110*	*40-140*			
LCS Dup										
Decane (C10)	2.2	0.2	mg/kg wet	2.500		89	40-140	2	25	
Docosane (C22)	2.7	0.2	mg/kg wet	2.500		107	40-140	0.7	25	
Dodecane (C12)	2.4	0.2	mg/kg wet	2.500		95	40-140	2	25	
Eicosane (C20)	2.6	0.2	mg/kg wet	2.500		106	40-140	1	25	
Hexacosane (C26)	2.6	0.2	mg/kg wet	2.500		105	40-140	0.8	25	
Hexadecane (C16)	2.5	0.2	mg/kg wet	2.500		100	40-140	1	25	
Nonadecane (C19)	2.7	0.2	mg/kg wet	2.500		109	40-140	0.6	25	
Nonane (C9)	1.9	0.2	mg/kg wet	2.500		77	30-140	1	25	
Octacosane (C28)	2.6	0.2	mg/kg wet	2.500		105	40-140	0.8	25	
Octadecane (C18)	2.6	0.2	mg/kg wet	2.500		103	40-140	0.2	25	
Tetracosane (C24)	2.6	0.2	mg/kg wet	2.500		106	40-140	1	25	
Tetradecane (C14)	2.5	0.2	mg/kg wet	2.500		98	40-140	2	25	
Total Petroleum Hydrocarbons	35.1	37.5	mg/kg wet	35.00		100	40-140	0.07	25	
Triacontane (C30)	2.6	0.2	mg/kg wet	2.500		103	40-140	1	25	
Surrogate: O-Terphenyl	*5.42*		mg/kg wet	*5.000*		*108*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch CK92554 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CK92554 - 3546										
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CK92554 - 3546										
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.06*		mg/kg wet	*3.333*		*62*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.80*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.46*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.01*		mg/kg wet	*3.333*		*60*	*30-130*			
Surrogate: 2-Fluorophenol	*3.62*		mg/kg wet	*5.000*		*72*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.09*		mg/kg wet	*3.333*		*63*	*30-130*			
Surrogate: Phenol-d6	*3.38*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.11*		mg/kg wet	*3.333*		*93*	*30-130*			
LCS										
1,1-Biphenyl	2.29	0.333	mg/kg wet	3.333		69	40-140			
1,2,4-Trichlorobenzene	2.15	0.333	mg/kg wet	3.333		64	40-140			
1,2-Dichlorobenzene	2.09	0.333	mg/kg wet	3.333		63	40-140			
1,3-Dichlorobenzene	2.05	0.333	mg/kg wet	3.333		61	40-140			
1,4-Dichlorobenzene	2.03	0.333	mg/kg wet	3.333		61	40-140			
2,3,4,6-Tetrachlorophenol	2.57	1.67	mg/kg wet	3.333		77	30-130			
2,4,5-Trichlorophenol	2.60	0.333	mg/kg wet	3.333		78	30-130			
2,4,6-Trichlorophenol	2.43	0.333	mg/kg wet	3.333		73	30-130			
2,4-Dichlorophenol	2.44	0.333	mg/kg wet	3.333		73	30-130			
2,4-Dimethylphenol	2.29	0.333	mg/kg wet	3.333		69	30-130			
2,4-Dinitrophenol	2.57	1.67	mg/kg wet	3.333		77	30-130			
2,4-Dinitrotoluene	2.81	0.333	mg/kg wet	3.333		84	40-140			
2,6-Dinitrotoluene	2.64	0.333	mg/kg wet	3.333		79	40-140			
2-Chloronaphthalene	2.33	0.333	mg/kg wet	3.333		70	40-140			
2-Chlorophenol	2.32	0.333	mg/kg wet	3.333		70	30-130			
2-Methylnaphthalene	2.23	0.333	mg/kg wet	3.333		67	40-140			
2-Methylphenol	2.39	0.333	mg/kg wet	3.333		72	30-130			
2-Nitroaniline	2.82	0.333	mg/kg wet	3.333		85	40-140			
2-Nitrophenol	2.13	0.333	mg/kg wet	3.333		64	30-130			
3,3´-Dichlorobenzidine	2.14	0.667	mg/kg wet	3.333		64	40-140			
3+4-Methylphenol	4.99	0.667	mg/kg wet	6.667		75	30-130			
3-Nitroaniline	2.56	0.333	mg/kg wet	3.333		77	40-140			
4,6-Dinitro-2-Methylphenol	2.66	1.67	mg/kg wet	3.333		80	30-130			
4-Bromophenyl-phenylether	2.61	0.333	mg/kg wet	3.333		78	40-140			
4-Chloro-3-Methylphenol	2.70	0.333	mg/kg wet	3.333		81	30-130			
4-Chloroaniline	1.60	0.667	mg/kg wet	3.333		48	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CK92554 - 3546										
4-Chloro-phenyl-phenyl ether	2.60	0.333	mg/kg wet	3.333		78	40-140			
4-Nitroaniline	2.52	0.333	mg/kg wet	3.333		76	40-140			
4-Nitrophenol	2.63	1.67	mg/kg wet	3.333		79	30-130			
Acenaphthene	2.39	0.333	mg/kg wet	3.333		72	40-140			
Acenaphthylene	2.36	0.333	mg/kg wet	3.333		71	40-140			
Acetophenone	2.38	0.667	mg/kg wet	3.333		72	40-140			
Aniline	1.57	0.667	mg/kg wet	3.333		47	40-140			
Anthracene	2.75	0.333	mg/kg wet	3.333		83	40-140			
Azobenzene	2.96	0.333	mg/kg wet	3.333		89	40-140			
Benzo(a)anthracene	2.85	0.333	mg/kg wet	3.333		86	40-140			
Benzo(a)pyrene	2.72	0.167	mg/kg wet	3.333		82	40-140			
Benzo(b)fluoranthene	3.19	0.333	mg/kg wet	3.333		96	40-140			
Benzo(g,h,i)perylene	2.72	0.333	mg/kg wet	3.333		82	40-140			
Benzo(k)fluoranthene	2.69	0.333	mg/kg wet	3.333		81	40-140			
Benzoic Acid	2.19	1.67	mg/kg wet	3.333		66	40-140			
Benzyl Alcohol	1.60	0.333	mg/kg wet	3.333		48	40-140			
bis(2-Chloroethoxy)methane	2.31	0.333	mg/kg wet	3.333		69	40-140			
bis(2-Chloroethyl)ether	2.35	0.333	mg/kg wet	3.333		71	40-140			
bis(2-chloroisopropyl)Ether	2.15	0.333	mg/kg wet	3.333		64	40-140			
bis(2-Ethylhexyl)phthalate	3.13	0.333	mg/kg wet	3.333		94	40-140			
Butylbenzylphthalate	3.12	0.333	mg/kg wet	3.333		93	40-140			
Carbazole	2.79	0.333	mg/kg wet	3.333		84	40-140			
Chrysene	2.80	0.167	mg/kg wet	3.333		84	40-140			
Dibenzo(a,h)Anthracene	2.76	0.167	mg/kg wet	3.333		83	40-140			
Dibenzofuran	2.49	0.333	mg/kg wet	3.333		75	40-140			
Diethylphthalate	2.88	0.333	mg/kg wet	3.333		86	40-140			
Dimethylphthalate	2.74	0.333	mg/kg wet	3.333		82	40-140			
Di-n-butylphthalate	3.04	0.333	mg/kg wet	3.333		91	40-140			
Di-n-octylphthalate	3.31	0.333	mg/kg wet	3.333		99	40-140			
Fluoranthene	2.76	0.333	mg/kg wet	3.333		83	40-140			
Fluorene	2.68	0.333	mg/kg wet	3.333		80	40-140			
Hexachlorobenzene	2.57	0.167	mg/kg wet	3.333		77	40-140			
Hexachlorobutadiene	2.12	0.333	mg/kg wet	3.333		63	40-140			
Hexachlorocyclopentadiene	1.67	1.67	mg/kg wet	3.333		50	40-140			
Hexachloroethane	2.08	0.333	mg/kg wet	3.333		62	40-140			
Indeno(1,2,3-cd)Pyrene	2.76	0.333	mg/kg wet	3.333		83	40-140			
Isophorone	2.06	0.333	mg/kg wet	3.333		62	40-140			
Naphthalene	2.18	0.333	mg/kg wet	3.333		65	40-140			
Nitrobenzene	2.20	0.333	mg/kg wet	3.333		66	40-140			
N-Nitrosodimethylamine	2.19	0.333	mg/kg wet	3.333		66	40-140			
N-Nitroso-Di-n-Propylamine	2.36	0.333	mg/kg wet	3.333		71	40-140			
N-nitrosodiphenylamine	2.74	0.333	mg/kg wet	3.333		82	40-140			
Pentachlorophenol	2.76	1.67	mg/kg wet	3.333		83	30-130			
Phenanthrene	2.68	0.333	mg/kg wet	3.333		80	40-140			
Phenol	2.26	0.333	mg/kg wet	3.333		68	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CK92554 - 3546										
Pyrene	2.93	0.333	mg/kg wet	3.333		88	40-140			
Pyridine	1.78	1.67	mg/kg wet	3.333		53	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.08*		mg/kg wet	*3.333*		*62*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.26*		mg/kg wet	*5.000*		*85*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.77*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.40*		mg/kg wet	*3.333*		*72*	*30-130*			
Surrogate: 2-Fluorophenol	*3.81*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.45*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: Phenol-d6	*3.74*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.02*		mg/kg wet	*3.333*		*91*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.33	0.333	mg/kg wet	3.333		70	40-140	2	30	
1,2,4-Trichlorobenzene	2.22	0.333	mg/kg wet	3.333		66	40-140	3	30	
1,2-Dichlorobenzene	2.24	0.333	mg/kg wet	3.333		67	40-140	7	30	
1,3-Dichlorobenzene	2.23	0.333	mg/kg wet	3.333		67	40-140	8	30	
1,4-Dichlorobenzene	2.18	0.333	mg/kg wet	3.333		65	40-140	7	30	
2,3,4,6-Tetrachlorophenol	2.61	1.67	mg/kg wet	3.333		78	30-130	1	30	
2,4,5-Trichlorophenol	2.64	0.333	mg/kg wet	3.333		79	30-130	2	30	
2,4,6-Trichlorophenol	2.47	0.333	mg/kg wet	3.333		74	30-130	2	30	
2,4-Dichlorophenol	2.45	0.333	mg/kg wet	3.333		74	30-130	0.7	30	
2,4-Dimethylphenol	2.40	0.333	mg/kg wet	3.333		72	30-130	5	30	
2,4-Dinitrophenol	2.62	1.67	mg/kg wet	3.333		79	30-130	2	30	
2,4-Dinitrotoluene	2.86	0.333	mg/kg wet	3.333		86	40-140	2	30	
2,6-Dinitrotoluene	2.68	0.333	mg/kg wet	3.333		80	40-140	1	30	
2-Chloronaphthalene	2.36	0.333	mg/kg wet	3.333		71	40-140	1	30	
2-Chlorophenol	2.42	0.333	mg/kg wet	3.333		73	30-130	4	30	
2-Methylnaphthalene	2.30	0.333	mg/kg wet	3.333		69	40-140	3	30	
2-Methylphenol	2.45	0.333	mg/kg wet	3.333		73	30-130	2	30	
2-Nitroaniline	2.87	0.333	mg/kg wet	3.333		86	40-140	2	30	
2-Nitrophenol	2.19	0.333	mg/kg wet	3.333		66	30-130	2	30	
3,3´-Dichlorobenzidine	2.17	0.667	mg/kg wet	3.333		65	40-140	1	30	
3+4-Methylphenol	5.13	0.667	mg/kg wet	6.667		77	30-130	3	30	
3-Nitroaniline	2.55	0.333	mg/kg wet	3.333		77	40-140	0.3	30	
4,6-Dinitro-2-Methylphenol	2.78	1.67	mg/kg wet	3.333		83	30-130	4	30	
4-Bromophenyl-phenylether	2.65	0.333	mg/kg wet	3.333		80	40-140	2	30	
4-Chloro-3-Methylphenol	2.74	0.333	mg/kg wet	3.333		82	30-130	2	30	
4-Chloroaniline	1.53	0.667	mg/kg wet	3.333		46	40-140	5	30	
4-Chloro-phenyl-phenyl ether	2.63	0.333	mg/kg wet	3.333		79	40-140	1	30	
4-Nitroaniline	2.54	0.333	mg/kg wet	3.333		76	40-140	1	30	
4-Nitrophenol	2.71	1.67	mg/kg wet	3.333		81	30-130	3	30	
Acenaphthene	2.42	0.333	mg/kg wet	3.333		73	40-140	2	30	
Acenaphthylene	2.42	0.333	mg/kg wet	3.333		72	40-140	2	30	
Acetophenone	2.46	0.667	mg/kg wet	3.333		74	40-140	3	30	
Aniline	1.65	0.667	mg/kg wet	3.333		49	40-140	5	30	
Anthracene	2.75	0.333	mg/kg wet	3.333		83	40-140	0.04	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CK92554 - 3546										
Azobenzene	3.01	0.333	mg/kg wet	3.333		90	40-140	2	30	
Benzo(a)anthracene	2.93	0.333	mg/kg wet	3.333		88	40-140	3	30	
Benzo(a)pyrene	2.78	0.167	mg/kg wet	3.333		83	40-140	2	30	
Benzo(b)fluoranthene	2.95	0.333	mg/kg wet	3.333		89	40-140	8	30	
Benzo(g,h,i)perylene	2.77	0.333	mg/kg wet	3.333		83	40-140	2	30	
Benzo(k)fluoranthene	3.00	0.333	mg/kg wet	3.333		90	40-140	11	30	
Benzoic Acid	2.46	1.67	mg/kg wet	3.333		74	40-140	12	30	
Benzyl Alcohol	1.60	0.333	mg/kg wet	3.333		48	40-140	0.1	30	
bis(2-Chloroethoxy)methane	2.33	0.333	mg/kg wet	3.333		70	40-140	1	30	
bis(2-Chloroethyl)ether	2.51	0.333	mg/kg wet	3.333		75	40-140	6	30	
bis(2-chloroisopropyl)Ether	2.28	0.333	mg/kg wet	3.333		68	40-140	6	30	
bis(2-Ethylhexyl)phthalate	3.24	0.333	mg/kg wet	3.333		97	40-140	3	30	
Butylbenzylphthalate	3.25	0.333	mg/kg wet	3.333		97	40-140	4	30	
Carbazole	2.82	0.333	mg/kg wet	3.333		85	40-140	1	30	
Chrysene	2.93	0.167	mg/kg wet	3.333		88	40-140	4	30	
Dibenzo(a,h)Anthracene	2.83	0.167	mg/kg wet	3.333		85	40-140	2	30	
Dibenzofuran	2.52	0.333	mg/kg wet	3.333		76	40-140	1	30	
Diethylphthalate	2.92	0.333	mg/kg wet	3.333		88	40-140	2	30	
Dimethylphthalate	2.74	0.333	mg/kg wet	3.333		82	40-140	0.1	30	
Di-n-butylphthalate	3.06	0.333	mg/kg wet	3.333		92	40-140	0.8	30	
Di-n-octylphthalate	3.36	0.333	mg/kg wet	3.333		101	40-140	1	30	
Fluoranthene	2.78	0.333	mg/kg wet	3.333		83	40-140	0.9	30	
Fluorene	2.72	0.333	mg/kg wet	3.333		81	40-140	2	30	
Hexachlorobenzene	2.64	0.167	mg/kg wet	3.333		79	40-140	2	30	
Hexachlorobutadiene	2.17	0.333	mg/kg wet	3.333		65	40-140	2	30	
Hexachlorocyclopentadiene	1.71	1.67	mg/kg wet	3.333		51	40-140	2	30	
Hexachloroethane	2.26	0.333	mg/kg wet	3.333		68	40-140	8	30	
Indeno(1,2,3-cd)Pyrene	2.83	0.333	mg/kg wet	3.333		85	40-140	2	30	
Isophorone	2.11	0.333	mg/kg wet	3.333		63	40-140	3	30	
Naphthalene	2.23	0.333	mg/kg wet	3.333		67	40-140	2	30	
Nitrobenzene	2.39	0.333	mg/kg wet	3.333		72	40-140	8	30	
N-Nitrosodimethylamine	2.41	0.333	mg/kg wet	3.333		72	40-140	9	30	
N-Nitroso-Di-n-Propylamine	2.46	0.333	mg/kg wet	3.333		74	40-140	4	30	
N-nitrosodiphenylamine	2.82	0.333	mg/kg wet	3.333		85	40-140	3	30	
Pentachlorophenol	2.84	1.67	mg/kg wet	3.333		85	30-130	3	30	
Phenanthrene	2.76	0.333	mg/kg wet	3.333		83	40-140	3	30	
Phenol	2.37	0.333	mg/kg wet	3.333		71	30-130	5	30	
Pyrene	3.05	0.333	mg/kg wet	3.333		91	40-140	4	30	
Pyridine	2.09	1.67	mg/kg wet	3.333		63	40-140	16	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.19*		mg/kg wet	*3.333*		*66*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.12*		mg/kg wet	*5.000*		*82*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.81*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.37*		mg/kg wet	*3.333*		*71*	*30-130*			
Surrogate: 2-Fluorophenol	*3.90*		mg/kg wet	*5.000*		*78*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.46*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: Phenol-d6	*3.72*		mg/kg wet	*5.000*		*74*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CK92554 - 3546										
Surrogate: p-Terphenyl-d14	*3.03*		mg/kg wet	*3.333*		*91*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project ESS Laboratory Work Order: 19K0808

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
D	Diluted.
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/HDM

Shipped/Delivered Via: Client

ESS Project ID: 19K0808
Date Received: 11/25/2019
Project Due Date: 12/4/2019
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 0.9 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / (NA)
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? Yes / (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA

13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 11/25/19 Time: 1931 By: A

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / (No)
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	416286	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
02	416285	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
03	416284	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
04	416283	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
05	416282	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
06	416281	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
07	416280	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
08	416279	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
09	416278	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
10	416270	Yes	NA	Yes	VOA Vial - Other	Other	
10	416271	Yes	NA	Yes	VOA Vial - Other	Other	
10	416274	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
10	416277	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
11	416268	Yes	NA	Yes	VOA Vial - Other	Other	
11	416269	Yes	NA	Yes	VOA Vial - Other	Other	
11	416273	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
11	416276	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
12	416266	Yes	NA	Yes	VOA Vial - Other	Other	
12	416267	Yes	NA	Yes	VOA Vial - Other	Other	
12	416272	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
12	416275	Yes	NA	Yes	8 oz. Jar - Unpres	NP	

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/HDM

ESS Project ID: 19K0808
Date Received: 11/25/2019

2nd Review

Initials

Were all containers scanned into storage/lab?	Yes / No
Are barcode labels on correct containers?	Yes / No / NA
Are all Flashpoint stickers attached/container ID # circled?	Yes / No / NA
Are all Hex Chrome stickers attached?	Yes / No / NA
Are all QC stickers attached?	Yes / No / NA
Are VOA stickers attached if bubbles noted?	Yes / No / NA

Completed By:		Date & Time:	11/25/19 1825
Reviewed By:		Date & Time:	11/25/19 1935
Delivered By:			11/25/19 1935

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 19K0808

Turn Time	5	Days
Regulatory State	RI	

Reporting Limits

Is this project for any of the following?: ○ CT RCP ○ MA MCP ○ RGP

Electonic Deliverables ☐ Data Checker ☒ Excel ☒ Other (Please Specify →) PDF

Company Name	Project #	Project Name
GZA GeoEnvironmental, Inc.	33554.04	NGRID Liquefication Project

Contact Person	Address	
Sophia Narkiewicz	188 Valley Street, Suite 300	

City	State	Zip Code	PO #
Providence	RI	02909	—

Telephone Number	FAX Number	Email Address
401-427-2737	—	Sophia.Narkiewicz@gza.com

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis: Total Arsenic	VOC via 8260B	SVOC* via 8270D	PP13 Metals**	TPH via 8100M
1	11/25/19	1410	Composite	Soil	Keating - 1.5-inch dense grade - pile B Sample 1	X				
2	11/25/19	1415	composite	Soil	Keating - 1.5-inch dense grade - pile B Sample 2	X				
3	11/25/19	1420	Composite	Soil	Keating - 1.5-inch dense grade - pile B Sample 3	X				
4	11/25/19	1425	composite	Soil	Keating - 1.5-inch dense grade - pile B Sample 4	X				
5	11/25/19	1430	Composite	Soil	Keating - 1.5-inch dense grade - pile B Sample 5	X				
6	11/25/19	1435	composite	Soil	Keating - 1.5-inch dense grade - pile B Sample 6	X				
7	11/25/19	1440	Composite	Soil	Keating - 1.5-inch dense grade - pile B Sample 7	X				
8	11/25/19	1445	composite	Soil	Keating - 1.5-inch dense grade - pile B Sample 8	X				
9	11/25/19	1450	Composite	Soil	Keating - 1.5-inch dense grade - pile B Sample 9	X				
10	11/25/19	1455	Composite	Soil	Keating - 1.5-inch dense grade - pile B Sample 10		X	X	X	X
Container Type:	AC-Air Cassette	AG-Amber Glass	B-BOD Bottle	C-Cubitainer	J-Jar	O-Other	P-Poly	S-Sterile	V-Vial	AG	V	←AG→				
Container Volume:	1-100 mL	2-2.5 gal	3-250 mL	4-300 mL	5-500 mL	6-1L	7-VOA	8-2 oz	9-4 oz	10-8 oz	11-Other*	9	7	←10→				
Preservation Code:	1-Non Preserved	2-HCl	3-H2SO4	4-HNO3	5-NaOH	6-Methanol	7-Na2S2O3	8-ZnAce, NaOH	9-NH4Cl	10-DI H2O	11-Other*	1	2	←1→				
											Number of Containers per Sample:	1	3	←1→				

Laboratory Use Only

Cooler Present: Y ○ Drop Off
Seals Intact: NA ○ Pickup
Cooler Temperature: 0.4 °C

Sampled by: David Thibault

Comments: Please specify "Other" preservative and containers types in this space

* Please run full SVOC list

** Run via Methods 6010 and 7471A

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
David Thibault 11/25/19 16:24	11/25/19 1623		
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 19K0808

Turn Time	5	Days	
Regulatory State	RI		

Is this project for any of the following?: ○ CT RCP ○ MA MCP ○ RGP

Reporting Limits

Electonic Deliverables: ☐ Data Checker ☒ Excel ☒ Other (Please Specify →) PDF

Company Name	Project #	Project Name
GZA GeoEnvironmental, Inc.	33554.04	NGRID Liquefication Project

Contact Person	Address
Sophia Narkiewicz	188 Valley St, Suite 300

City	State	Zip Code	PO #
Providence	RI	02909	

Telephone Number	FAX Number	Email Address
401-427-2737		Sophia.narkiew.22@gza.com

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis: VOC via 8260B	SVOC* via 8270D	PP13 Metals**	TPH via 8100M
11	11/25/19	1500	Composite	Soil	Keating-1.5-inch dense grade - pile B Sample 11	X	X	X	X
12	11/25/19	1505	composite	Soil	Keating-1.5-inch dense grade -pile B Sample 12	X	X	X	X

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial — V ← AG →

Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other* — 7 ← 10 →

Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other* — 2 ← 1 →

Number of Containers per Sample: 3 ← 1 →

Laboratory Use Only

Cooler Present: ✓
Seals Intact: NA ○ Drop Off ○ Pickup
Cooler Temperature: 0.1 °C

Sampled by :

Comments: Please specify "Other" preservative and containers types in this space

* Please run full SVOC list

** Run via methods 6010 and 7471A

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
11/25/19 16:24	11/25/19 1623		
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

CERTIFICATE OF ANALYSIS

Sophia Narkiewicz
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: 642 Allens Ave (03.0033554.04)
ESS Laboratory Work Order Number: 20D0445

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 3:47 pm, Apr 24, 2020

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

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Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

SAMPLE RECEIPT

The following samples were received on April 16, 2020 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on April 16, 2020 at 1307.

Lab Number	Sample Name	Matrix	Analysis
20D0445-01	Pile C S-1 1.5in Dense Grade	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
20D0445-02	Pile C S-2 1.5in Dense Grade	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
20D0445-03	Pile C As-1 1.5in Dense Grade	Soil	6010C
20D0445-04	Pile C As-2 1.5in Dense Grade	Soil	6010C
20D0445-05	Pile C As-3 1.5in Dense Grade	Soil	6010C
20D0445-06	Pile C As-4 1.5in Dense Grade	Soil	6010C
20D0445-07	Pile C As-5 1.5in Dense Grade	Soil	6010C
20D0445-08	Pile C As-6 1.5in Dense Grade	Soil	6010C

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Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 20D0445

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

D0D0339-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Bromomethane (82% @ 30%)

DD01726-BS1 **Blank Spike recovery is above upper control limit (B+).**
Bromomethane (195% @ 70-130%)

DD01726-BSD1 **Blank Spike recovery is above upper control limit (B+).**
Bromomethane (199% @ 70-130%)

8270D Semi-Volatile Organic Compounds

D0D0266-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (98% @ 80-120%), 4,6-Dinitro-2-Methylphenol (114% @ 80-120%), Benzoic Acid (97% @ 80-120%), Pentachlorophenol (101% @ 80-120%)

D0D0266-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Pyridine (25% @ 20%)

D0D0266-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Hexachlorocyclopentadiene (24% @ 20%)

D0D0351-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (94% @ 80-120%), 4,6-Dinitro-2-Methylphenol (107% @ 80-120%), Benzoic Acid (94% @ 80-120%), Pentachlorophenol (97% @ 80-120%)

D0D0351-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Hexachlorocyclopentadiene (28% @ 20%)

DD01519-BS1 **Blank Spike recovery is below lower control limit (B-).**
4-Chloroaniline (39% @ 40-140%)

DD01519-BSD1 **Blank Spike recovery is below lower control limit (B-).**
4-Chloroaniline (37% @ 40-140%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-1 1.5in Dense Grade
Date Sampled: 04/16/20 09:30
Percent Solids: 96

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.27)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Arsenic	ND (2.14)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Beryllium	**0.32** (0.09)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Cadmium	ND (0.43)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Chromium	**11.1** (0.85)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Copper	**44.1** (2.14)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Lead	**8.01** (4.27)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Mercury	ND (0.033)		7471B		1	MKS	04/20/20 11:44	0.63	40	DD01729
Nickel	**9.04** (2.14)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Selenium	ND (4.27)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Silver	ND (0.43)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Thallium	ND (4.27)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Zinc	**33.1** (2.14)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-1 1.5in Dense Grade
Date Sampled: 04/16/20 09:30
Percent Solids: 96
Initial Volume: 6.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,1,1-Trichloroethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,1,2,2-Tetrachloroethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,1,2-Trichloroethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,1-Dichloroethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,1-Dichloroethene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,1-Dichloropropene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,2,3-Trichlorobenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,2,3-Trichloropropane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,2,4-Trichlorobenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,2,4-Trimethylbenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,2-Dibromo-3-Chloropropane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,2-Dibromoethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,2-Dichlorobenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,2-Dichloroethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,2-Dichloropropane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,3,5-Trimethylbenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,3-Dichlorobenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,3-Dichloropropane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,4-Dichlorobenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,4-Dioxane	ND (0.0752)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1-Chlorohexane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
2,2-Dichloropropane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
2-Butanone	ND (0.0376)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
2-Chlorotoluene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
2-Hexanone	ND (0.0376)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
4-Chlorotoluene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
4-Isopropyltoluene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
4-Methyl-2-Pentanone	ND (0.0376)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Acetone	ND (0.0376)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Benzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Bromobenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726

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Client Sample ID: Pile C S-1 1.5in Dense Grade
Date Sampled: 04/16/20 09:30
Percent Solids: 96
Initial Volume: 6.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Bromodichloromethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Bromoform	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Bromomethane	ND (0.0075)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Carbon Disulfide	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Carbon Tetrachloride	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Chlorobenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Chloroethane	ND (0.0075)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Chloroform	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Chloromethane	ND (0.0075)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
cis-1,2-Dichloroethene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
cis-1,3-Dichloropropene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Dibromochloromethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Dibromomethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Dichlorodifluoromethane	ND (0.0075)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Diethyl Ether	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Di-isopropyl ether	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Ethyl tertiary-butyl ether	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Ethylbenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Hexachlorobutadiene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Isopropylbenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Methyl tert-Butyl Ether	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Methylene Chloride	ND (0.0188)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Naphthalene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
n-Butylbenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
n-Propylbenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
sec-Butylbenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Styrene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
tert-Butylbenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Tertiary-amyl methyl ether	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Tetrachloroethene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Tetrahydrofuran	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-1 1.5in Dense Grade
Date Sampled: 04/16/20 09:30
Percent Solids: 96
Initial Volume: 6.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
trans-1,2-Dichloroethene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
trans-1,3-Dichloropropene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Trichloroethene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Trichlorofluoromethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Vinyl Acetate	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Vinyl Chloride	ND (0.0075)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Xylene O	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Xylene P,M	ND (0.0075)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Xylenes (Total)	ND (0.00752)		8260B Low		1	04/17/20 18:09		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*112 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*93 %*		*70-130*
Surrogate: Dibromofluoromethane	*107 %*		*70-130*
Surrogate: Toluene-d8	*102 %*		*70-130*

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Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-1 1.5in Dense Grade
Date Sampled: 04/16/20 09:30
Percent Solids: 96
Initial Volume: 20.4
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 4/16/20 14:30

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (38.2)		8100M		1	04/17/20 19:18	D0D0305	DD01603

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*92 %*		*40-140*

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Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-1 1.5in Dense Grade
Date Sampled: 04/16/20 09:30
Percent Solids: 96
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/16/20 14:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
1,2,4-Trichlorobenzene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
1,2-Dichlorobenzene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
1,3-Dichlorobenzene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
1,4-Dichlorobenzene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2,3,4,6-Tetrachlorophenol	ND (1.79)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2,4,5-Trichlorophenol	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2,4,6-Trichlorophenol	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2,4-Dichlorophenol	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2,4-Dimethylphenol	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2,4-Dinitrophenol	ND (1.79)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2,4-Dinitrotoluene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2,6-Dinitrotoluene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2-Chloronaphthalene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2-Chlorophenol	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2-Methylnaphthalene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2-Methylphenol	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2-Nitroaniline	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2-Nitrophenol	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
3,3′-Dichlorobenzidine	ND (0.716)		8270D		1	04/17/20 4:40	D0D0351	DD01519
3+4-Methylphenol	ND (0.716)		8270D		1	04/17/20 4:40	D0D0351	DD01519
3-Nitroaniline	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
4,6-Dinitro-2-Methylphenol	ND (1.79)		8270D		1	04/17/20 4:40	D0D0351	DD01519
4-Bromophenyl-phenylether	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
4-Chloro-3-Methylphenol	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
4-Chloroaniline	ND (0.716)		8270D		1	04/17/20 4:40	D0D0351	DD01519
4-Chloro-phenyl-phenyl ether	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
4-Nitroaniline	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
4-Nitrophenol	ND (1.79)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Acenaphthene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Acenaphthylene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Acetophenone	ND (0.716)		8270D		1	04/17/20 4:40	D0D0351	DD01519

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-1 1.5in Dense Grade
Date Sampled: 04/16/20 09:30
Percent Solids: 96
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/16/20 14:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.716)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Anthracene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Azobenzene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Benzo(a)anthracene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Benzo(a)pyrene	ND (0.179)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Benzo(b)fluoranthene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Benzo(g,h,i)perylene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Benzo(k)fluoranthene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Benzoic Acid	ND (1.79)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Benzyl Alcohol	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
bis(2-Chloroethoxy)methane	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
bis(2-Chloroethyl)ether	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
bis(2-chloroisopropyl)Ether	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
bis(2-Ethylhexyl)phthalate	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Butylbenzylphthalate	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Carbazole	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Chrysene	ND (0.179)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Dibenzo(a,h)Anthracene	ND (0.179)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Dibenzofuran	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Diethylphthalate	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Dimethylphthalate	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Di-n-butylphthalate	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Di-n-octylphthalate	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Fluoranthene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Fluorene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Hexachlorobenzene	ND (0.179)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Hexachlorobutadiene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Hexachlorocyclopentadiene	ND (1.79)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Hexachloroethane	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Indeno(1,2,3-cd)Pyrene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Isophorone	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Naphthalene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-1 1.5in Dense Grade
Date Sampled: 04/16/20 09:30
Percent Solids: 96
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/16/20 14:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
N-Nitrosodimethylamine	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
N-Nitroso-Di-n-Propylamine	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
N-nitrosodiphenylamine	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Pentachlorophenol	ND (1.79)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Phenanthrene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Phenol	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Pyrene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Pyridine	ND (1.79)		8270D		1	04/17/20 4:40	D0D0351	DD01519

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*69 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*76 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*74 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*69 %*		*30-130*
Surrogate: 2-Fluorophenol	*73 %*		*30-130*
Surrogate: Nitrobenzene-d5	*70 %*		*30-130*
Surrogate: Phenol-d6	*77 %*		*30-130*
Surrogate: p-Terphenyl-d14	*84 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-2 1.5in Dense Grade
Date Sampled: 04/16/20 09:45
Percent Solids: 96

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.13)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728
Arsenic	ND (2.07)		6010C		1	KJK	04/18/20 14:56	2.53	100	DD01728
Beryllium	**0.39** (0.09)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728
Cadmium	ND (0.41)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728
Chromium	**22.4** (0.83)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728
Copper	**12.9** (2.07)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728
Lead	**8.82** (4.13)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728
Mercury	ND (0.030)		7471B		1	MKS	04/20/20 11:59	0.69	40	DD01729
Nickel	**15.8** (2.07)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728
Selenium	ND (4.13)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728
Silver	ND (0.41)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728
Thallium	ND (4.13)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728
Zinc	**37.4** (2.07)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-2 1.5in Dense Grade
Date Sampled: 04/16/20 09:45
Percent Solids: 96
Initial Volume: 7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,1,1-Trichloroethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,1,2,2-Tetrachloroethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,1,2-Trichloroethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,1-Dichloroethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,1-Dichloroethene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,1-Dichloropropene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,2,3-Trichlorobenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,2,3-Trichloropropane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,2,4-Trichlorobenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,2,4-Trimethylbenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,2-Dibromo-3-Chloropropane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,2-Dibromoethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,2-Dichlorobenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,2-Dichloroethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,2-Dichloropropane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,3,5-Trimethylbenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,3-Dichlorobenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,3-Dichloropropane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,4-Dichlorobenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,4-Dioxane	ND (0.0747)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1-Chlorohexane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
2,2-Dichloropropane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
2-Butanone	ND (0.0373)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
2-Chlorotoluene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
2-Hexanone	ND (0.0373)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
4-Chlorotoluene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
4-Isopropyltoluene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
4-Methyl-2-Pentanone	ND (0.0373)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Acetone	ND (0.0373)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Benzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Bromobenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-2 1.5in Dense Grade
Date Sampled: 04/16/20 09:45
Percent Solids: 96
Initial Volume: 7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Bromodichloromethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Bromoform	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Bromomethane	ND (0.0075)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Carbon Disulfide	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Carbon Tetrachloride	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Chlorobenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Chloroethane	ND (0.0075)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Chloroform	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Chloromethane	ND (0.0075)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
cis-1,2-Dichloroethene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
cis-1,3-Dichloropropene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Dibromochloromethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Dibromomethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Dichlorodifluoromethane	ND (0.0075)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Diethyl Ether	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Di-isopropyl ether	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Ethyl tertiary-butyl ether	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Ethylbenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Hexachlorobutadiene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Isopropylbenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Methyl tert-Butyl Ether	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Methylene Chloride	ND (0.0187)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Naphthalene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
n-Butylbenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
n-Propylbenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
sec-Butylbenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Styrene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
tert-Butylbenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Tertiary-amyl methyl ether	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Tetrachloroethene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Tetrahydrofuran	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-2 1.5in Dense Grade
Date Sampled: 04/16/20 09:45
Percent Solids: 96
Initial Volume: 7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
trans-1,2-Dichloroethene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
trans-1,3-Dichloropropene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Trichloroethene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Trichlorofluoromethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Vinyl Acetate	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Vinyl Chloride	ND (0.0075)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Xylene O	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Xylene P,M	ND (0.0075)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Xylenes (Total)	ND (0.00747)		8260B Low		1	04/17/20 18:34		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*112 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*92 %*		*70-130*
Surrogate: Dibromofluoromethane	*106 %*		*70-130*
Surrogate: Toluene-d8	*101 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-2 1.5in Dense Grade
Date Sampled: 04/16/20 09:45
Percent Solids: 96
Initial Volume: 19.6
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 4/16/20 14:30

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (40.0)		8100M		1	04/17/20 19:51	D0D0305	DD01603

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*88 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-2 1.5in Dense Grade
Date Sampled: 04/16/20 09:45
Percent Solids: 96
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/16/20 14:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
1,2,4-Trichlorobenzene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
1,2-Dichlorobenzene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
1,3-Dichlorobenzene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
1,4-Dichlorobenzene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2,3,4,6-Tetrachlorophenol	ND (1.73)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2,4,5-Trichlorophenol	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2,4,6-Trichlorophenol	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2,4-Dichlorophenol	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2,4-Dimethylphenol	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2,4-Dinitrophenol	ND (1.73)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2,4-Dinitrotoluene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2,6-Dinitrotoluene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2-Chloronaphthalene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2-Chlorophenol	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2-Methylnaphthalene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2-Methylphenol	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2-Nitroaniline	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2-Nitrophenol	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
3,3′-Dichlorobenzidine	ND (0.692)		8270D		1	04/17/20 5:09	D0D0351	DD01519
3+4-Methylphenol	ND (0.692)		8270D		1	04/17/20 5:09	D0D0351	DD01519
3-Nitroaniline	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
4,6-Dinitro-2-Methylphenol	ND (1.73)		8270D		1	04/17/20 5:09	D0D0351	DD01519
4-Bromophenyl-phenylether	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
4-Chloro-3-Methylphenol	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
4-Chloroaniline	ND (0.692)		8270D		1	04/17/20 5:09	D0D0351	DD01519
4-Chloro-phenyl-phenyl ether	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
4-Nitroaniline	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
4-Nitrophenol	ND (1.73)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Acenaphthene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Acenaphthylene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Acetophenone	ND (0.692)		8270D		1	04/17/20 5:09	D0D0351	DD01519

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-2 1.5in Dense Grade
Date Sampled: 04/16/20 09:45
Percent Solids: 96
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/16/20 14:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.692)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Anthracene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Azobenzene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Benzo(a)anthracene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Benzo(a)pyrene	ND (0.173)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Benzo(b)fluoranthene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Benzo(g,h,i)perylene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Benzo(k)fluoranthene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Benzoic Acid	ND (1.73)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Benzyl Alcohol	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
bis(2-Chloroethoxy)methane	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
bis(2-Chloroethyl)ether	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
bis(2-chloroisopropyl)Ether	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
bis(2-Ethylhexyl)phthalate	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Butylbenzylphthalate	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Carbazole	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Chrysene	ND (0.173)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Dibenzo(a,h)Anthracene	ND (0.173)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Dibenzofuran	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Diethylphthalate	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Dimethylphthalate	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Di-n-butylphthalate	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Di-n-octylphthalate	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Fluoranthene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Fluorene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Hexachlorobenzene	ND (0.173)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Hexachlorobutadiene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Hexachlorocyclopentadiene	ND (1.73)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Hexachloroethane	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Indeno(1,2,3-cd)Pyrene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Isophorone	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Naphthalene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-2 1.5in Dense Grade
Date Sampled: 04/16/20 09:45
Percent Solids: 96
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/16/20 14:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
N-Nitrosodimethylamine	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
N-Nitroso-Di-n-Propylamine	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
N-nitrosodiphenylamine	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Pentachlorophenol	ND (1.73)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Phenanthrene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Phenol	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Pyrene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Pyridine	ND (1.73)		8270D		1	04/17/20 5:09	D0D0351	DD01519

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*61 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*69 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*66 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*65 %*		*30-130*
Surrogate: 2-Fluorophenol	*64 %*		*30-130*
Surrogate: Nitrobenzene-d5	*64 %*		*30-130*
Surrogate: Phenol-d6	*70 %*		*30-130*
Surrogate: p-Terphenyl-d14	*84 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C As-1 1.5in Dense Grade
Date Sampled: 04/16/20 09:15
Percent Solids: 97

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.24** (2.08)		6010C		1	KJK	04/18/20 12:37	2.48	100	DD01728

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C As-2 1.5in Dense Grade
Date Sampled: 04/16/20 09:20
Percent Solids: 96

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.89)		6010C		1	KJK	04/18/20 12:41	2.76	100	DD01728

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C As-3 1.5in Dense Grade
Date Sampled: 04/16/20 09:25
Percent Solids: 96

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-05
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.98)		6010C		1	BJV	04/21/20 2:39	2.63	100	DD01728

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C As-4 1.5in Dense Grade
Date Sampled: 04/16/20 10:05
Percent Solids: 97

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-06
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.16)		6010C		1	KJK	04/18/20 13:04	2.39	100	DD01728

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C As-5 1.5in Dense Grade
Date Sampled: 04/16/20 10:10
Percent Solids: 97

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-07
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.04)		6010C		1	KJK	04/18/20 13:08	2.53	100	DD01728

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C As-6 1.5in Dense Grade
Date Sampled: 04/16/20 10:15
Percent Solids: 96

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-08
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.53** (2.23)		6010C		1	KJK	04/18/20 13:12	2.34	100	DD01728

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Total Metals

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch DD01728 - 3050B										
Blank										
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	5.00	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	44.1	12.8	mg/kg wet	51.30		86	80-120			
Arsenic	195	6.41	mg/kg wet	202.0		97	80-120			
Beryllium	49.8	0.28	mg/kg wet	52.10		96	80-120			
Cadmium	140	1.28	mg/kg wet	149.0		94	80-120			
Chromium	182	2.56	mg/kg wet	182.0		100	80-120			
Copper	237	6.41	mg/kg wet	225.0		105	80-120			
Lead	332	12.8	mg/kg wet	333.0		100	80-120			
Nickel	176	6.41	mg/kg wet	167.0		105	80-120			
Selenium	163	12.8	mg/kg wet	169.0		96	80-120			
Silver	48.7	1.28	mg/kg wet	48.90		100	80-120			
Thallium	87.0	12.8	mg/kg wet	82.30		106	80-120			
Zinc	452	6.41	mg/kg wet	459.0		99	80-120			
LCS Dup										
Antimony	53.3	15.2	mg/kg wet	51.30		104	80-120	19	20	
Arsenic	194	7.58	mg/kg wet	202.0		96	80-120	0.8	20	
Beryllium	50.2	0.33	mg/kg wet	52.10		96	80-120	0.7	20	
Cadmium	136	1.52	mg/kg wet	149.0		91	80-120	3	20	
Chromium	176	3.03	mg/kg wet	182.0		96	80-120	4	20	
Copper	234	7.58	mg/kg wet	225.0		104	80-120	1	20	
Lead	334	15.2	mg/kg wet	333.0		100	80-120	0.6	20	
Nickel	172	7.58	mg/kg wet	167.0		103	80-120	3	20	
Selenium	164	15.2	mg/kg wet	169.0		97	80-120	0.9	20	
Silver	47.0	1.52	mg/kg wet	48.90		96	80-120	3	20	
Thallium	89.2	15.2	mg/kg wet	82.30		108	80-120	3	20	
Zinc	441	7.58	mg/kg wet	459.0		96	80-120	3	20	
Batch DD01729 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	9.09	0.542	mg/kg wet	7.760		117	80-120			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DD01729 - 7471B										
LCS Dup										
Mercury	9.33	0.566	mg/kg wet	7.760		120	80-120	3	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD01726 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD01726 - 5035										
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0527*		mg/kg wet	*0.05000*		*105*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0461*		mg/kg wet	*0.05000*		*92*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0503*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0513*		mg/kg wet	*0.05000*		*103*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0530	0.0050	mg/kg wet	0.05000		106	70-130			
1,1,1-Trichloroethane	0.0546	0.0050	mg/kg wet	0.05000		109	70-130			
1,1,2,2-Tetrachloroethane	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
1,1,2-Trichloroethane	0.0504	0.0050	mg/kg wet	0.05000		101	70-130			
1,1-Dichloroethane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
1,1-Dichloroethene	0.0576	0.0050	mg/kg wet	0.05000		115	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD01726 - 5035										
1,1-Dichloropropene	0.0580	0.0050	mg/kg wet	0.05000		116	70-130			
1,2,3-Trichlorobenzene	0.0586	0.0050	mg/kg wet	0.05000		117	70-130			
1,2,3-Trichloropropane	0.0504	0.0050	mg/kg wet	0.05000		101	70-130			
1,2,4-Trichlorobenzene	0.0536	0.0050	mg/kg wet	0.05000		107	70-130			
1,2,4-Trimethylbenzene	0.0557	0.0050	mg/kg wet	0.05000		111	70-130			
1,2-Dibromo-3-Chloropropane	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			
1,2-Dibromoethane	0.0534	0.0050	mg/kg wet	0.05000		107	70-130			
1,2-Dichlorobenzene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130			
1,2-Dichloroethane	0.0522	0.0050	mg/kg wet	0.05000		104	70-130			
1,2-Dichloropropane	0.0524	0.0050	mg/kg wet	0.05000		105	70-130			
1,3,5-Trimethylbenzene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130			
1,3-Dichlorobenzene	0.0550	0.0050	mg/kg wet	0.05000		110	70-130			
1,3-Dichloropropane	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
1,4-Dichlorobenzene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130			
1,4-Dioxane	1.12	0.100	mg/kg wet	1.000		112	70-130			
1-Chlorohexane	0.0573	0.0050	mg/kg wet	0.05000		115	70-130			
2,2-Dichloropropane	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
2-Butanone	0.279	0.0500	mg/kg wet	0.2500		111	70-130			
2-Chlorotoluene	0.0536	0.0050	mg/kg wet	0.05000		107	70-130			
2-Hexanone	0.301	0.0500	mg/kg wet	0.2500		120	70-130			
4-Chlorotoluene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
4-Isopropyltoluene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130			
4-Methyl-2-Pentanone	0.269	0.0500	mg/kg wet	0.2500		107	70-130			
Acetone	0.287	0.0500	mg/kg wet	0.2500		115	70-130			
Benzene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
Bromobenzene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
Bromochloromethane	0.0550	0.0050	mg/kg wet	0.05000		110	70-130			
Bromodichloromethane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
Bromoform	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
Bromomethane	0.0975	0.0100	mg/kg wet	0.05000		195	70-130			B+
Carbon Disulfide	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			
Carbon Tetrachloride	0.0557	0.0050	mg/kg wet	0.05000		111	70-130			
Chlorobenzene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130			
Chloroethane	0.0530	0.0100	mg/kg wet	0.05000		106	70-130			
Chloroform	0.0528	0.0050	mg/kg wet	0.05000		106	70-130			
Chloromethane	0.0418	0.0100	mg/kg wet	0.05000		84	70-130			
cis-1,2-Dichloroethene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
cis-1,3-Dichloropropene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130			
Dibromochloromethane	0.0530	0.0050	mg/kg wet	0.05000		106	70-130			
Dibromomethane	0.0522	0.0050	mg/kg wet	0.05000		104	70-130			
Dichlorodifluoromethane	0.0520	0.0100	mg/kg wet	0.05000		104	70-130			
Diethyl Ether	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
Di-isopropyl ether	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
Ethyl tertiary-butyl ether	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
Ethylbenzene	0.0559	0.0050	mg/kg wet	0.05000		112	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD01726 - 5035										
Hexachlorobutadiene	0.0604	0.0050	mg/kg wet	0.05000		121	70-130			
Isopropylbenzene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
Methyl tert-Butyl Ether	0.0488	0.0050	mg/kg wet	0.05000		98	70-130			
Methylene Chloride	0.0504	0.0250	mg/kg wet	0.05000		101	70-130			
Naphthalene	0.0616	0.0050	mg/kg wet	0.05000		123	70-130			
n-Butylbenzene	0.0597	0.0050	mg/kg wet	0.05000		119	70-130			
n-Propylbenzene	0.0557	0.0050	mg/kg wet	0.05000		111	70-130			
sec-Butylbenzene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130			
Styrene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
tert-Butylbenzene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
Tertiary-amyl methyl ether	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
Tetrachloroethene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
Tetrahydrofuran	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
Toluene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130			
trans-1,2-Dichloroethene	0.0556	0.0050	mg/kg wet	0.05000		111	70-130			
trans-1,3-Dichloropropene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
Trichloroethene	0.0557	0.0050	mg/kg wet	0.05000		111	70-130			
Trichlorofluoromethane	0.0601	0.0050	mg/kg wet	0.05000		120	70-130			
Vinyl Acetate	0.0624	0.0050	mg/kg wet	0.05000		125	70-130			
Vinyl Chloride	0.0554	0.0100	mg/kg wet	0.05000		111	70-130			
Xylene O	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
Xylene P,M	0.110	0.0100	mg/kg wet	0.1000		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0507*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0499*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0503*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0503*		mg/kg wet	*0.05000*		*101*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	3	25	
1,1,1-Trichloroethane	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	6	25	
1,1,2,2-Tetrachloroethane	0.0494	0.0050	mg/kg wet	0.05000		99	70-130	3	25	
1,1,2-Trichloroethane	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
1,1-Dichloroethane	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
1,1-Dichloroethene	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	7	25	
1,1-Dichloropropene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	6	25	
1,2,3-Trichlorobenzene	0.0615	0.0050	mg/kg wet	0.05000		123	70-130	5	25	
1,2,3-Trichloropropane	0.0476	0.0050	mg/kg wet	0.05000		95	70-130	6	25	
1,2,4-Trichlorobenzene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	3	25	
1,2,4-Trimethylbenzene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	5	25	
1,2-Dibromo-3-Chloropropane	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	6	25	
1,2-Dibromoethane	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	0.2	25	
1,2-Dichlorobenzene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	1	25	
1,2-Dichloroethane	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	2	25	
1,2-Dichloropropane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	0.4	25	
1,3,5-Trimethylbenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	6	25	
1,3-Dichlorobenzene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	3	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD01726 - 5035										
1,3-Dichloropropane	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	0.07	25	
1,4-Dichlorobenzene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130	2	25	
1,4-Dioxane	0.986	0.100	mg/kg wet	1.000		99	70-130	13	20	
1-Chlorohexane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	9	25	
2,2-Dichloropropane	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	6	25	
2-Butanone	0.259	0.0500	mg/kg wet	0.2500		104	70-130	7	25	
2-Chlorotoluene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	6	25	
2-Hexanone	0.272	0.0500	mg/kg wet	0.2500		109	70-130	10	25	
4-Chlorotoluene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	5	25	
4-Isopropyltoluene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	7	25	
4-Methyl-2-Pentanone	0.256	0.0500	mg/kg wet	0.2500		102	70-130	5	25	
Acetone	0.237	0.0500	mg/kg wet	0.2500		95	70-130	19	25	
Benzene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	1	25	
Bromobenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	2	25	
Bromochloromethane	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	2	25	
Bromodichloromethane	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	2	25	
Bromoform	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	1	25	
Bromomethane	0.0997	0.0100	mg/kg wet	0.05000		199	70-130	2	25	B+
Carbon Disulfide	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	7	25	
Carbon Tetrachloride	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	8	25	
Chlorobenzene	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	4	25	
Chloroethane	0.0507	0.0100	mg/kg wet	0.05000		101	70-130	5	25	
Chloroform	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	1	25	
Chloromethane	0.0371	0.0100	mg/kg wet	0.05000		74	70-130	12	25	
cis-1,2-Dichloroethene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	0.9	25	
cis-1,3-Dichloropropene	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	1	25	
Dibromochloromethane	0.0529	0.0050	mg/kg wet	0.05000		106	70-130	0.1	25	
Dibromomethane	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	3	25	
Dichlorodifluoromethane	0.0476	0.0100	mg/kg wet	0.05000		95	70-130	9	25	
Diethyl Ether	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	4	25	
Di-isopropyl ether	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	2	25	
Ethyl tertiary-butyl ether	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	0.5	25	
Ethylbenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	6	25	
Hexachlorobutadiene	0.0571	0.0050	mg/kg wet	0.05000		114	70-130	6	25	
Isopropylbenzene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130	8	25	
Methyl tert-Butyl Ether	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	3	25	
Methylene Chloride	0.0500	0.0250	mg/kg wet	0.05000		100	70-130	0.8	25	
Naphthalene	0.0632	0.0050	mg/kg wet	0.05000		126	70-130	3	25	
n-Butylbenzene	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	7	25	
n-Propylbenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	9	25	
sec-Butylbenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	9	25	
Styrene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	2	25	
tert-Butylbenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	8	25	
Tertiary-amyl methyl ether	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	2	25	
Tetrachloroethene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	6	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD01726 - 5035										
Tetrahydrofuran	0.0469	0.0050	mg/kg wet	0.05000		94	70-130	9	25	
Toluene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	4	25	
trans-1,2-Dichloroethene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
trans-1,3-Dichloropropene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	2	25	
Trichloroethene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	3	25	
Trichlorofluoromethane	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	12	25	
Vinyl Acetate	0.0635	0.0050	mg/kg wet	0.05000		127	70-130	2	25	
Vinyl Chloride	0.0502	0.0100	mg/kg wet	0.05000		100	70-130	10	25	
Xylene O	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	5	25	
Xylene P,M	0.105	0.0100	mg/kg wet	0.1000		105	70-130	5	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0510*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0500*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0508*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.0494*		mg/kg wet	*0.05000*		*99*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch DD01603 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.47*		mg/kg wet	*5.000*		*89*	*40-140*			
LCS										
Decane (C10)	2.0	0.2	mg/kg wet	2.500		80	40-140			
Docosane (C22)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Dodecane (C12)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Eicosane (C20)	2.4	0.2	mg/kg wet	2.500		95	40-140			
Hexacosane (C26)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		71	30-140			
Octacosane (C28)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Octadecane (C18)	2.3	0.2	mg/kg wet	2.500		93	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DD01603 - 3546										
Tetracosane (C24)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Tetradecane (C14)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Total Petroleum Hydrocarbons	32.1	37.5	mg/kg wet	35.00		92	40-140			
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Surrogate: O-Terphenyl	*4.79*		mg/kg wet	*5.000*		*96*	*40-140*			
LCS Dup										
Decane (C10)	2.1	0.2	mg/kg wet	2.500		82	40-140	3	25	
Docosane (C22)	2.4	0.2	mg/kg wet	2.500		95	40-140	0.9	25	
Dodecane (C12)	2.2	0.2	mg/kg wet	2.500		88	40-140	2	25	
Eicosane (C20)	2.4	0.2	mg/kg wet	2.500		94	40-140	1	25	
Hexacosane (C26)	2.4	0.2	mg/kg wet	2.500		95	40-140	1	25	
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		92	40-140	0.04	25	
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		95	40-140	0.9	25	
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		73	30-140	3	25	
Octacosane (C28)	2.4	0.2	mg/kg wet	2.500		95	40-140	1	25	
Octadecane (C18)	2.3	0.2	mg/kg wet	2.500		93	40-140	0.8	25	
Tetracosane (C24)	2.4	0.2	mg/kg wet	2.500		95	40-140	1	25	
Tetradecane (C14)	2.2	0.2	mg/kg wet	2.500		90	40-140	0.8	25	
Total Petroleum Hydrocarbons	31.9	37.5	mg/kg wet	35.00		91	40-140	0.6	25	
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		91	40-140	1	25	
Surrogate: O-Terphenyl	*4.70*		mg/kg wet	*5.000*		*94*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DD01519 - 3546										
Blank										
1,1-Biphenyl	ND	0.100	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.110	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD01519 - 3546										
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.167	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.167	mg/kg wet							
Benzo(a)pyrene	ND	0.083	mg/kg wet							
Benzo(b)fluoranthene	ND	0.083	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.083	mg/kg wet							
Benzo(k)fluoranthene	ND	0.100	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.100	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.067	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.067	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.067	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.110	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD01519 - 3546										
Naphthalene	ND	0.110	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	0.333	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.18*		mg/kg wet	*3.333*		*65*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.68*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.37*		mg/kg wet	*5.000*		*67*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.25*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: 2-Fluorophenol	*3.41*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.26*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: Phenol-d6	*3.47*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.02*		mg/kg wet	*3.333*		*91*	*30-130*			
LCS										
1,1-Biphenyl	2.15	0.333	mg/kg wet	3.333		65	40-140			
1,2,4-Trichlorobenzene	2.10	0.333	mg/kg wet	3.333		63	40-140			
1,2-Dichlorobenzene	2.02	0.333	mg/kg wet	3.333		61	40-140			
1,3-Dichlorobenzene	1.96	0.333	mg/kg wet	3.333		59	40-140			
1,4-Dichlorobenzene	2.00	0.333	mg/kg wet	3.333		60	40-140			
2,3,4,6-Tetrachlorophenol	2.58	1.67	mg/kg wet	3.333		77	30-130			
2,4,5-Trichlorophenol	2.66	0.333	mg/kg wet	3.333		80	30-130			
2,4,6-Trichlorophenol	2.48	0.333	mg/kg wet	3.333		74	30-130			
2,4-Dichlorophenol	2.50	0.333	mg/kg wet	3.333		75	30-130			
2,4-Dimethylphenol	2.53	0.333	mg/kg wet	3.333		76	30-130			
2,4-Dinitrophenol	2.75	1.67	mg/kg wet	3.333		83	30-130			
2,4-Dinitrotoluene	3.00	0.333	mg/kg wet	3.333		90	40-140			
2,6-Dinitrotoluene	2.80	0.333	mg/kg wet	3.333		84	40-140			
2-Chloronaphthalene	2.29	0.333	mg/kg wet	3.333		69	40-140			
2-Chlorophenol	2.24	0.333	mg/kg wet	3.333		67	30-130			
2-Methylnaphthalene	2.28	0.333	mg/kg wet	3.333		68	40-140			
2-Methylphenol	2.36	0.333	mg/kg wet	3.333		71	30-130			
2-Nitroaniline	2.92	0.333	mg/kg wet	3.333		87	40-140			
2-Nitrophenol	2.27	0.333	mg/kg wet	3.333		68	30-130			
3,3´-Dichlorobenzidine	2.47	0.667	mg/kg wet	3.333		74	40-140			
3+4-Methylphenol	5.00	0.667	mg/kg wet	6.667		75	30-130			
3-Nitroaniline	2.67	0.333	mg/kg wet	3.333		80	40-140			
4,6-Dinitro-2-Methylphenol	3.12	1.67	mg/kg wet	3.333		94	30-130			
4-Bromophenyl-phenylether	2.72	0.333	mg/kg wet	3.333		82	40-140			
4-Chloro-3-Methylphenol	2.70	0.333	mg/kg wet	3.333		81	30-130			
4-Chloroaniline	1.28	0.667	mg/kg wet	3.333		39	40-140			B-

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD01519 - 3546										
4-Chloro-phenyl-phenyl ether	2.59	0.333	mg/kg wet	3.333		78	40-140			
4-Nitroaniline	2.92	0.333	mg/kg wet	3.333		88	40-140			
4-Nitrophenol	2.83	1.67	mg/kg wet	3.333		85	30-130			
Acenaphthene	2.36	0.333	mg/kg wet	3.333		71	40-140			
Acenaphthylene	2.17	0.333	mg/kg wet	3.333		65	40-140			
Acetophenone	2.19	0.667	mg/kg wet	3.333		66	40-140			
Aniline	1.70	0.667	mg/kg wet	3.333		51	40-140			
Anthracene	2.74	0.333	mg/kg wet	3.333		82	40-140			
Azobenzene	2.54	0.333	mg/kg wet	3.333		76	40-140			
Benzo(a)anthracene	2.95	0.333	mg/kg wet	3.333		89	40-140			
Benzo(a)pyrene	3.09	0.167	mg/kg wet	3.333		93	40-140			
Benzo(b)fluoranthene	3.19	0.333	mg/kg wet	3.333		96	40-140			
Benzo(g,h,i)perylene	3.08	0.333	mg/kg wet	3.333		92	40-140			
Benzo(k)fluoranthene	2.99	0.333	mg/kg wet	3.333		90	40-140			
Benzoic Acid	2.18	1.67	mg/kg wet	3.333		65	40-140			
Benzyl Alcohol	1.98	0.333	mg/kg wet	3.333		59	40-140			
bis(2-Chloroethoxy)methane	2.28	0.333	mg/kg wet	3.333		68	40-140			
bis(2-Chloroethyl)ether	2.15	0.333	mg/kg wet	3.333		64	40-140			
bis(2-chloroisopropyl)Ether	2.08	0.333	mg/kg wet	3.333		63	40-140			
bis(2-Ethylhexyl)phthalate	2.85	0.333	mg/kg wet	3.333		86	40-140			
Butylbenzylphthalate	3.06	0.333	mg/kg wet	3.333		92	40-140			
Carbazole	2.99	0.333	mg/kg wet	3.333		90	40-140			
Chrysene	2.92	0.167	mg/kg wet	3.333		88	40-140			
Dibenzo(a,h)Anthracene	3.12	0.167	mg/kg wet	3.333		94	40-140			
Dibenzofuran	2.46	0.333	mg/kg wet	3.333		74	40-140			
Diethylphthalate	2.84	0.333	mg/kg wet	3.333		85	40-140			
Dimethylphthalate	2.65	0.333	mg/kg wet	3.333		79	40-140			
Di-n-butylphthalate	3.03	0.333	mg/kg wet	3.333		91	40-140			
Di-n-octylphthalate	2.81	0.333	mg/kg wet	3.333		84	40-140			
Fluoranthene	2.93	0.333	mg/kg wet	3.333		88	40-140			
Fluorene	2.66	0.333	mg/kg wet	3.333		80	40-140			
Hexachlorobenzene	2.83	0.167	mg/kg wet	3.333		85	40-140			
Hexachlorobutadiene	2.08	0.333	mg/kg wet	3.333		62	40-140			
Hexachlorocyclopentadiene	1.32	1.67	mg/kg wet	3.333		40	40-140			
Hexachloroethane	1.97	0.333	mg/kg wet	3.333		59	40-140			
Indeno(1,2,3-cd)Pyrene	3.08	0.333	mg/kg wet	3.333		92	40-140			
Isophorone	1.96	0.333	mg/kg wet	3.333		59	40-140			
Naphthalene	2.18	0.333	mg/kg wet	3.333		65	40-140			
Nitrobenzene	2.20	0.333	mg/kg wet	3.333		66	40-140			
N-Nitrosodimethylamine	1.77	0.333	mg/kg wet	3.333		53	40-140			
N-Nitroso-Di-n-Propylamine	2.33	0.333	mg/kg wet	3.333		70	40-140			
N-nitrosodiphenylamine	2.73	0.333	mg/kg wet	3.333		82	40-140			
Pentachlorophenol	2.73	1.67	mg/kg wet	3.333		82	30-130			
Phenanthrene	2.76	0.333	mg/kg wet	3.333		83	40-140			
Phenol	2.50	0.333	mg/kg wet	3.333		75	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD01519 - 3546										
Pyrene	2.92	0.333	mg/kg wet	3.333		88	40-140			
Pyridine	1.72	1.67	mg/kg wet	3.333		52	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.07*		mg/kg wet	*3.333*		*62*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.37*		mg/kg wet	*5.000*		*87*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.48*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.47*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*3.40*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.32*		mg/kg wet	*3.333*		*69*	*30-130*			
Surrogate: Phenol-d6	*3.72*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.10*		mg/kg wet	*3.333*		*93*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.16	0.333	mg/kg wet	3.333		65	40-140	0.5	30	
1,2,4-Trichlorobenzene	2.25	0.333	mg/kg wet	3.333		68	40-140	7	30	
1,2-Dichlorobenzene	2.26	0.333	mg/kg wet	3.333		68	40-140	11	30	
1,3-Dichlorobenzene	2.19	0.333	mg/kg wet	3.333		66	40-140	11	30	
1,4-Dichlorobenzene	2.21	0.333	mg/kg wet	3.333		66	40-140	10	30	
2,3,4,6-Tetrachlorophenol	2.84	1.67	mg/kg wet	3.333		85	30-130	10	30	
2,4,5-Trichlorophenol	2.79	0.333	mg/kg wet	3.333		84	30-130	5	30	
2,4,6-Trichlorophenol	2.58	0.333	mg/kg wet	3.333		77	30-130	4	30	
2,4-Dichlorophenol	2.70	0.333	mg/kg wet	3.333		81	30-130	7	30	
2,4-Dimethylphenol	2.68	0.333	mg/kg wet	3.333		80	30-130	6	30	
2,4-Dinitrophenol	3.15	1.67	mg/kg wet	3.333		95	30-130	14	30	
2,4-Dinitrotoluene	3.30	0.333	mg/kg wet	3.333		99	40-140	10	30	
2,6-Dinitrotoluene	2.98	0.333	mg/kg wet	3.333		90	40-140	6	30	
2-Chloronaphthalene	2.34	0.333	mg/kg wet	3.333		70	40-140	2	30	
2-Chlorophenol	2.50	0.333	mg/kg wet	3.333		75	30-130	11	30	
2-Methylnaphthalene	2.48	0.333	mg/kg wet	3.333		74	40-140	8	30	
2-Methylphenol	2.66	0.333	mg/kg wet	3.333		80	30-130	12	30	
2-Nitroaniline	3.11	0.333	mg/kg wet	3.333		93	40-140	6	30	
2-Nitrophenol	2.44	0.333	mg/kg wet	3.333		73	30-130	7	30	
3,3´-Dichlorobenzidine	2.38	0.667	mg/kg wet	3.333		72	40-140	3	30	
3+4-Methylphenol	5.61	0.667	mg/kg wet	6.667		84	30-130	11	30	
3-Nitroaniline	2.81	0.333	mg/kg wet	3.333		84	40-140	5	30	
4,6-Dinitro-2-Methylphenol	3.30	1.67	mg/kg wet	3.333		99	30-130	6	30	
4-Bromophenyl-phenylether	2.72	0.333	mg/kg wet	3.333		82	40-140	0.09	30	
4-Chloro-3-Methylphenol	3.06	0.333	mg/kg wet	3.333		92	30-130	12	30	
4-Chloroaniline	1.22	0.667	mg/kg wet	3.333		37	40-140	5	30	B-
4-Chloro-phenyl-phenyl ether	2.75	0.333	mg/kg wet	3.333		83	40-140	6	30	
4-Nitroaniline	3.03	0.333	mg/kg wet	3.333		91	40-140	4	30	
4-Nitrophenol	3.19	1.67	mg/kg wet	3.333		96	30-130	12	30	
Acenaphthene	2.47	0.333	mg/kg wet	3.333		74	40-140	4	30	
Acenaphthylene	2.26	0.333	mg/kg wet	3.333		68	40-140	4	30	
Acetophenone	2.43	0.667	mg/kg wet	3.333		73	40-140	11	30	
Aniline	1.82	0.667	mg/kg wet	3.333		55	40-140	7	30	
Anthracene	2.84	0.333	mg/kg wet	3.333		85	40-140	4	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD01519 - 3546										
Azobenzene	2.53	0.333	mg/kg wet	3.333		76	40-140	0.6	30	
Benzo(a)anthracene	2.98	0.333	mg/kg wet	3.333		89	40-140	0.9	30	
Benzo(a)pyrene	3.15	0.167	mg/kg wet	3.333		95	40-140	2	30	
Benzo(b)fluoranthene	3.11	0.333	mg/kg wet	3.333		93	40-140	2	30	
Benzo(g,h,i)perylene	3.12	0.333	mg/kg wet	3.333		94	40-140	1	30	
Benzo(k)fluoranthene	3.15	0.333	mg/kg wet	3.333		95	40-140	5	30	
Benzoic Acid	2.55	1.67	mg/kg wet	3.333		76	40-140	15	30	
Benzyl Alcohol	2.22	0.333	mg/kg wet	3.333		67	40-140	11	30	
bis(2-Chloroethoxy)methane	2.42	0.333	mg/kg wet	3.333		73	40-140	6	30	
bis(2-Chloroethyl)ether	2.39	0.333	mg/kg wet	3.333		72	40-140	11	30	
bis(2-chloroisopropyl)Ether	2.27	0.333	mg/kg wet	3.333		68	40-140	9	30	
bis(2-Ethylhexyl)phthalate	2.88	0.333	mg/kg wet	3.333		86	40-140	1	30	
Butylbenzylphthalate	3.08	0.333	mg/kg wet	3.333		92	40-140	0.7	30	
Carbazole	3.14	0.333	mg/kg wet	3.333		94	40-140	5	30	
Chrysene	2.96	0.167	mg/kg wet	3.333		89	40-140	2	30	
Dibenzo(a,h)Anthracene	3.17	0.167	mg/kg wet	3.333		95	40-140	2	30	
Dibenzofuran	2.60	0.333	mg/kg wet	3.333		78	40-140	6	30	
Diethylphthalate	3.04	0.333	mg/kg wet	3.333		91	40-140	7	30	
Dimethylphthalate	2.80	0.333	mg/kg wet	3.333		84	40-140	5	30	
Di-n-butylphthalate	3.14	0.333	mg/kg wet	3.333		94	40-140	4	30	
Di-n-octylphthalate	2.75	0.333	mg/kg wet	3.333		83	40-140	2	30	
Fluoranthene	3.10	0.333	mg/kg wet	3.333		93	40-140	6	30	
Fluorene	2.86	0.333	mg/kg wet	3.333		86	40-140	7	30	
Hexachlorobenzene	2.86	0.167	mg/kg wet	3.333		86	40-140	0.8	30	
Hexachlorobutadiene	2.21	0.333	mg/kg wet	3.333		66	40-140	6	30	
Hexachlorocyclopentadiene	1.32	1.67	mg/kg wet	3.333		40	40-140	0.4	30	
Hexachloroethane	2.19	0.333	mg/kg wet	3.333		66	40-140	10	30	
Indeno(1,2,3-cd)Pyrene	3.15	0.333	mg/kg wet	3.333		94	40-140	2	30	
Isophorone	2.09	0.333	mg/kg wet	3.333		63	40-140	6	30	
Naphthalene	2.33	0.333	mg/kg wet	3.333		70	40-140	7	30	
Nitrobenzene	2.35	0.333	mg/kg wet	3.333		71	40-140	7	30	
N-Nitrosodimethylamine	1.95	0.333	mg/kg wet	3.333		59	40-140	10	30	
N-Nitroso-Di-n-Propylamine	2.58	0.333	mg/kg wet	3.333		78	40-140	10	30	
N-nitrosodiphenylamine	2.73	0.333	mg/kg wet	3.333		82	40-140	0.02	30	
Pentachlorophenol	2.92	1.67	mg/kg wet	3.333		87	30-130	7	30	
Phenanthrene	2.84	0.333	mg/kg wet	3.333		85	40-140	3	30	
Phenol	2.83	0.333	mg/kg wet	3.333		85	30-130	12	30	
Pyrene	2.89	0.333	mg/kg wet	3.333		87	40-140	0.8	30	
Pyridine	1.86	1.67	mg/kg wet	3.333		56	40-140	8	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.28*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.31*		mg/kg wet	*5.000*		*86*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.78*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.39*		mg/kg wet	*3.333*		*72*	*30-130*			
Surrogate: 2-Fluorophenol	*3.72*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.43*		mg/kg wet	*3.333*		*73*	*30-130*			
Surrogate: Phenol-d6	*4.02*		mg/kg wet	*5.000*		*80*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD01519 - 3546										
Surrogate: p-Terphenyl-d14	*2.98*		mg/kg wet	*3.333*		*89*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: Client

ESS Project ID: 20D0445
Date Received: 4/16/2020
Project Due Date: 4/23/2020
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 4.3 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No (NA)
10. Were any analyses received outside of hold time? Yes (No)

11. Any Subcontracting needed? Yes (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA
13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 4/16/20 Time: 1307 By: MR

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes (No)
    a. Was there a need to contact the client? Yes (No)
    Who was contacted: Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	34750	Yes	N/A	Yes	VOA Vial	DI Water	
1	34751	Yes	N/A	Yes	VOA Vial	DI Water	
1	34754	Yes	N/A	Yes	VOA Vial	MeOH	
1	34758	Yes	N/A	Yes	8 oz jar	NP	
2	34752	Yes	N/A	Yes	VOA Vial	DI Water	
2	34753	Yes	N/A	Yes	VOA Vial	DI Water	
2	34756	Yes	N/A	Yes	VOA Vial	MeOH	
2	34759	Yes	N/A	Yes	8 oz jar	NP	
3	34760	Yes	N/A	Yes	4 oz. Jar	NP	
4	34761	Yes	N/A	Yes	4 oz. Jar	NP	
5	34762	Yes	N/A	Yes	4 oz. Jar	NP	
6	34763	Yes	N/A	Yes	4 oz. Jar	NP	
7	34764	Yes	N/A	Yes	4 oz. Jar	NP	
8	34765	Yes	N/A	Yes	4 oz. Jar	NP	

2nd Review
Were all containers scanned into storage/lab? Initials AG

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 20D0445
Date Received: 4/16/2020

Are barcode labels on correct containers?	(Yes) / No
Are all Flashpoint stickers attached/container ID # circled?	Yes / No / NA
Are all Hex Chrome stickers attached?	Yes / No / NA
Are all QC stickers attached?	Yes / No / NA
Are VOA stickers attached if bubbles noted?	Yes / No / NA

Completed By: Amber Garcia Date & Time: 4/16/20 13:03

Reviewed By: [signature] Date & Time: 4/16/20 1307

Delivered By: [signature] 4/16/20 1307

CHAIN OF CUSTODY

ESS Laboratory
Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

ESS Lab # 20D0445

Turn Time: 5 Days
Regulatory State: RI
Is this project for any of the following?: ○ CT RCP ○ MA MCP ○ RGP
Reporting Limits
Electonic Deliverables: ☐ Data Checker ☒ Excel ☒ Other (Please Specify →) PDF

Company Name: GZA GeoEnvironmental, Inc.
Contact Person: Sophia Narkiewicz
Project #: 33654.04
Project Name: 642 Allens Ave
Address: 188 Valley Street, Suite 300
City: Providence
State: RI
Zip Code: 02909
PO #: —
Telephone Number: 401-421-2737
FAX Number:
Email Address: Sophia.narkiewicz@gza.com

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis: VOC via 8260B	SVOC* via 8270D	PP13 Metals**	TPH via 8100M	Total Arsenic
1	4/16/20	0930	Composite	Soil	Pile C S-1 1.5" dense grade	X	X	X	X	
2		0945			Pile C S-2 1.5" dense grade	X	X	X	X	
3		0915			Pile C As-1 1.5" dense grade					X
4		0920			Pile C As-2 1.5" dense grade					X
5		0925			Pile C As-3 1.5" dense grade					X
6		1005			Pile C As-4 1.5" dense grade					X
7		1010			Pile C As-5 1.5" dense grade					X
8		1015			Pile C As-6 1.5" dense grade					X
Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial						O	AG	AG	AG	AG
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*						7	10	10	10	9
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*						6	1	1	1	1
					Number of Containers per Sample:	3	1	1	1	1

Laboratory Use Only
Cooler Present: ✓ ⊘ Drop Off ○ Pickup
Seals Intact: —
Cooler Temperature: Ice 4.3 °C

Sampled by: David Thibault (GZA)
Comments: Please specify "Other" preservative and containers types in this space
* Please run full SVOC list
** Run via methods 6010 and 7471A

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
David Thibault 4/16/20 1050	4/16/20 10:52		~~Amber Garcia 4/16/20 12:56~~ 4/17/20
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

CERTIFICATE OF ANALYSIS

Sara Haupt
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: FPLP (03.0033554.05 Task 6.2)
ESS Laboratory Work Order Number: 20F0959

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 2:31 pm, Jun 29, 2020

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

SAMPLE RECEIPT

The following samples were received on June 25, 2020 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on June 25, 2020 at 1312.

Lab Number	Sample Name	Matrix	Analysis
20F0959-01	SP062520-1	Soil	6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D
20F0959-02	SP062520-2	Soil	6010C
20F0959-03	SP062520-3	Soil	6010C

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

DF02651-BS1 **Blank Spike recovery is below lower control limit (B-).**
1,4-Dioxane (69% @ 70-130%), Acetone (66% @ 70-130%)

DF02651-BSD1 **Blank Spike recovery is below lower control limit (B-).**
Bromoform (64% @ 70-130%)

DF02651-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
1,4-Dioxane (37% @ 20%), Acetone (34% @ 25%)

8270D Semi-Volatile Organic Compounds

D0F0492-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (128% @ 80-120%), 4,6-Dinitro-2-Methylphenol (122% @ 80-120%), Benzoic Acid (126% @ 80-120%), Pentachlorophenol (125% @ 80-120%)

D0F0492-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2,4-Dinitrophenol (28% @ 20%), 4,6-Dinitro-2-Methylphenol (22% @ 20%), Benzoic Acid (26% @ 20%), Pentachlorophenol (25% @ 20%), Pyridine (35% @ 20%)

D0F0504-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (91% @ 80-120%), 4,6-Dinitro-2-Methylphenol (86% @ 80-120%), Benzoic Acid (95% @ 80-120%), Pentachlorophenol (104% @ 80-120%)

D0F0504-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Pyridine (29% @ 20%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP062520-1
Date Sampled: 06/25/20 11:30
Percent Solids: 97

ESS Laboratory Work Order: 20F0959
ESS Laboratory Sample ID: 20F0959-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.27)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552
Arsenic	ND (2.13)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552
Beryllium	ND (0.43)		6020A		1	NAR	06/26/20 13:49	2.42	100	DF02552
Cadmium	ND (0.43)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552
Chromium	**9.88** (0.85)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552
Copper	**12.2** (2.13)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552
Lead	ND (4.27)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552
Mercury	ND (0.026)		7471B		1	MKS	06/26/20 12:20	0.79	40	DF02553
Nickel	**6.06** (2.13)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552
Selenium	ND (4.27)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552
Silver	ND (0.43)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552
Thallium	ND (4.27)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552
Zinc	**26.9** (2.13)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP062520-1
Date Sampled: 06/25/20 11:30
Percent Solids: 97
Initial Volume: 13.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20F0959
ESS Laboratory Sample ID: 20F0959-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,1,1-Trichloroethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,1,2,2-Tetrachloroethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,1,2-Trichloroethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,1-Dichloroethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,1-Dichloroethene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,1-Dichloropropene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,2,3-Trichlorobenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,2,3-Trichloropropane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,2,4-Trichlorobenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,2,4-Trimethylbenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,2-Dibromo-3-Chloropropane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,2-Dibromoethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,2-Dichlorobenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,2-Dichloroethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,2-Dichloropropane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,3,5-Trimethylbenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,3-Dichlorobenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,3-Dichloropropane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,4-Dichlorobenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,4-Dioxane	ND (0.0394)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1-Chlorohexane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
2,2-Dichloropropane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
2-Butanone	ND (0.0197)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
2-Chlorotoluene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
2-Hexanone	ND (0.0197)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
4-Chlorotoluene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
4-Isopropyltoluene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
4-Methyl-2-Pentanone	ND (0.0197)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Acetone	ND (0.0197)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Benzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Bromobenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP062520-1
Date Sampled: 06/25/20 11:30
Percent Solids: 97
Initial Volume: 13.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20F0959
ESS Laboratory Sample ID: 20F0959-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Bromodichloromethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Bromoform	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Bromomethane	ND (0.0039)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Carbon Disulfide	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Carbon Tetrachloride	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Chlorobenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Chloroethane	ND (0.0039)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Chloroform	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Chloromethane	ND (0.0039)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
cis-1,2-Dichloroethene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
cis-1,3-Dichloropropene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Dibromochloromethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Dibromomethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Dichlorodifluoromethane	ND (0.0039)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Diethyl Ether	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Di-isopropyl ether	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Ethyl tertiary-butyl ether	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Ethylbenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Hexachlorobutadiene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Isopropylbenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Methyl tert-Butyl Ether	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Methylene Chloride	ND (0.0099)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Naphthalene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
n-Butylbenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
n-Propylbenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
sec-Butylbenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Styrene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
tert-Butylbenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Tertiary-amyl methyl ether	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Tetrachloroethene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Tetrahydrofuran	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP062520-1
Date Sampled: 06/25/20 11:30
Percent Solids: 97
Initial Volume: 13.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20F0959
ESS Laboratory Sample ID: 20F0959-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
trans-1,2-Dichloroethene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
trans-1,3-Dichloropropene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Trichloroethene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Trichlorofluoromethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Vinyl Acetate	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Vinyl Chloride	ND (0.0039)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Xylene O	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Xylene P,M	ND (0.0039)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Xylenes (Total)	ND (0.00394)		8260B Low		1	06/26/20 15:18		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*119 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*97 %*		*70-130*
Surrogate: Dibromofluoromethane	*110 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP062520-1
Date Sampled: 06/25/20 11:30
Percent Solids: 97
Initial Volume: 19.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 20F0959
ESS Laboratory Sample ID: 20F0959-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: NXL
Prepared: 6/25/20 13:35

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (40.6)		8100M		1	06/26/20 15:05	D0F0544	DF02449

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*96 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP062520-1
Date Sampled: 06/25/20 11:30
Percent Solids: 97
Initial Volume: 14
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20F0959
ESS Laboratory Sample ID: 20F0959-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/25/20 13:35

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
1,2,4-Trichlorobenzene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
1,2-Dichlorobenzene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
1,3-Dichlorobenzene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
1,4-Dichlorobenzene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2,3,4,6-Tetrachlorophenol	ND (1.85)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2,4,5-Trichlorophenol	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2,4,6-Trichlorophenol	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2,4-Dichlorophenol	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2,4-Dimethylphenol	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2,4-Dinitrophenol	ND (1.85)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2,4-Dinitrotoluene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2,6-Dinitrotoluene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2-Chloronaphthalene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2-Chlorophenol	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2-Methylnaphthalene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2-Methylphenol	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2-Nitroaniline	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2-Nitrophenol	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
3,3′-Dichlorobenzidine	ND (0.738)		8270D		1	06/25/20 18:36	D0F0504	DF02446
3+4-Methylphenol	ND (0.738)		8270D		1	06/25/20 18:36	D0F0504	DF02446
3-Nitroaniline	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
4,6-Dinitro-2-Methylphenol	ND (1.85)		8270D		1	06/25/20 18:36	D0F0504	DF02446
4-Bromophenyl-phenylether	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
4-Chloro-3-Methylphenol	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
4-Chloroaniline	ND (0.738)		8270D		1	06/25/20 18:36	D0F0504	DF02446
4-Chloro-phenyl-phenyl ether	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
4-Nitroaniline	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
4-Nitrophenol	ND (1.85)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Acenaphthene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Acenaphthylene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Acetophenone	ND (0.738)		8270D		1	06/25/20 18:36	D0F0504	DF02446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP062520-1
Date Sampled: 06/25/20 11:30
Percent Solids: 97
Initial Volume: 14
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20F0959
ESS Laboratory Sample ID: 20F0959-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/25/20 13:35

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.738)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Anthracene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Azobenzene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Benzo(a)anthracene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Benzo(a)pyrene	ND (0.185)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Benzo(b)fluoranthene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Benzo(g,h,i)perylene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Benzo(k)fluoranthene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Benzoic Acid	ND (1.85)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Benzyl Alcohol	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
bis(2-Chloroethoxy)methane	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
bis(2-Chloroethyl)ether	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
bis(2-chloroisopropyl)Ether	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
bis(2-Ethylhexyl)phthalate	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Butylbenzylphthalate	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Carbazole	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Chrysene	ND (0.185)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Dibenzo(a,h)Anthracene	ND (0.185)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Dibenzofuran	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Diethylphthalate	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Dimethylphthalate	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Di-n-butylphthalate	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Di-n-octylphthalate	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Fluoranthene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Fluorene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Hexachlorobenzene	ND (0.185)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Hexachlorobutadiene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Hexachlorocyclopentadiene	ND (1.85)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Hexachloroethane	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Indeno(1,2,3-cd)Pyrene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Isophorone	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Naphthalene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP062520-1
Date Sampled: 06/25/20 11:30
Percent Solids: 97
Initial Volume: 14
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20F0959
ESS Laboratory Sample ID: 20F0959-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/25/20 13:35

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
N-Nitrosodimethylamine	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
N-Nitroso-Di-n-Propylamine	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
N-nitrosodiphenylamine	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Pentachlorophenol	ND (1.85)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Phenanthrene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Phenol	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Pyrene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Pyridine	ND (1.85)		8270D		1	06/25/20 18:36	D0F0504	DF02446

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*52 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*48 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*57 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*54 %*		*30-130*
Surrogate: 2-Fluorophenol	*57 %*		*30-130*
Surrogate: Nitrobenzene-d5	*54 %*		*30-130*
Surrogate: Phenol-d6	*54 %*		*30-130*
Surrogate: p-Terphenyl-d14	*69 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP062520-2
Date Sampled: 06/25/20 11:30
Percent Solids: 97

ESS Laboratory Work Order: 20F0959
ESS Laboratory Sample ID: 20F0959-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.32)		6010C		1	KJK	06/25/20 20:51	2.23	100	DF02552

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP062520-3
Date Sampled: 06/25/20 11:30
Percent Solids: 97

ESS Laboratory Work Order: 20F0959
ESS Laboratory Sample ID: 20F0959-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.91)		6010C		1	KJK	06/25/20 20:56	2.7	100	DF02552

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DF02552 - 3050B										
Blank										
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	5.00	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
Blank										
Beryllium	ND	0.50	mg/kg wet							
LCS										
Antimony	35.5	15.6	mg/kg wet	42.00		84	40-160			
Arsenic	37.1	7.81	mg/kg wet	43.10		86	80-120			
Arsenic	37.1	7.81	mg/kg wet	43.10		86	80-120			
Cadmium	116	1.56	mg/kg wet	118.0		99	80-120			
Chromium	309	3.12	mg/kg wet	299.0		103	80-120			
Copper	328	7.81	mg/kg wet	330.0		99	80-120			
Lead	145	15.6	mg/kg wet	144.0		100	80-120			
Nickel	181	7.81	mg/kg wet	171.0		106	80-120			
Selenium	148	15.6	mg/kg wet	154.0		96	80-120			
Silver	75.4	1.56	mg/kg wet	73.50		103	80-120			
Zinc	840	7.81	mg/kg wet	874.0		96	80-120			
LCS										
Thallium	75.3	14.7	mg/kg wet	90.40		83	80-120			
LCS										
Beryllium	112	7.81	mg/kg wet	117.0		96	80-120			
LCS Dup										
Antimony	32.6	13.7	mg/kg wet	42.00		78	40-160	8	20	
Arsenic	38.7	6.85	mg/kg wet	43.10		90	80-120	4	20	
Arsenic	38.7	6.85	mg/kg wet	43.10		90	80-120	4	20	
Cadmium	113	1.37	mg/kg wet	118.0		96	80-120	3	20	
Chromium	300	2.74	mg/kg wet	299.0		100	80-120	3	20	
Copper	323	6.85	mg/kg wet	330.0		98	80-120	2	20	
Lead	138	13.7	mg/kg wet	144.0		96	80-120	4	20	
Nickel	176	6.85	mg/kg wet	171.0		103	80-120	3	20	
Selenium	144	13.7	mg/kg wet	154.0		93	80-120	3	20	
Silver	73.3	1.37	mg/kg wet	73.50		100	80-120	3	20	
Zinc	807	6.85	mg/kg wet	874.0		92	80-120	4	20	
LCS Dup										

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DF02552 - 3050B										
Thallium	77.7	13.3	mg/kg wet	90.40		86	80-120	3	20	
LCS Dup										
Beryllium	106	6.85	mg/kg wet	117.0		91	80-120	5	30	
Batch DF02553 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	24.2	3.09	mg/kg wet	26.60		91	80-120			
LCS Dup										
Mercury	23.5	3.25	mg/kg wet	26.60		88	80-120	3	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch DF02651 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DF02651 - 5035										
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0536*		mg/kg wet	*0.05000*		*107*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0475*		mg/kg wet	*0.05000*		*95*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DF02651 - 5035										
Surrogate: Dibromofluoromethane	*0.0517*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.0492*		mg/kg wet	*0.05000*		*98*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0538	0.0050	mg/kg wet	0.05000		108	70-130			
1,1,1-Trichloroethane	0.0590	0.0050	mg/kg wet	0.05000		118	70-130			
1,1,2,2-Tetrachloroethane	0.0448	0.0050	mg/kg wet	0.05000		90	70-130			
1,1,2-Trichloroethane	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
1,1-Dichloroethane	0.0565	0.0050	mg/kg wet	0.05000		113	70-130			
1,1-Dichloroethene	0.0625	0.0050	mg/kg wet	0.05000		125	70-130			
1,1-Dichloropropene	0.0616	0.0050	mg/kg wet	0.05000		123	70-130			
1,2,3-Trichlorobenzene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
1,2,3-Trichloropropane	0.0414	0.0050	mg/kg wet	0.05000		83	70-130			
1,2,4-Trichlorobenzene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
1,2,4-Trimethylbenzene	0.0585	0.0050	mg/kg wet	0.05000		117	70-130			
1,2-Dibromo-3-Chloropropane	0.0376	0.0050	mg/kg wet	0.05000		75	70-130			
1,2-Dibromoethane	0.0464	0.0050	mg/kg wet	0.05000		93	70-130			
1,2-Dichlorobenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
1,2-Dichloroethane	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
1,2-Dichloropropane	0.0560	0.0050	mg/kg wet	0.05000		112	70-130			
1,3,5-Trimethylbenzene	0.0571	0.0050	mg/kg wet	0.05000		114	70-130			
1,3-Dichlorobenzene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
1,3-Dichloropropane	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
1,4-Dichlorobenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130			
1,4-Dioxane	0.695	0.100	mg/kg wet	1.000		69	70-130			B-
1-Chlorohexane	0.0565	0.0050	mg/kg wet	0.05000		113	70-130			
2,2-Dichloropropane	0.0599	0.0050	mg/kg wet	0.05000		120	70-130			
2-Butanone	0.220	0.0500	mg/kg wet	0.2500		88	70-130			
2-Chlorotoluene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130			
2-Hexanone	0.196	0.0500	mg/kg wet	0.2500		78	70-130			
4-Chlorotoluene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
4-Isopropyltoluene	0.0558	0.0050	mg/kg wet	0.05000		112	70-130			
4-Methyl-2-Pentanone	0.217	0.0500	mg/kg wet	0.2500		87	70-130			
Acetone	0.164	0.0500	mg/kg wet	0.2500		66	70-130			B-
Benzene	0.0574	0.0050	mg/kg wet	0.05000		115	70-130			
Bromobenzene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
Bromochloromethane	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			
Bromodichloromethane	0.0539	0.0050	mg/kg wet	0.05000		108	70-130			
Bromoform	0.0360	0.0050	mg/kg wet	0.05000		72	70-130			
Bromomethane	0.0511	0.0100	mg/kg wet	0.05000		102	70-130			
Carbon Disulfide	0.0607	0.0050	mg/kg wet	0.05000		121	70-130			
Carbon Tetrachloride	0.0603	0.0050	mg/kg wet	0.05000		121	70-130			
Chlorobenzene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130			
Chloroethane	0.0548	0.0100	mg/kg wet	0.05000		110	70-130			
Chloroform	0.0562	0.0050	mg/kg wet	0.05000		112	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DF02651 - 5035										
Chloromethane	0.0535	0.0100	mg/kg wet	0.05000		107	70-130			
cis-1,2-Dichloroethene	0.0578	0.0050	mg/kg wet	0.05000		116	70-130			
cis-1,3-Dichloropropene	0.0587	0.0050	mg/kg wet	0.05000		117	70-130			
Dibromochloromethane	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
Dibromomethane	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
Dichlorodifluoromethane	0.0497	0.0100	mg/kg wet	0.05000		99	70-130			
Diethyl Ether	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
Di-isopropyl ether	0.0557	0.0050	mg/kg wet	0.05000		111	70-130			
Ethyl tertiary-butyl ether	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
Ethylbenzene	0.0566	0.0050	mg/kg wet	0.05000		113	70-130			
Hexachlorobutadiene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130			
Isopropylbenzene	0.0583	0.0050	mg/kg wet	0.05000		117	70-130			
Methyl tert-Butyl Ether	0.0539	0.0050	mg/kg wet	0.05000		108	70-130			
Methylene Chloride	0.0592	0.0250	mg/kg wet	0.05000		118	70-130			
Naphthalene	0.0437	0.0050	mg/kg wet	0.05000		87	70-130			
n-Butylbenzene	0.0601	0.0050	mg/kg wet	0.05000		120	70-130			
n-Propylbenzene	0.0589	0.0050	mg/kg wet	0.05000		118	70-130			
sec-Butylbenzene	0.0566	0.0050	mg/kg wet	0.05000		113	70-130			
Styrene	0.0536	0.0050	mg/kg wet	0.05000		107	70-130			
tert-Butylbenzene	0.0575	0.0050	mg/kg wet	0.05000		115	70-130			
Tertiary-amyl methyl ether	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
Tetrachloroethene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
Tetrahydrofuran	0.0407	0.0050	mg/kg wet	0.05000		81	70-130			
Toluene	0.0575	0.0050	mg/kg wet	0.05000		115	70-130			
trans-1,2-Dichloroethene	0.0590	0.0050	mg/kg wet	0.05000		118	70-130			
trans-1,3-Dichloropropene	0.0462	0.0050	mg/kg wet	0.05000		92	70-130			
Trichloroethene	0.0565	0.0050	mg/kg wet	0.05000		113	70-130			
Trichlorofluoromethane	0.0598	0.0050	mg/kg wet	0.05000		120	70-130			
Vinyl Acetate	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
Vinyl Chloride	0.0543	0.0100	mg/kg wet	0.05000		109	70-130			
Xylene O	0.0545	0.0050	mg/kg wet	0.05000		109	70-130			
Xylene P,M	0.112	0.0100	mg/kg wet	0.1000		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0458*		mg/kg wet	*0.05000*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0497*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0511*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.0496*		mg/kg wet	*0.05000*		*99*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0557	0.0050	mg/kg wet	0.05000		111	70-130	3	25	
1,1,1-Trichloroethane	0.0567	0.0050	mg/kg wet	0.05000		113	70-130	4	25	
1,1,2,2-Tetrachloroethane	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	12	25	
1,1,2-Trichloroethane	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	9	25	
1,1-Dichloroethane	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	0.4	25	
1,1-Dichloroethene	0.0608	0.0050	mg/kg wet	0.05000		122	70-130	3	25	
1,1-Dichloropropene	0.0600	0.0050	mg/kg wet	0.05000		120	70-130	3	25	
1,2,3-Trichlorobenzene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	8	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DF02651 - 5035										
1,2,3-Trichloropropane	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	16	25	
1,2,4-Trichlorobenzene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	4	25	
1,2,4-Trimethylbenzene	0.0573	0.0050	mg/kg wet	0.05000		115	70-130	2	25	
1,2-Dibromo-3-Chloropropane	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	25	25	
1,2-Dibromoethane	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	15	25	
1,2-Dichlorobenzene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	2	25	
1,2-Dichloroethane	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	8	25	
1,2-Dichloropropane	0.0571	0.0050	mg/kg wet	0.05000		114	70-130	2	25	
1,3,5-Trimethylbenzene	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	2	25	
1,3-Dichlorobenzene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	0.1	25	
1,3-Dichloropropane	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	10	25	
1,4-Dichlorobenzene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	0.2	25	
1,4-Dioxane	1.01	0.100	mg/kg wet	1.000		101	70-130	37	20	D+
1-Chlorohexane	0.0550	0.0050	mg/kg wet	0.05000		110	70-130	3	25	
2,2-Dichloropropane	0.0576	0.0050	mg/kg wet	0.05000		115	70-130	4	25	
2-Butanone	0.258	0.0500	mg/kg wet	0.2500		103	70-130	16	25	
2-Chlorotoluene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	3	25	
2-Hexanone	0.247	0.0500	mg/kg wet	0.2500		99	70-130	23	25	
4-Chlorotoluene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	0.4	25	
4-Isopropyltoluene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	3	25	
4-Methyl-2-Pentanone	0.264	0.0500	mg/kg wet	0.2500		106	70-130	20	25	
Acetone	0.232	0.0500	mg/kg wet	0.2500		93	70-130	34	25	D+
Benzene	0.0569	0.0050	mg/kg wet	0.05000		114	70-130	0.9	25	
Bromobenzene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	0.8	25	
Bromochloromethane	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	5	25	
Bromodichloromethane	0.0560	0.0050	mg/kg wet	0.05000		112	70-130	4	25	
Bromoform	0.0322	0.0050	mg/kg wet	0.05000		64	70-130	11	25	B-
Bromomethane	0.0540	0.0100	mg/kg wet	0.05000		108	70-130	6	25	
Carbon Disulfide	0.0586	0.0050	mg/kg wet	0.05000		117	70-130	4	25	
Carbon Tetrachloride	0.0583	0.0050	mg/kg wet	0.05000		117	70-130	3	25	
Chlorobenzene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	2	25	
Chloroethane	0.0541	0.0100	mg/kg wet	0.05000		108	70-130	1	25	
Chloroform	0.0563	0.0050	mg/kg wet	0.05000		113	70-130	0.3	25	
Chloromethane	0.0531	0.0100	mg/kg wet	0.05000		106	70-130	0.6	25	
cis-1,2-Dichloroethene	0.0582	0.0050	mg/kg wet	0.05000		116	70-130	0.7	25	
cis-1,3-Dichloropropene	0.0621	0.0050	mg/kg wet	0.05000		124	70-130	6	25	
Dibromochloromethane	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	9	25	
Dibromomethane	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	10	25	
Dichlorodifluoromethane	0.0473	0.0100	mg/kg wet	0.05000		95	70-130	5	25	
Diethyl Ether	0.0573	0.0050	mg/kg wet	0.05000		115	70-130	10	25	
Di-isopropyl ether	0.0577	0.0050	mg/kg wet	0.05000		115	70-130	3	25	
Ethyl tertiary-butyl ether	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	7	25	
Ethylbenzene	0.0560	0.0050	mg/kg wet	0.05000		112	70-130	1	25	
Hexachlorobutadiene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	2	25	
Isopropylbenzene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130	4	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DF02651 - 5035										
Methyl tert-Butyl Ether	0.0597	0.0050	mg/kg wet	0.05000		119	70-130	10	25	
Methylene Chloride	0.0609	0.0250	mg/kg wet	0.05000		122	70-130	3	25	
Naphthalene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	15	25	
n-Butylbenzene	0.0579	0.0050	mg/kg wet	0.05000		116	70-130	4	25	
n-Propylbenzene	0.0565	0.0050	mg/kg wet	0.05000		113	70-130	4	25	
sec-Butylbenzene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	4	25	
Styrene	0.0558	0.0050	mg/kg wet	0.05000		112	70-130	4	25	
tert-Butylbenzene	0.0557	0.0050	mg/kg wet	0.05000		111	70-130	3	25	
Tertiary-amyl methyl ether	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	8	25	
Tetrachloroethene	0.0469	0.0050	mg/kg wet	0.05000		94	70-130	1	25	
Tetrahydrofuran	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	25	25	
Toluene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	2	25	
trans-1,2-Dichloroethene	0.0586	0.0050	mg/kg wet	0.05000		117	70-130	0.6	25	
trans-1,3-Dichloropropene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	9	25	
Trichloroethene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130	0.7	25	
Trichlorofluoromethane	0.0576	0.0050	mg/kg wet	0.05000		115	70-130	4	25	
Vinyl Acetate	0.0614	0.0050	mg/kg wet	0.05000		123	70-130	18	25	
Vinyl Chloride	0.0518	0.0100	mg/kg wet	0.05000		104	70-130	5	25	
Xylene O	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	0.5	25	
Xylene P,M	0.112	0.0100	mg/kg wet	0.1000		112	70-130	0.04	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0480*		mg/kg wet	*0.05000*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0504*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0507*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0495*		mg/kg wet	*0.05000*		*99*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch DF02449 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*5.60*		mg/kg wet	*5.000*		*112*	*40-140*			
LCS										

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DF02449 - 3546										
Decane (C10)	2.3	0.2	mg/kg wet	2.500		90	40-140			
Docosane (C22)	2.6	0.2	mg/kg wet	2.500		103	40-140			
Dodecane (C12)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Eicosane (C20)	2.5	0.2	mg/kg wet	2.500		102	40-140			
Hexacosane (C26)	2.6	0.2	mg/kg wet	2.500		106	40-140			
Hexadecane (C16)	2.4	0.2	mg/kg wet	2.500		98	40-140			
Nonadecane (C19)	2.6	0.2	mg/kg wet	2.500		103	40-140			
Nonane (C9)	2.0	0.2	mg/kg wet	2.500		78	30-140			
Octacosane (C28)	2.7	0.2	mg/kg wet	2.500		108	40-140			
Octadecane (C18)	2.5	0.2	mg/kg wet	2.500		99	40-140			
Tetracosane (C24)	2.6	0.2	mg/kg wet	2.500		104	40-140			
Tetradecane (C14)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Total Petroleum Hydrocarbons	36.6	37.5	mg/kg wet	35.00		105	40-140			
Triacontane (C30)	2.7	0.2	mg/kg wet	2.500		107	40-140			
Surrogate: O-Terphenyl	*5.25*		mg/kg wet	*5.000*		*105*	*40-140*			
LCS Dup										
Decane (C10)	2.0	0.2	mg/kg wet	2.500		81	40-140	11	25	
Docosane (C22)	2.5	0.2	mg/kg wet	2.500		99	40-140	4	25	
Dodecane (C12)	2.2	0.2	mg/kg wet	2.500		86	40-140	6	25	
Eicosane (C20)	2.4	0.2	mg/kg wet	2.500		97	40-140	4	25	
Hexacosane (C26)	2.5	0.2	mg/kg wet	2.500		100	40-140	5	25	
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		93	40-140	5	25	
Nonadecane (C19)	2.5	0.2	mg/kg wet	2.500		101	40-140	2	25	
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		72	30-140	9	25	
Octacosane (C28)	2.6	0.2	mg/kg wet	2.500		102	40-140	5	25	
Octadecane (C18)	2.4	0.2	mg/kg wet	2.500		96	40-140	4	25	
Tetracosane (C24)	2.5	0.2	mg/kg wet	2.500		100	40-140	5	25	
Tetradecane (C14)	2.3	0.2	mg/kg wet	2.500		91	40-140	5	25	
Total Petroleum Hydrocarbons	34.4	37.5	mg/kg wet	35.00		98	40-140	6	25	
Triacontane (C30)	2.5	0.2	mg/kg wet	2.500		101	40-140	5	25	
Surrogate: O-Terphenyl	*4.92*		mg/kg wet	*5.000*		*98*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DF02446 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DF02446 - 3546										
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DF02446 - 3546										
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.14*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.46*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.49*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.29*		mg/kg wet	*3.333*		*69*	*30-130*			
Surrogate: 2-Fluorophenol	*3.62*		mg/kg wet	*5.000*		*72*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.29*		mg/kg wet	*3.333*		*69*	*30-130*			
Surrogate: Phenol-d6	*3.34*		mg/kg wet	*5.000*		*67*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.16*		mg/kg wet	*3.333*		*95*	*30-130*			
LCS										
1,1-Biphenyl	2.21	0.333	mg/kg wet	3.333		66	40-140			
1,2,4-Trichlorobenzene	2.38	0.333	mg/kg wet	3.333		72	40-140			
1,2-Dichlorobenzene	2.30	0.333	mg/kg wet	3.333		69	40-140			
1,3-Dichlorobenzene	2.32	0.333	mg/kg wet	3.333		70	40-140			
1,4-Dichlorobenzene	2.31	0.333	mg/kg wet	3.333		69	40-140			
2,3,4,6-Tetrachlorophenol	2.44	1.67	mg/kg wet	3.333		73	30-130			
2,4,5-Trichlorophenol	2.64	0.333	mg/kg wet	3.333		79	30-130			
2,4,6-Trichlorophenol	2.53	0.333	mg/kg wet	3.333		76	30-130			
2,4-Dichlorophenol	2.57	0.333	mg/kg wet	3.333		77	30-130			
2,4-Dimethylphenol	2.58	0.333	mg/kg wet	3.333		78	30-130			
2,4-Dinitrophenol	3.32	1.67	mg/kg wet	3.333		100	30-130			
2,4-Dinitrotoluene	2.74	0.333	mg/kg wet	3.333		82	40-140			
2,6-Dinitrotoluene	2.61	0.333	mg/kg wet	3.333		78	40-140			
2-Chloronaphthalene	2.30	0.333	mg/kg wet	3.333		69	40-140			
2-Chlorophenol	2.46	0.333	mg/kg wet	3.333		74	30-130			
2-Methylnaphthalene	2.28	0.333	mg/kg wet	3.333		68	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DF02446 - 3546										
2-Methylphenol	2.35	0.333	mg/kg wet	3.333		70	30-130			
2-Nitroaniline	2.44	0.333	mg/kg wet	3.333		73	40-140			
2-Nitrophenol	2.34	0.333	mg/kg wet	3.333		70	30-130			
3,3´-Dichlorobenzidine	2.39	0.667	mg/kg wet	3.333		72	40-140			
3+4-Methylphenol	4.95	0.667	mg/kg wet	6.667		74	30-130			
3-Nitroaniline	2.61	0.333	mg/kg wet	3.333		78	40-140			
4,6-Dinitro-2-Methylphenol	3.28	1.67	mg/kg wet	3.333		98	30-130			
4-Bromophenyl-phenylether	2.74	0.333	mg/kg wet	3.333		82	40-140			
4-Chloro-3-Methylphenol	2.57	0.333	mg/kg wet	3.333		77	30-130			
4-Chloroaniline	2.01	0.667	mg/kg wet	3.333		60	40-140			
4-Chloro-phenyl-phenyl ether	2.54	0.333	mg/kg wet	3.333		76	40-140			
4-Nitroaniline	2.74	0.333	mg/kg wet	3.333		82	40-140			
4-Nitrophenol	2.84	1.67	mg/kg wet	3.333		85	30-130			
Acenaphthene	2.33	0.333	mg/kg wet	3.333		70	40-140			
Acenaphthylene	2.46	0.333	mg/kg wet	3.333		74	40-140			
Acetophenone	2.27	0.667	mg/kg wet	3.333		68	40-140			
Aniline	1.82	0.667	mg/kg wet	3.333		55	40-140			
Anthracene	2.57	0.333	mg/kg wet	3.333		77	40-140			
Azobenzene	2.45	0.333	mg/kg wet	3.333		74	40-140			
Benzo(a)anthracene	2.70	0.333	mg/kg wet	3.333		81	40-140			
Benzo(a)pyrene	2.75	0.167	mg/kg wet	3.333		83	40-140			
Benzo(b)fluoranthene	2.52	0.333	mg/kg wet	3.333		76	40-140			
Benzo(g,h,i)perylene	2.66	0.333	mg/kg wet	3.333		80	40-140			
Benzo(k)fluoranthene	2.81	0.333	mg/kg wet	3.333		84	40-140			
Benzoic Acid	2.89	1.67	mg/kg wet	3.333		87	40-140			
Benzyl Alcohol	2.05	0.333	mg/kg wet	3.333		62	40-140			
bis(2-Chloroethoxy)methane	2.41	0.333	mg/kg wet	3.333		72	40-140			
bis(2-Chloroethyl)ether	2.40	0.333	mg/kg wet	3.333		72	40-140			
bis(2-chloroisopropyl)Ether	2.19	0.333	mg/kg wet	3.333		66	40-140			
bis(2-Ethylhexyl)phthalate	2.82	0.333	mg/kg wet	3.333		85	40-140			
Butylbenzylphthalate	2.89	0.333	mg/kg wet	3.333		87	40-140			
Carbazole	2.66	0.333	mg/kg wet	3.333		80	40-140			
Chrysene	2.74	0.167	mg/kg wet	3.333		82	40-140			
Dibenzo(a,h)Anthracene	2.71	0.167	mg/kg wet	3.333		81	40-140			
Dibenzofuran	2.39	0.333	mg/kg wet	3.333		72	40-140			
Diethylphthalate	2.62	0.333	mg/kg wet	3.333		79	40-140			
Dimethylphthalate	2.54	0.333	mg/kg wet	3.333		76	40-140			
Di-n-butylphthalate	2.79	0.333	mg/kg wet	3.333		84	40-140			
Di-n-octylphthalate	2.74	0.333	mg/kg wet	3.333		82	40-140			
Fluoranthene	2.68	0.333	mg/kg wet	3.333		81	40-140			
Fluorene	2.51	0.333	mg/kg wet	3.333		75	40-140			
Hexachlorobenzene	2.66	0.167	mg/kg wet	3.333		80	40-140			
Hexachlorobutadiene	2.41	0.333	mg/kg wet	3.333		72	40-140			
Hexachlorocyclopentadiene	2.47	1.67	mg/kg wet	3.333		74	40-140			
Hexachloroethane	2.24	0.333	mg/kg wet	3.333		67	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DF02446 - 3546										
Indeno(1,2,3-cd)Pyrene	2.68	0.333	mg/kg wet	3.333		80	40-140			
Isophorone	2.17	0.333	mg/kg wet	3.333		65	40-140			
Naphthalene	2.36	0.333	mg/kg wet	3.333		71	40-140			
Nitrobenzene	2.46	0.333	mg/kg wet	3.333		74	40-140			
N-Nitrosodimethylamine	2.22	0.333	mg/kg wet	3.333		67	40-140			
N-Nitroso-Di-n-Propylamine	2.27	0.333	mg/kg wet	3.333		68	40-140			
N-nitrosodiphenylamine	2.60	0.333	mg/kg wet	3.333		78	40-140			
Pentachlorophenol	3.33	1.67	mg/kg wet	3.333		100	30-130			
Phenanthrene	2.60	0.333	mg/kg wet	3.333		78	40-140			
Phenol	2.49	0.333	mg/kg wet	3.333		75	30-130			
Pyrene	2.73	0.333	mg/kg wet	3.333		82	40-140			
Pyridine	2.35	1.67	mg/kg wet	3.333		70	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.26*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.07*		mg/kg wet	*5.000*		*81*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.77*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.46*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*3.82*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.50*		mg/kg wet	*3.333*		*75*	*30-130*			
Surrogate: Phenol-d6	*3.65*		mg/kg wet	*5.000*		*73*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.04*		mg/kg wet	*3.333*		*91*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.22	0.333	mg/kg wet	3.333		67	40-140	0.3	30	
1,2,4-Trichlorobenzene	2.39	0.333	mg/kg wet	3.333		72	40-140	0.2	30	
1,2-Dichlorobenzene	2.30	0.333	mg/kg wet	3.333		69	40-140	0.07	30	
1,3-Dichlorobenzene	2.30	0.333	mg/kg wet	3.333		69	40-140	1	30	
1,4-Dichlorobenzene	2.30	0.333	mg/kg wet	3.333		69	40-140	0.3	30	
2,3,4,6-Tetrachlorophenol	2.54	1.67	mg/kg wet	3.333		76	30-130	4	30	
2,4,5-Trichlorophenol	2.68	0.333	mg/kg wet	3.333		80	30-130	2	30	
2,4,6-Trichlorophenol	2.59	0.333	mg/kg wet	3.333		78	30-130	2	30	
2,4-Dichlorophenol	2.63	0.333	mg/kg wet	3.333		79	30-130	2	30	
2,4-Dimethylphenol	2.64	0.333	mg/kg wet	3.333		79	30-130	2	30	
2,4-Dinitrophenol	3.48	1.67	mg/kg wet	3.333		104	30-130	5	30	
2,4-Dinitrotoluene	2.83	0.333	mg/kg wet	3.333		85	40-140	3	30	
2,6-Dinitrotoluene	2.68	0.333	mg/kg wet	3.333		80	40-140	3	30	
2-Chloronaphthalene	2.32	0.333	mg/kg wet	3.333		70	40-140	1	30	
2-Chlorophenol	2.49	0.333	mg/kg wet	3.333		75	30-130	1	30	
2-Methylnaphthalene	2.32	0.333	mg/kg wet	3.333		70	40-140	2	30	
2-Methylphenol	2.37	0.333	mg/kg wet	3.333		71	30-130	1	30	
2-Nitroaniline	2.52	0.333	mg/kg wet	3.333		76	40-140	3	30	
2-Nitrophenol	2.41	0.333	mg/kg wet	3.333		72	30-130	3	30	
3,3´-Dichlorobenzidine	2.49	0.667	mg/kg wet	3.333		75	40-140	4	30	
3+4-Methylphenol	5.11	0.667	mg/kg wet	6.667		77	30-130	3	30	
3-Nitroaniline	2.68	0.333	mg/kg wet	3.333		80	40-140	3	30	
4,6-Dinitro-2-Methylphenol	3.43	1.67	mg/kg wet	3.333		103	30-130	5	30	
4-Bromophenyl-phenylether	2.79	0.333	mg/kg wet	3.333		84	40-140	2	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DF02446 - 3546										
4-Chloro-3-Methylphenol	2.64	0.333	mg/kg wet	3.333		79	30-130	3	30	
4-Chloroaniline	2.04	0.667	mg/kg wet	3.333		61	40-140	2	30	
4-Chloro-phenyl-phenyl ether	2.62	0.333	mg/kg wet	3.333		79	40-140	3	30	
4-Nitroaniline	2.85	0.333	mg/kg wet	3.333		85	40-140	4	30	
4-Nitrophenol	2.94	1.67	mg/kg wet	3.333		88	30-130	3	30	
Acenaphthene	2.36	0.333	mg/kg wet	3.333		71	40-140	1	30	
Acenaphthylene	2.48	0.333	mg/kg wet	3.333		74	40-140	1	30	
Acetophenone	2.30	0.667	mg/kg wet	3.333		69	40-140	2	30	
Aniline	1.85	0.667	mg/kg wet	3.333		55	40-140	1	30	
Anthracene	2.66	0.333	mg/kg wet	3.333		80	40-140	3	30	
Azobenzene	2.46	0.333	mg/kg wet	3.333		74	40-140	0.3	30	
Benzo(a)anthracene	2.81	0.333	mg/kg wet	3.333		84	40-140	4	30	
Benzo(a)pyrene	2.86	0.167	mg/kg wet	3.333		86	40-140	4	30	
Benzo(b)fluoranthene	2.83	0.333	mg/kg wet	3.333		85	40-140	11	30	
Benzo(g,h,i)perylene	2.71	0.333	mg/kg wet	3.333		81	40-140	2	30	
Benzo(k)fluoranthene	2.65	0.333	mg/kg wet	3.333		80	40-140	6	30	
Benzoic Acid	2.98	1.67	mg/kg wet	3.333		89	40-140	3	30	
Benzyl Alcohol	2.11	0.333	mg/kg wet	3.333		63	40-140	3	30	
bis(2-Chloroethoxy)methane	2.46	0.333	mg/kg wet	3.333		74	40-140	2	30	
bis(2-Chloroethyl)ether	2.42	0.333	mg/kg wet	3.333		73	40-140	1	30	
bis(2-chloroisopropyl)Ether	2.19	0.333	mg/kg wet	3.333		66	40-140	0.2	30	
bis(2-Ethylhexyl)phthalate	2.90	0.333	mg/kg wet	3.333		87	40-140	3	30	
Butylbenzylphthalate	3.02	0.333	mg/kg wet	3.333		91	40-140	4	30	
Carbazole	2.72	0.333	mg/kg wet	3.333		82	40-140	2	30	
Chrysene	2.83	0.167	mg/kg wet	3.333		85	40-140	3	30	
Dibenzo(a,h)Anthracene	2.79	0.167	mg/kg wet	3.333		84	40-140	3	30	
Dibenzofuran	2.41	0.333	mg/kg wet	3.333		72	40-140	1	30	
Diethylphthalate	2.68	0.333	mg/kg wet	3.333		80	40-140	2	30	
Dimethylphthalate	2.59	0.333	mg/kg wet	3.333		78	40-140	2	30	
Di-n-butylphthalate	2.82	0.333	mg/kg wet	3.333		85	40-140	1	30	
Di-n-octylphthalate	2.80	0.333	mg/kg wet	3.333		84	40-140	2	30	
Fluoranthene	2.70	0.333	mg/kg wet	3.333		81	40-140	0.5	30	
Fluorene	2.59	0.333	mg/kg wet	3.333		78	40-140	3	30	
Hexachlorobenzene	2.72	0.167	mg/kg wet	3.333		82	40-140	2	30	
Hexachlorobutadiene	2.41	0.333	mg/kg wet	3.333		72	40-140	0.01	30	
Hexachlorocyclopentadiene	2.45	1.67	mg/kg wet	3.333		74	40-140	0.7	30	
Hexachloroethane	2.24	0.333	mg/kg wet	3.333		67	40-140	0.2	30	
Indeno(1,2,3-cd)Pyrene	2.76	0.333	mg/kg wet	3.333		83	40-140	3	30	
Isophorone	2.20	0.333	mg/kg wet	3.333		66	40-140	1	30	
Naphthalene	2.37	0.333	mg/kg wet	3.333		71	40-140	0.4	30	
Nitrobenzene	2.45	0.333	mg/kg wet	3.333		74	40-140	0.3	30	
N-Nitrosodimethylamine	2.17	0.333	mg/kg wet	3.333		65	40-140	3	30	
N-Nitroso-Di-n-Propylamine	2.29	0.333	mg/kg wet	3.333		69	40-140	1	30	
N-nitrosodiphenylamine	2.66	0.333	mg/kg wet	3.333		80	40-140	2	30	
Pentachlorophenol	3.43	1.67	mg/kg wet	3.333		103	30-130	3	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DF02446 - 3546										
Phenanthrene	2.66	0.333	mg/kg wet	3.333		80	40-140	3	30	
Phenol	2.53	0.333	mg/kg wet	3.333		76	30-130	1	30	
Pyrene	2.88	0.333	mg/kg wet	3.333		86	40-140	5	30	
Pyridine	2.27	1.67	mg/kg wet	3.333		68	40-140	3	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.20*		mg/kg wet	*3.333*		*66*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.14*		mg/kg wet	*5.000*		*83*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.71*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.42*		mg/kg wet	*3.333*		*72*	*30-130*			
Surrogate: 2-Fluorophenol	*3.71*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.45*		mg/kg wet	*3.333*		*73*	*30-130*			
Surrogate: Phenol-d6	*3.60*		mg/kg wet	*5.000*		*72*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.11*		mg/kg wet	*3.333*		*93*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
D+	Relative percent difference for duplicate is outside of criteria (D+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: Client

ESS Project ID: 20F0959
Date Received: 6/25/2020
Project Due Date: 6/26/2020
Days for Project: 1 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 2.3 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** (Yes) No / NA
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? Yes (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? (Yes) No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) No / NA
13. Are the samples properly preserved? (Yes) No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 6/25/20 Time: 1312 By: [illegible]

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	59015	Yes	N/A	Yes	8 oz jar	NP	
1	59016	Yes	N/A	Yes	8 oz jar	NP	
1	59017	Yes	N/A	Yes	VOA Vial	MeOH	
1	59018	Yes	N/A	Yes	VOA Vial	DI Water	
1	59019	Yes	N/A	Yes	VOA Vial	DI Water	
2	59013	Yes	N/A	Yes	4 oz. Jar	NP	
3	59014	Yes	N/A	Yes	4 oz. Jar	NP	

2nd Review
Were all containers scanned into storage/lab? Initials [illegible]
Are barcode labels on correct containers? Yes / No
Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA
Are all Hex Chrome stickers attached? Yes / No / NA
Are all QC stickers attached? Yes / No / NA
Are VOA stickers attached if bubbles noted? Yes / No / NA

Completed By: [illegible] Date & Time: 6/25/20 1312
Reviewed

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 20F0959

Date Received: 6/25/2020

By: Date & Time: 6/25/20 1312

Delivered By: 6/25/20 1312

CHAIN OF CUSTODY

185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

ESS Lab # 20F0956 | Page 1 of 1

Turn Time: ☐>5 ☐5 ☐4 ☐3 ☐2 ☒1 ☐ Same Day
Regulatory State: RI Criteria:
Is this project for any of the following?:
☐ CT RCP ☐ MA MCP ☐ RGP ☐ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF)
☐ Limit Checker ☐ State Forms ☐ EQuIS
☐ Excel ☐ Hard Copy ☐ Enviro Data
☐ CLP-Like Package ☐ Other (Specify) →

CLIENT INFORMATION

Client: GZA
Address: 100 VALLEY ST
PROVIDENCE, R.I.
Phone: 401-374-2305
Email Distribution List:
mdalpe@GZA.COM
ELIZABETH-LUX@GZA-COM

PROJECT INFORMATION

Project Name: FPLP / NORID
Project Location: 642 Allens Ave
Project Number: PROV. / RI. 33564.04 TASK 6.
Project Manager: SARA HAUPT
Bill to:
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	VOC 8260	SVOC 8270	TPH 8100M	Total Metals (PP13)	TCLP Metals (As, Pb)	Arsenic	Total Number of Bottles
1	6/25/20	1130	COMP	SOIL	SP062520-1	X	X	X	X			
2	↓	↓	↓	↓	SP062520-2						X	
3	↓	↓	↓	↓	SP062520-3						X	

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*

Chain needs to be filled out neatly and completely for on time delivery.

Sampled by :

Laboratory Use Only
Cooler Temperature (°C): 2.3

Comments: * Please specify "Other" preservative and containers types in this space
1. 24-HR. TURN-AROUND TIME PLEASE.
2. PP 13 Metals

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration
☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
[signature]	6/25/20	1739	[signature]				
Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)

CERTIFICATE OF ANALYSIS

Sophia Narkiewicz
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: 642 Allens Ave (03.0033554)
ESS Laboratory Work Order Number: 20G0354

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 5:36 pm, Jul 16, 2020

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

SAMPLE RECEIPT

The following samples were received on July 14, 2020 for the analyses specified on the enclosed Chain of Custody Record.

Revision 1 July 16, 2020: This report has been revised to include lowered reporting limit for Beryllium for 20G0354-01.

Lab Number	Sample Name	Matrix	Analysis
20G0354-01	PJ Keating 1.5in Dense Grade Pile E S-1	Soil	6010C, 6020A, 7010, 7471B, 8100M, 8260B Low, 8270D
20G0354-02	PJ Keating 1.5in Dense Grade Pile E AS-1	Soil	7010
20G0354-03	PJ Keating 1.5in Dense Grade Pile E AS-2	Soil	7010
20G0354-04	PJ Keating 1.5in Dense Grade Pile E AS-3	Soil	7010

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

DG01445-BS1 **Blank Spike recovery is above upper control limit (B+).**
Acetone (146% @ 70-130%)

DG01445-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
Acetone (44% @ 25%)

8270D Semi-Volatile Organic Compounds

D0G0192-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (109% @ 80-120%), 4,6-Dinitro-2-Methylphenol (106% @ 80-120%), Benzoic Acid (96% @ 80-120%)

D0G0192-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Hexachlorocyclopentadiene (21% @ 20%)

Total Metals

DG01404-BS5 **Blank Spike recovery is below lower control limit (B-).**
Thallium (105% @ 80-120%)

DG01404-BSD3 **Blank Spike recovery is above upper control limit (B+).**
Antimony (236% @ 40-160%)

DG01404-BSD3 **Blank Spike recovery is below lower control limit (B-).**
Chromium (43% @ 80-120%), Copper (47% @ 73-127%), Nickel (36% @ 65-132%), Selenium (24% @ 52-147%), Zinc (49% @ 80-120%)

DG01404-BSD3 **Relative percent difference for duplicate is outside of criteria (D+).**
Antimony (97% @ 30%), Copper (67% @ 30%), Nickel (92% @ 30%), Selenium (125% @ 30%), Silver (48% @ 30%), Zinc (71% @ 30%)

DG01404-BSD5 **Relative percent difference for duplicate is outside of criteria (D+).**
Thallium (46% @ 30%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E S-1
Date Sampled: 07/14/20 09:15
Percent Solids: 98

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (2.12)		6020A		5	NAR	07/15/20 14:46	2.41	100	DG01404
Arsenic	ND (1.06)		7010		1	KJK	07/15/20 14:28	2.41	100	DG01404
Beryllium	**0.16** (0.09)		6010C		1	KJK	07/16/20 11:22	2.41	100	DG01404
Cadmium	ND (2.12)		6020A		5	NAR	07/15/20 14:46	2.41	100	DG01404
Chromium	**121** (4.23)		6020A		5	NAR	07/15/20 14:46	2.41	100	DG01404
Copper	**133** (10.6)		6020A		5	NAR	07/15/20 14:46	2.41	100	DG01404
Lead	**39.3** (2.12)		6020A		5	NAR	07/15/20 14:46	2.41	100	DG01404
Mercury	ND (0.029)		7471B		1	MKS	07/15/20 8:52	0.69	40	DG01405
Nickel	**85.3** (2.12)		6020A		5	NAR	07/15/20 14:46	2.41	100	DG01404
Selenium	ND (2.12)		6020A		5	NAR	07/15/20 14:46	2.41	100	DG01404
Silver	ND (2.12)		6020A		5	NAR	07/15/20 14:46	2.41	100	DG01404
Thallium	ND (2.12)		6020A		5	NAR	07/15/20 14:46	2.41	100	DG01404
Zinc	**324** (4.23)		6020A		5	NAR	07/15/20 14:46	2.41	100	DG01404

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E S-1
Date Sampled: 07/14/20 09:15
Percent Solids: 98
Initial Volume: 6.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,1,1-Trichloroethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,1,2,2-Tetrachloroethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,1,2-Trichloroethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,1-Dichloroethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,1-Dichloroethene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,1-Dichloropropene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,2,3-Trichlorobenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,2,3-Trichloropropane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,2,4-Trichlorobenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,2,4-Trimethylbenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,2-Dibromo-3-Chloropropane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,2-Dibromoethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,2-Dichlorobenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,2-Dichloroethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,2-Dichloropropane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,3,5-Trimethylbenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,3-Dichlorobenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,3-Dichloropropane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,4-Dichlorobenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,4-Dioxane	ND (0.0739)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1-Chlorohexane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
2,2-Dichloropropane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
2-Butanone	ND (0.0370)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
2-Chlorotoluene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
2-Hexanone	ND (0.0370)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
4-Chlorotoluene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
4-Isopropyltoluene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
4-Methyl-2-Pentanone	ND (0.0370)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Acetone	ND (0.0370)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Benzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Bromobenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E S-1
Date Sampled: 07/14/20 09:15
Percent Solids: 98
Initial Volume: 6.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Bromodichloromethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Bromoform	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Bromomethane	ND (0.0074)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Carbon Disulfide	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Carbon Tetrachloride	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Chlorobenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Chloroethane	ND (0.0074)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Chloroform	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Chloromethane	ND (0.0074)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
cis-1,2-Dichloroethene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
cis-1,3-Dichloropropene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Dibromochloromethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Dibromomethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Dichlorodifluoromethane	ND (0.0074)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Diethyl Ether	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Di-isopropyl ether	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Ethyl tertiary-butyl ether	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Ethylbenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Hexachlorobutadiene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Isopropylbenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Methyl tert-Butyl Ether	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Methylene Chloride	ND (0.0185)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Naphthalene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
n-Butylbenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
n-Propylbenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
sec-Butylbenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Styrene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
tert-Butylbenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Tertiary-amyl methyl ether	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Tetrachloroethene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Tetrahydrofuran	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E S-1
Date Sampled: 07/14/20 09:15
Percent Solids: 98
Initial Volume: 6.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
trans-1,2-Dichloroethene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
trans-1,3-Dichloropropene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Trichloroethene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Trichlorofluoromethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Vinyl Acetate	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Vinyl Chloride	ND (0.0074)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Xylene O	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Xylene P,M	ND (0.0074)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Xylenes (Total)	ND (0.00739)		8260B Low		1	07/14/20 14:10		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*118 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*96 %*		*70-130*
Surrogate: Dibromofluoromethane	*112 %*		*70-130*
Surrogate: Toluene-d8	*101 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E S-1
Date Sampled: 07/14/20 09:15
Percent Solids: 98
Initial Volume: 19.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: NXL
Prepared: 7/14/20 10:55

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (40.1)		8100M		1	07/14/20 17:14	D0G0195	DG01409

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*93 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E S-1
Date Sampled: 07/14/20 09:15
Percent Solids: 98
Initial Volume: 15.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 7/14/20 10:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
1,2,4-Trichlorobenzene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
1,2-Dichlorobenzene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
1,3-Dichlorobenzene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
1,4-Dichlorobenzene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2,3,4,6-Tetrachlorophenol	ND (1.62)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2,4,5-Trichlorophenol	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2,4,6-Trichlorophenol	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2,4-Dichlorophenol	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2,4-Dimethylphenol	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2,4-Dinitrophenol	ND (1.62)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2,4-Dinitrotoluene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2,6-Dinitrotoluene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2-Chloronaphthalene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2-Chlorophenol	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2-Methylnaphthalene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2-Methylphenol	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2-Nitroaniline	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2-Nitrophenol	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
3,3′-Dichlorobenzidine	ND (0.646)		8270D		1	07/14/20 21:19	D0G0192	DG01408
3+4-Methylphenol	ND (0.646)		8270D		1	07/14/20 21:19	D0G0192	DG01408
3-Nitroaniline	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
4,6-Dinitro-2-Methylphenol	ND (1.62)		8270D		1	07/14/20 21:19	D0G0192	DG01408
4-Bromophenyl-phenylether	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
4-Chloro-3-Methylphenol	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
4-Chloroaniline	ND (0.646)		8270D		1	07/14/20 21:19	D0G0192	DG01408
4-Chloro-phenyl-phenyl ether	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
4-Nitroaniline	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
4-Nitrophenol	ND (1.62)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Acenaphthene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Acenaphthylene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Acetophenone	ND (0.646)		8270D		1	07/14/20 21:19	D0G0192	DG01408

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E S-1
Date Sampled: 07/14/20 09:15
Percent Solids: 98
Initial Volume: 15.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 7/14/20 10:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.646)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Anthracene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Azobenzene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Benzo(a)anthracene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Benzo(a)pyrene	ND (0.162)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Benzo(b)fluoranthene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Benzo(g,h,i)perylene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Benzo(k)fluoranthene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Benzoic Acid	ND (1.62)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Benzyl Alcohol	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
bis(2-Chloroethoxy)methane	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
bis(2-Chloroethyl)ether	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
bis(2-chloroisopropyl)Ether	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
bis(2-Ethylhexyl)phthalate	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Butylbenzylphthalate	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Carbazole	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Chrysene	ND (0.162)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Dibenzo(a,h)Anthracene	ND (0.162)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Dibenzofuran	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Diethylphthalate	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Dimethylphthalate	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Di-n-butylphthalate	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Di-n-octylphthalate	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Fluoranthene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Fluorene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Hexachlorobenzene	ND (0.162)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Hexachlorobutadiene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Hexachlorocyclopentadiene	ND (1.62)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Hexachloroethane	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Indeno(1,2,3-cd)Pyrene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Isophorone	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Naphthalene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E S-1
Date Sampled: 07/14/20 09:15
Percent Solids: 98
Initial Volume: 15.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 7/14/20 10:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
N-Nitrosodimethylamine	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
N-Nitroso-Di-n-Propylamine	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
N-nitrosodiphenylamine	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Pentachlorophenol	ND (1.62)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Phenanthrene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Phenol	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Pyrene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Pyridine	ND (1.62)		8270D		1	07/14/20 21:19	D0G0192	DG01408

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*66 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*78 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*70 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*74 %*		*30-130*
Surrogate: 2-Fluorophenol	*78 %*		*30-130*
Surrogate: Nitrobenzene-d5	*74 %*		*30-130*
Surrogate: Phenol-d6	*71 %*		*30-130*
Surrogate: p-Terphenyl-d14	*93 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E AS-1
Date Sampled: 07/14/20 09:25
Percent Solids: 98

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.15)		7010		1	KJK	07/15/20 14:40	2.21	100	DG01404

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E AS-2
Date Sampled: 07/14/20 09:35
Percent Solids: 98

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (0.80)		7010		1	KJK	07/15/20 14:45	3.18	100	DG01404

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E AS-3
Date Sampled: 07/14/20 09:45
Percent Solids: 98

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.04)		7010		1	KJK	07/15/20 14:51	2.44	100	DG01404

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DG01404 - 3050B										
Blank										
Beryllium	ND	0.11	mg/kg wet							
Blank										
Antimony	ND	0.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	1.44	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	0.50	mg/kg wet							
Nickel	ND	0.50	mg/kg wet							
Selenium	ND	0.50	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	0.50	mg/kg wet							
Zinc	ND	1.00	mg/kg wet							
Blank										
Arsenic	ND	0.25	mg/kg wet							
Arsenic	ND	0.25	mg/kg wet							
LCS										
Beryllium	118	0.35	mg/kg wet	117.0		101	80-120			
LCS										
Antimony	34.4	8.06	mg/kg wet	42.00		82	40-160			
Cadmium	122	8.06	mg/kg wet	118.0		103	69-130			
Chromium	258	16.1	mg/kg wet	299.0		86	80-120			
Copper	313	40.3	mg/kg wet	330.0		95	73-127			
Lead	146	8.06	mg/kg wet	144.0		101	69-130			
Nickel	164	8.06	mg/kg wet	171.0		96	65-132			
Selenium	162	8.06	mg/kg wet	154.0		105	52-147			
Silver	75.4	8.06	mg/kg wet	73.50		103	54-144			
Zinc	892	16.1	mg/kg wet	874.0		102	80-120			
LCS										
Arsenic	36.4	20.2	mg/kg wet	43.10		85	80-120			
Arsenic	36.4	20.2	mg/kg wet	43.10		85	80-120			
LCS										
Thallium	95.1	8.06	mg/kg wet	90.40		105	80-120			B-
LCS Dup										
Beryllium	118	0.31	mg/kg wet	117.0		101	80-120	0.2	20	
LCS Dup										
Antimony	99.0	8.06	mg/kg wet	42.00		236	40-160	97	30	B++
Cadmium	145	8.06	mg/kg wet	118.0		123	69-130	17	30	
Chromium	128	16.1	mg/kg wet	299.0		43	80-120	68	30	B-
Copper	157	40.3	mg/kg wet	330.0		47	73-127	67	30	B-+
Lead	110	8.06	mg/kg wet	144.0		76	69-130	28	30	
Nickel	60.8	8.06	mg/kg wet	171.0		36	65-132	92	30	B-+
Selenium	37.2	8.06	mg/kg wet	154.0		24	52-147	125	30	B-+

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DG01404 - 3050B										
Silver	46.4	8.06	mg/kg wet	73.50		63	54-144	48	30	D+
Zinc	425	16.1	mg/kg wet	874.0		49	80-120	71	30	D+, B-
LCS Dup										
Arsenic	36.0	17.6	mg/kg wet	43.10		84	80-120	1	20	
Arsenic	36.0	17.6	mg/kg wet	43.10		84	80-120	1	20	
LCS Dup										
Thallium	59.2	7.94	mg/kg wet	90.40		66	80-120	46	30	D+
Batch DG01405 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	23.9	3.25	mg/kg wet	26.60		90	80-120			
LCS Dup										
Mercury	22.1	3.05	mg/kg wet	26.60		83	80-120	8	20	
Reference										
Mercury	1.06	0.183	mg/kg wet	1000		0.1	0-200			
5035/8260B Volatile Organic Compounds / Low Level										
Batch DG01445 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DG01445 - 5035										
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DG01445 - 5035										
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0594*		mg/kg wet	*0.05000*		*119*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0486*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0556*		mg/kg wet	*0.05000*		*111*	*70-130*			
Surrogate: Toluene-d8	*0.0497*		mg/kg wet	*0.05000*		*99*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
1,1,1-Trichloroethane	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
1,1,2,2-Tetrachloroethane	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
1,1,2-Trichloroethane	0.0533	0.0050	mg/kg wet	0.05000		107	70-130			
1,1-Dichloroethane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
1,1-Dichloroethene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
1,1-Dichloropropene	0.0558	0.0050	mg/kg wet	0.05000		112	70-130			
1,2,3-Trichlorobenzene	0.0550	0.0050	mg/kg wet	0.05000		110	70-130			
1,2,3-Trichloropropane	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
1,2,4-Trichlorobenzene	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
1,2,4-Trimethylbenzene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
1,2-Dibromo-3-Chloropropane	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
1,2-Dibromoethane	0.0523	0.0050	mg/kg wet	0.05000		105	70-130			
1,2-Dichlorobenzene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
1,2-Dichloroethane	0.0529	0.0050	mg/kg wet	0.05000		106	70-130			
1,2-Dichloropropane	0.0528	0.0050	mg/kg wet	0.05000		106	70-130			
1,3,5-Trimethylbenzene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130			
1,3-Dichlorobenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
1,3-Dichloropropane	0.0536	0.0050	mg/kg wet	0.05000		107	70-130			
1,4-Dichlorobenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
1,4-Dioxane	1.11	0.100	mg/kg wet	1.000		111	70-130			
1-Chlorohexane	0.0442	0.0050	mg/kg wet	0.05000		88	70-130			
2,2-Dichloropropane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
2-Butanone	0.311	0.0500	mg/kg wet	0.2500		125	70-130			
2-Chlorotoluene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130			
2-Hexanone	0.319	0.0500	mg/kg wet	0.2500		127	70-130			
4-Chlorotoluene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130			
4-Isopropyltoluene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
4-Methyl-2-Pentanone	0.263	0.0500	mg/kg wet	0.2500		105	70-130			
Acetone	0.365	0.0500	mg/kg wet	0.2500		146	70-130			B+
Benzene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
Bromobenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
Bromochloromethane	0.0501	0.0050	mg/kg wet	0.05000		100	70-130			
Bromodichloromethane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
Bromoform	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DG01445 - 5035										
Bromomethane	0.0505	0.0100	mg/kg wet	0.05000		101	70-130			
Carbon Disulfide	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
Carbon Tetrachloride	0.0522	0.0050	mg/kg wet	0.05000		104	70-130			
Chlorobenzene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
Chloroethane	0.0482	0.0100	mg/kg wet	0.05000		96	70-130			
Chloroform	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			
Chloromethane	0.0475	0.0100	mg/kg wet	0.05000		95	70-130			
cis-1,2-Dichloroethene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130			
cis-1,3-Dichloropropene	0.0574	0.0050	mg/kg wet	0.05000		115	70-130			
Dibromochloromethane	0.0530	0.0050	mg/kg wet	0.05000		106	70-130			
Dibromomethane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
Dichlorodifluoromethane	0.0420	0.0100	mg/kg wet	0.05000		84	70-130			
Diethyl Ether	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
Di-isopropyl ether	0.0514	0.0050	mg/kg wet	0.05000		103	70-130			
Ethyl tertiary-butyl ether	0.0446	0.0050	mg/kg wet	0.05000		89	70-130			
Ethylbenzene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130			
Hexachlorobutadiene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			
Isopropylbenzene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130			
Methyl tert-Butyl Ether	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
Methylene Chloride	0.0525	0.0250	mg/kg wet	0.05000		105	70-130			
Naphthalene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130			
n-Butylbenzene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
n-Propylbenzene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130			
sec-Butylbenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130			
Styrene	0.0479	0.0050	mg/kg wet	0.05000		96	70-130			
tert-Butylbenzene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130			
Tertiary-amyl methyl ether	0.0458	0.0050	mg/kg wet	0.05000		92	70-130			
Tetrachloroethene	0.0528	0.0050	mg/kg wet	0.05000		106	70-130			
Tetrahydrofuran	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
Toluene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
trans-1,2-Dichloroethene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130			
trans-1,3-Dichloropropene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
Trichloroethene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130			
Trichlorofluoromethane	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
Vinyl Acetate	0.0458	0.0050	mg/kg wet	0.05000		92	70-130			
Vinyl Chloride	0.0489	0.0100	mg/kg wet	0.05000		98	70-130			
Xylene O	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
Xylene P,M	0.0987	0.0100	mg/kg wet	0.1000		99	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0516*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0500*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0506*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0491*		mg/kg wet	*0.05000*		*98*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	5	25	
1,1,1-Trichloroethane	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	4	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DG01445 - 5035										
1,1,2,2-Tetrachloroethane	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	1	25	
1,1,2-Trichloroethane	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	3	25	
1,1-Dichloroethane	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
1,1-Dichloroethene	0.0575	0.0050	mg/kg wet	0.05000		115	70-130	6	25	
1,1-Dichloropropene	0.0580	0.0050	mg/kg wet	0.05000		116	70-130	4	25	
1,2,3-Trichlorobenzene	0.0592	0.0050	mg/kg wet	0.05000		118	70-130	7	25	
1,2,3-Trichloropropane	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	0.4	25	
1,2,4-Trichlorobenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	6	25	
1,2,4-Trimethylbenzene	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	5	25	
1,2-Dibromo-3-Chloropropane	0.0466	0.0050	mg/kg wet	0.05000		93	70-130	2	25	
1,2-Dibromoethane	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	3	25	
1,2-Dichlorobenzene	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
1,2-Dichloroethane	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	3	25	
1,2-Dichloropropane	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	5	25	
1,3,5-Trimethylbenzene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	5	25	
1,3-Dichlorobenzene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	8	25	
1,3-Dichloropropane	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	4	25	
1,4-Dichlorobenzene	0.0528	0.0050	mg/kg wet	0.05000		106	70-130	2	25	
1,4-Dioxane	1.13	0.100	mg/kg wet	1.000		113	70-130	1	20	
1-Chlorohexane	0.0472	0.0050	mg/kg wet	0.05000		94	70-130	7	25	
2,2-Dichloropropane	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	4	25	
2-Butanone	0.270	0.0500	mg/kg wet	0.2500		108	70-130	14	25	
2-Chlorotoluene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	5	25	
2-Hexanone	0.268	0.0500	mg/kg wet	0.2500		107	70-130	17	25	
4-Chlorotoluene	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	5	25	
4-Isopropyltoluene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	6	25	
4-Methyl-2-Pentanone	0.249	0.0500	mg/kg wet	0.2500		100	70-130	6	25	
Acetone	0.233	0.0500	mg/kg wet	0.2500		93	70-130	44	25	D+
Benzene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	4	25	
Bromobenzene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	4	25	
Bromochloromethane	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	5	25	
Bromodichloromethane	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	4	25	
Bromoform	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	1	25	
Bromomethane	0.0519	0.0100	mg/kg wet	0.05000		104	70-130	3	25	
Carbon Disulfide	0.0528	0.0050	mg/kg wet	0.05000		106	70-130	4	25	
Carbon Tetrachloride	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	3	25	
Chlorobenzene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	6	25	
Chloroethane	0.0501	0.0100	mg/kg wet	0.05000		100	70-130	4	25	
Chloroform	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	4	25	
Chloromethane	0.0497	0.0100	mg/kg wet	0.05000		99	70-130	4	25	
cis-1,2-Dichloroethene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	5	25	
cis-1,3-Dichloropropene	0.0601	0.0050	mg/kg wet	0.05000		120	70-130	5	25	
Dibromochloromethane	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	4	25	
Dibromomethane	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
Dichlorodifluoromethane	0.0433	0.0100	mg/kg wet	0.05000		87	70-130	3	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DG01445 - 5035										
Diethyl Ether	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	3	25	
Di-isopropyl ether	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
Ethyl tertiary-butyl ether	0.0468	0.0050	mg/kg wet	0.05000		94	70-130	5	25	
Ethylbenzene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	6	25	
Hexachlorobutadiene	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	5	25	
Isopropylbenzene	0.0563	0.0050	mg/kg wet	0.05000		113	70-130	5	25	
Methyl tert-Butyl Ether	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	4	25	
Methylene Chloride	0.0549	0.0250	mg/kg wet	0.05000		110	70-130	5	25	
Naphthalene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130	6	25	
n-Butylbenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	5	25	
n-Propylbenzene	0.0569	0.0050	mg/kg wet	0.05000		114	70-130	5	25	
sec-Butylbenzene	0.0552	0.0050	mg/kg wet	0.05000		110	70-130	5	25	
Styrene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	5	25	
tert-Butylbenzene	0.0566	0.0050	mg/kg wet	0.05000		113	70-130	6	25	
Tertiary-amyl methyl ether	0.0478	0.0050	mg/kg wet	0.05000		96	70-130	4	25	
Tetrachloroethene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	5	25	
Tetrahydrofuran	0.0464	0.0050	mg/kg wet	0.05000		93	70-130	4	25	
Toluene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
trans-1,2-Dichloroethene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	5	25	
trans-1,3-Dichloropropene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	4	25	
Trichloroethene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	3	25	
Trichlorofluoromethane	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	5	25	
Vinyl Acetate	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	5	25	
Vinyl Chloride	0.0503	0.0100	mg/kg wet	0.05000		101	70-130	3	25	
Xylene O	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	6	25	
Xylene P,M	0.104	0.0100	mg/kg wet	0.1000		104	70-130	6	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0499*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0496*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0505*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0492*		mg/kg wet	*0.05000*		*98*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch DG01409 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DG01409 - 3546										
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	10.0	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.40*		mg/kg wet	*5.000*		*88*	*40-140*			
LCS										
Decane (C10)	1.7	0.2	mg/kg wet	2.500		67	40-140			
Docosane (C22)	2.4	0.2	mg/kg wet	2.500		95	40-140			
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		81	40-140			
Eicosane (C20)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Hexacosane (C26)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Hexadecane (C16)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Nonadecane (C19)	2.5	0.2	mg/kg wet	2.500		101	40-140			
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		65	30-140			
Octacosane (C28)	2.4	0.2	mg/kg wet	2.500		98	40-140			
Octadecane (C18)	2.3	0.2	mg/kg wet	2.500		90	40-140			
Tetracosane (C24)	2.4	0.2	mg/kg wet	2.500		95	40-140			
Tetradecane (C14)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Total Petroleum Hydrocarbons	34.9	37.5	mg/kg wet	35.00		100	40-140			
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		94	40-140			
Surrogate: O-Terphenyl	*4.45*		mg/kg wet	*5.000*		*89*	*40-140*			
LCS Dup										
Decane (C10)	1.7	0.2	mg/kg wet	2.500		68	40-140	1	25	
Docosane (C22)	2.4	0.2	mg/kg wet	2.500		95	40-140	0.8	25	
Dodecane (C12)	2.1	0.2	mg/kg wet	2.500		83	40-140	3	25	
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		94	40-140	2	25	
Hexacosane (C26)	2.4	0.2	mg/kg wet	2.500		96	40-140	0.4	25	
Hexadecane (C16)	2.2	0.2	mg/kg wet	2.500		87	40-140	0.7	25	
Nonadecane (C19)	2.5	0.2	mg/kg wet	2.500		100	40-140	1	25	
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		66	30-140	2	25	
Octacosane (C28)	2.4	0.2	mg/kg wet	2.500		97	40-140	0.2	25	
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		89	40-140	1	25	
Tetracosane (C24)	2.4	0.2	mg/kg wet	2.500		96	40-140	1	25	
Tetradecane (C14)	2.1	0.2	mg/kg wet	2.500		84	40-140	0.2	25	
Total Petroleum Hydrocarbons	32.3	37.5	mg/kg wet	35.00		92	40-140	8	25	
Triacontane (C30)	2.4	0.2	mg/kg wet	2.500		96	40-140	2	25	
Surrogate: O-Terphenyl	*4.44*		mg/kg wet	*5.000*		*89*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DG01408 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DG01408 - 3546										
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DG01408 - 3546										
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.14*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.10*		mg/kg wet	*5.000*		*82*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.40*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.48*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*3.83*		mg/kg wet	*5.000*		*77*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.42*		mg/kg wet	*3.333*		*73*	*30-130*			
Surrogate: Phenol-d6	*3.31*		mg/kg wet	*5.000*		*66*	*30-130*			
Surrogate: p-Terphenyl-d14	*4.28*		mg/kg wet	*3.333*		*128*	*30-130*			
LCS										
1,1-Biphenyl	2.20	0.333	mg/kg wet	3.333		66	40-140			
1,2,4-Trichlorobenzene	2.08	0.333	mg/kg wet	3.333		63	40-140			
1,2-Dichlorobenzene	1.92	0.333	mg/kg wet	3.333		58	40-140			
1,3-Dichlorobenzene	1.99	0.333	mg/kg wet	3.333		60	40-140			
1,4-Dichlorobenzene	1.94	0.333	mg/kg wet	3.333		58	40-140			
2,3,4,6-Tetrachlorophenol	2.42	1.67	mg/kg wet	3.333		73	30-130			
2,4,5-Trichlorophenol	2.50	0.333	mg/kg wet	3.333		75	30-130			
2,4,6-Trichlorophenol	2.42	0.333	mg/kg wet	3.333		72	30-130			
2,4-Dichlorophenol	2.33	0.333	mg/kg wet	3.333		70	30-130			
2,4-Dimethylphenol	2.26	0.333	mg/kg wet	3.333		68	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DG01408 - 3546										
2,4-Dinitrophenol	2.77	1.67	mg/kg wet	3.333		83	30-130			
2,4-Dinitrotoluene	2.85	0.333	mg/kg wet	3.333		85	40-140			
2,6-Dinitrotoluene	2.55	0.333	mg/kg wet	3.333		76	40-140			
2-Chloronaphthalene	2.26	0.333	mg/kg wet	3.333		68	40-140			
2-Chlorophenol	2.02	0.333	mg/kg wet	3.333		61	30-130			
2-Methylnaphthalene	2.07	0.333	mg/kg wet	3.333		62	40-140			
2-Methylphenol	2.01	0.333	mg/kg wet	3.333		60	30-130			
2-Nitroaniline	2.59	0.333	mg/kg wet	3.333		78	40-140			
2-Nitrophenol	1.98	0.333	mg/kg wet	3.333		59	30-130			
3,3´-Dichlorobenzidine	2.48	0.667	mg/kg wet	3.333		74	40-140			
3+4-Methylphenol	4.39	0.667	mg/kg wet	6.667		66	30-130			
3-Nitroaniline	2.64	0.333	mg/kg wet	3.333		79	40-140			
4,6-Dinitro-2-Methylphenol	2.93	1.67	mg/kg wet	3.333		88	30-130			
4-Bromophenyl-phenylether	2.88	0.333	mg/kg wet	3.333		87	40-140			
4-Chloro-3-Methylphenol	2.44	0.333	mg/kg wet	3.333		73	30-130			
4-Chloroaniline	1.83	0.667	mg/kg wet	3.333		55	40-140			
4-Chloro-phenyl-phenyl ether	2.57	0.333	mg/kg wet	3.333		77	40-140			
4-Nitroaniline	2.70	0.333	mg/kg wet	3.333		81	40-140			
4-Nitrophenol	2.59	1.67	mg/kg wet	3.333		78	30-130			
Acenaphthene	2.19	0.333	mg/kg wet	3.333		66	40-140			
Acenaphthylene	2.33	0.333	mg/kg wet	3.333		70	40-140			
Acetophenone	1.99	0.667	mg/kg wet	3.333		60	40-140			
Aniline	1.46	0.667	mg/kg wet	3.333		44	40-140			
Anthracene	2.70	0.333	mg/kg wet	3.333		81	40-140			
Azobenzene	2.69	0.333	mg/kg wet	3.333		81	40-140			
Benzo(a)anthracene	2.89	0.333	mg/kg wet	3.333		87	40-140			
Benzo(a)pyrene	2.88	0.167	mg/kg wet	3.333		86	40-140			
Benzo(b)fluoranthene	2.76	0.333	mg/kg wet	3.333		83	40-140			
Benzo(g,h,i)perylene	2.82	0.333	mg/kg wet	3.333		85	40-140			
Benzo(k)fluoranthene	2.99	0.333	mg/kg wet	3.333		90	40-140			
Benzoic Acid	2.44	1.67	mg/kg wet	3.333		73	40-140			
Benzyl Alcohol	2.02	0.333	mg/kg wet	3.333		61	40-140			
bis(2-Chloroethoxy)methane	2.16	0.333	mg/kg wet	3.333		65	40-140			
bis(2-Chloroethyl)ether	1.98	0.333	mg/kg wet	3.333		60	40-140			
bis(2-chloroisopropyl)Ether	1.78	0.333	mg/kg wet	3.333		53	40-140			
bis(2-Ethylhexyl)phthalate	2.87	0.333	mg/kg wet	3.333		86	40-140			
Butylbenzylphthalate	2.94	0.333	mg/kg wet	3.333		88	40-140			
Carbazole	2.81	0.333	mg/kg wet	3.333		84	40-140			
Chrysene	2.84	0.167	mg/kg wet	3.333		85	40-140			
Dibenzo(a,h)Anthracene	2.76	0.167	mg/kg wet	3.333		83	40-140			
Dibenzofuran	2.37	0.333	mg/kg wet	3.333		71	40-140			
Diethylphthalate	2.72	0.333	mg/kg wet	3.333		82	40-140			
Dimethylphthalate	2.59	0.333	mg/kg wet	3.333		78	40-140			
Di-n-butylphthalate	2.86	0.333	mg/kg wet	3.333		86	40-140			
Di-n-octylphthalate	2.79	0.333	mg/kg wet	3.333		84	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DG01408 - 3546										
Fluoranthene	2.76	0.333	mg/kg wet	3.333		83	40-140			
Fluorene	2.53	0.333	mg/kg wet	3.333		76	40-140			
Hexachlorobenzene	2.72	0.167	mg/kg wet	3.333		82	40-140			
Hexachlorobutadiene	2.02	0.333	mg/kg wet	3.333		60	40-140			
Hexachlorocyclopentadiene	2.24	1.67	mg/kg wet	3.333		67	40-140			
Hexachloroethane	1.83	0.333	mg/kg wet	3.333		55	40-140			
Indeno(1,2,3-cd)Pyrene	2.78	0.333	mg/kg wet	3.333		83	40-140			
Isophorone	1.78	0.333	mg/kg wet	3.333		53	40-140			
Naphthalene	2.03	0.333	mg/kg wet	3.333		61	40-140			
Nitrobenzene	2.02	0.333	mg/kg wet	3.333		61	40-140			
N-Nitrosodimethylamine	1.88	0.333	mg/kg wet	3.333		56	40-140			
N-Nitroso-Di-n-Propylamine	2.00	0.333	mg/kg wet	3.333		60	40-140			
N-nitrosodiphenylamine	2.80	0.333	mg/kg wet	3.333		84	40-140			
Pentachlorophenol	2.84	1.67	mg/kg wet	3.333		85	30-130			
Phenanthrene	2.82	0.333	mg/kg wet	3.333		85	40-140			
Phenol	2.16	0.333	mg/kg wet	3.333		65	30-130			
Pyrene	3.01	0.333	mg/kg wet	3.333		90	40-140			
Pyridine	1.91	1.67	mg/kg wet	3.333		57	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*1.85*		mg/kg wet	*3.333*		*55*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.43*		mg/kg wet	*5.000*		*89*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.12*		mg/kg wet	*5.000*		*62*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.26*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: 2-Fluorophenol	*3.43*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.14*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: Phenol-d6	*3.17*		mg/kg wet	*5.000*		*63*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.42*		mg/kg wet	*3.333*		*103*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.27	0.333	mg/kg wet	3.333		68	40-140	3	30	
1,2,4-Trichlorobenzene	2.19	0.333	mg/kg wet	3.333		66	40-140	5	30	
1,2-Dichlorobenzene	2.07	0.333	mg/kg wet	3.333		62	40-140	7	30	
1,3-Dichlorobenzene	2.14	0.333	mg/kg wet	3.333		64	40-140	7	30	
1,4-Dichlorobenzene	2.07	0.333	mg/kg wet	3.333		62	40-140	7	30	
2,3,4,6-Tetrachlorophenol	2.37	1.67	mg/kg wet	3.333		71	30-130	2	30	
2,4,5-Trichlorophenol	2.54	0.333	mg/kg wet	3.333		76	30-130	2	30	
2,4,6-Trichlorophenol	2.48	0.333	mg/kg wet	3.333		74	30-130	3	30	
2,4-Dichlorophenol	2.41	0.333	mg/kg wet	3.333		72	30-130	3	30	
2,4-Dimethylphenol	2.39	0.333	mg/kg wet	3.333		72	30-130	6	30	
2,4-Dinitrophenol	2.64	1.67	mg/kg wet	3.333		79	30-130	5	30	
2,4-Dinitrotoluene	2.85	0.333	mg/kg wet	3.333		86	40-140	0.1	30	
2,6-Dinitrotoluene	2.56	0.333	mg/kg wet	3.333		77	40-140	0.3	30	
2-Chloronaphthalene	2.34	0.333	mg/kg wet	3.333		70	40-140	3	30	
2-Chlorophenol	2.11	0.333	mg/kg wet	3.333		63	30-130	4	30	
2-Methylnaphthalene	2.18	0.333	mg/kg wet	3.333		65	40-140	5	30	
2-Methylphenol	2.09	0.333	mg/kg wet	3.333		63	30-130	4	30	
2-Nitroaniline	2.55	0.333	mg/kg wet	3.333		77	40-140	2	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DG01408 - 3546										
2-Nitrophenol	2.10	0.333	mg/kg wet	3.333		63	30-130	6	30	
3,3´-Dichlorobenzidine	2.44	0.667	mg/kg wet	3.333		73	40-140	2	30	
3+4-Methylphenol	4.47	0.667	mg/kg wet	6.667		67	30-130	2	30	
3-Nitroaniline	2.67	0.333	mg/kg wet	3.333		80	40-140	1	30	
4,6-Dinitro-2-Methylphenol	2.89	1.67	mg/kg wet	3.333		87	30-130	1	30	
4-Bromophenyl-phenylether	2.92	0.333	mg/kg wet	3.333		88	40-140	1	30	
4-Chloro-3-Methylphenol	2.48	0.333	mg/kg wet	3.333		74	30-130	1	30	
4-Chloroaniline	1.88	0.667	mg/kg wet	3.333		56	40-140	3	30	
4-Chloro-phenyl-phenyl ether	2.61	0.333	mg/kg wet	3.333		78	40-140	2	30	
4-Nitroaniline	2.66	0.333	mg/kg wet	3.333		80	40-140	1	30	
4-Nitrophenol	2.52	1.67	mg/kg wet	3.333		75	30-130	3	30	
Acenaphthene	2.24	0.333	mg/kg wet	3.333		67	40-140	2	30	
Acenaphthylene	2.41	0.333	mg/kg wet	3.333		72	40-140	3	30	
Acetophenone	2.08	0.667	mg/kg wet	3.333		62	40-140	4	30	
Aniline	1.45	0.667	mg/kg wet	3.333		44	40-140	0.1	30	
Anthracene	2.66	0.333	mg/kg wet	3.333		80	40-140	2	30	
Azobenzene	2.72	0.333	mg/kg wet	3.333		82	40-140	0.9	30	
Benzo(a)anthracene	2.88	0.333	mg/kg wet	3.333		86	40-140	0.2	30	
Benzo(a)pyrene	2.85	0.167	mg/kg wet	3.333		86	40-140	1	30	
Benzo(b)fluoranthene	2.69	0.333	mg/kg wet	3.333		81	40-140	2	30	
Benzo(g,h,i)perylene	2.78	0.333	mg/kg wet	3.333		83	40-140	2	30	
Benzo(k)fluoranthene	3.05	0.333	mg/kg wet	3.333		92	40-140	2	30	
Benzoic Acid	2.39	1.67	mg/kg wet	3.333		72	40-140	2	30	
Benzyl Alcohol	2.02	0.333	mg/kg wet	3.333		60	40-140	0.3	30	
bis(2-Chloroethoxy)methane	2.28	0.333	mg/kg wet	3.333		68	40-140	5	30	
bis(2-Chloroethyl)ether	2.13	0.333	mg/kg wet	3.333		64	40-140	7	30	
bis(2-chloroisopropyl)Ether	1.96	0.333	mg/kg wet	3.333		59	40-140	9	30	
bis(2-Ethylhexyl)phthalate	2.95	0.333	mg/kg wet	3.333		89	40-140	3	30	
Butylbenzylphthalate	3.01	0.333	mg/kg wet	3.333		90	40-140	2	30	
Carbazole	2.79	0.333	mg/kg wet	3.333		84	40-140	0.6	30	
Chrysene	2.83	0.167	mg/kg wet	3.333		85	40-140	0.4	30	
Dibenzo(a,h)Anthracene	2.71	0.167	mg/kg wet	3.333		81	40-140	2	30	
Dibenzofuran	2.41	0.333	mg/kg wet	3.333		72	40-140	2	30	
Diethylphthalate	2.69	0.333	mg/kg wet	3.333		81	40-140	1	30	
Dimethylphthalate	2.60	0.333	mg/kg wet	3.333		78	40-140	0.4	30	
Di-n-butylphthalate	2.86	0.333	mg/kg wet	3.333		86	40-140	0.1	30	
Di-n-octylphthalate	2.83	0.333	mg/kg wet	3.333		85	40-140	2	30	
Fluoranthene	2.75	0.333	mg/kg wet	3.333		82	40-140	0.5	30	
Fluorene	2.58	0.333	mg/kg wet	3.333		78	40-140	2	30	
Hexachlorobenzene	2.70	0.167	mg/kg wet	3.333		81	40-140	0.7	30	
Hexachlorobutadiene	2.19	0.333	mg/kg wet	3.333		66	40-140	8	30	
Hexachlorocyclopentadiene	2.34	1.67	mg/kg wet	3.333		70	40-140	4	30	
Hexachloroethane	1.99	0.333	mg/kg wet	3.333		60	40-140	9	30	
Indeno(1,2,3-cd)Pyrene	2.75	0.333	mg/kg wet	3.333		83	40-140	0.8	30	
Isophorone	1.87	0.333	mg/kg wet	3.333		56	40-140	5	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DG01408 - 3546										
Naphthalene	2.16	0.333	mg/kg wet	3.333		65	40-140	6	30	
Nitrobenzene	2.17	0.333	mg/kg wet	3.333		65	40-140	7	30	
N-Nitrosodimethylamine	2.04	0.333	mg/kg wet	3.333		61	40-140	8	30	
N-Nitroso-Di-n-Propylamine	2.03	0.333	mg/kg wet	3.333		61	40-140	2	30	
N-nitrosodiphenylamine	2.88	0.333	mg/kg wet	3.333		86	40-140	3	30	
Pentachlorophenol	2.66	1.67	mg/kg wet	3.333		80	30-130	6	30	
Phenanthrene	2.81	0.333	mg/kg wet	3.333		84	40-140	0.4	30	
Phenol	2.19	0.333	mg/kg wet	3.333		66	30-130	1	30	
Pyrene	2.98	0.333	mg/kg wet	3.333		90	40-140	0.8	30	
Pyridine	2.06	1.67	mg/kg wet	3.333		62	40-140	7	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.07*		mg/kg wet	*3.333*		*62*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.54*		mg/kg wet	*5.000*		*91*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.35*		mg/kg wet	*5.000*		*67*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.43*		mg/kg wet	*3.333*		*73*	*30-130*			
Surrogate: 2-Fluorophenol	*3.74*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.38*		mg/kg wet	*3.333*		*71*	*30-130*			
Surrogate: Phenol-d6	*3.38*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.51*		mg/kg wet	*3.333*		*105*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
D+	Relative percent difference for duplicate is outside of criteria (D+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
B+	Blank Spike recovery is above upper control limit (B+).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: Client

ESS Project ID: 20G0354
Date Received: 7/14/2020
Project Due Date: 7/15/2020
Days for Project: 1 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 5.9 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** (Yes) / No / NA
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? Yes / (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / (No)
    b. Does methanol cover soil completely? (Yes) / No / NA

13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 7/14/20 Time: 16:37 By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / (No)
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	63706	Yes	N/A	Yes	VOA Vial	MeOH	
1	63707	Yes	N/A	Yes	VOA Vial	DI Water	
1	63708	Yes	N/A	Yes	VOA Vial	DI Water	
1	63712	Yes	N/A	Yes	8 oz jar	NP	
2	63709	Yes	N/A	Yes	8 oz jar	NP	
3	63710	Yes	N/A	Yes	8 oz jar	NP	
4	63711	Yes	N/A	Yes	8 oz jar	NP	

2nd Review

Were all containers scanned into storage/lab? Initials

	Yes / No
Are barcode labels on correct containers?	Yes / No
Are all Flashpoint stickers attached/container ID # circled?	Yes / No / NA
Are all Hex Chrome stickers attached?	Yes / No / NA
Are all QC stickers attached?	Yes / No / NA
Are VOA stickers attached if bubbles noted?	Yes / No / NA

Completed By:
Reviewed

Date & Time: 7/14/20 10:32

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 20G0354

Date Received: 7/14/2020

By: [signature]

Date & Time: 7/14/20 1031

Delivered By: [signature] 7/14/20 1031

CHAIN OF CUSTODY (24-hr)

ESS Laboratory
185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

ESS Lab # 2060354 | Page of

Turn Time: ☐ >5 ☐ 5 ☐ 4 ☐ 3 ☐ 2 ☒ 1 ☐ Same Day
Regulatory State: RI Criteria:
Is this project for any of the following?: ☐ CT RCP ☐ MA MCP ☐ RGP ☐ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF)
☐ Limit Checker ☐ State Forms ☐ EQuIS
☒ Excel ☐ Hard Copy ☐ Enviro Data
☐ CLP-Like Package ☒ Other (Specify) → PDF

CLIENT INFORMATION

Client: GZA
Address: 168 Valley St
Providence, RI 02909
Phone: 401-427-2738
Email Distribution List: Sara.haupt@gza.com
Sophia.narkiewicz@gza.com

PROJECT INFORMATION

Project Name: 642 Allens Ave - National Grid
Project Location:
Project Number: 33554.06
Project Manager:
Bill to:
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Total Arsenic	PP13 Metals	TPH	SVOC	VOC (High & LL)
1	7/14/20	0915	Composite	Soil	PJ Keating 1.5" dense grade Pile E S-1		X	X	X	X
2	7/14/20	0925	Composite	Soil	PJ Keating 1.5" dense grade Pile E As-1	X				
3	7/14/20	0935	Composite	Soil	PJ Keating 1.5" dense grade Pile E As-2	X				
4	7/14/20	0945	Composite	Soil	PJ Keating 1.5" dense grade Pile E As-3	X				
						AG	AG	AG	AG	V
						10	10	10	10	7
						1	1	1	1	6

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*

Chain needs to be filled out neatly and completely for on time delivery.

Sampled by: David Thibault (GZA)

Laboratory Use Only
Cooler Temperature (°C): Ice 5.9

Comments: * Please specify "Other" preservative and containers types in this space

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration ☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
David Thibault	7/14/20	1013					

CERTIFICATE OF ANALYSIS

Sara Haupt
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: 642 Allens Ave (33554.0416.2)
ESS Laboratory Work Order Number: 20I0659

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 5:27 pm, Oct 01, 2020

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

SAMPLE RECEIPT

The following samples were received on September 23, 2020 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on September 23, 2020 at 15:40.

Lab Number	Sample Name	Matrix	Analysis
20I0659-01	SP092320	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

DI02437-BS1 **Blank Spike recovery is above upper control limit (B+).**
2-Hexanone (131% @ 70-130%), Acetone (142% @ 70-130%), Tetrachloroethene (133% @ 70-130%)

DI02437-BSD1 **Blank Spike recovery is above upper control limit (B+).**
Tetrachloroethene (138% @ 70-130%)

8100M Total Petroleum Hydrocarbons

D0I0407-CCV2 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Decane (C10) (24% @ 20%), Nonane (C9) (27% @ 20%)

8270D Semi-Volatile Organic Compounds

D0I0342-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (72% @ 80-120%), 4,6-Dinitro-2-Methylphenol (85% @ 80-120%), Benzoic Acid (93% @ 80-120%), Pentachlorophenol (108% @ 80-120%)

D0I0342-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
2,4-Dinitrophenol (28% @ 20%), N-Nitrosodimethylamine (25% @ 20%)

DI02427-BS1 **Blank Spike recovery is below lower control limit (B-).**
Aniline (34% @ 40-140%)

DI02427-BSD1 **Blank Spike recovery is below lower control limit (B-).**
Aniline (36% @ 40-140%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP092320
Date Sampled: 09/23/20 11:30
Percent Solids: 99

ESS Laboratory Work Order: 20I0659
ESS Laboratory Sample ID: 20I0659-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.70)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343
Arsenic	ND (2.35)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343
Beryllium	ND (0.10)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343
Cadmium	ND (0.47)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343
Chromium	**20.0** (0.94)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343
Copper	**14.2** (2.35)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343
Lead	ND (4.70)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343
Mercury	ND (0.030)		7471B		1	MKS	09/28/20 10:52	0.67	40	DI02345
Nickel	**10.5** (2.35)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343
Selenium	ND (4.70)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343
Silver	ND (0.94)		6010C		2	KJK	09/30/20 18:18	2.15	100	DI02343
Thallium	ND (4.70)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343
Zinc	**30.4** (2.35)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP092320
Date Sampled: 09/23/20 11:30
Percent Solids: 99
Initial Volume: 9.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20I0659
ESS Laboratory Sample ID: 20I0659-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,1,1-Trichloroethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,1,2,2-Tetrachloroethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,1,2-Trichloroethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,1-Dichloroethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,1-Dichloroethene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,1-Dichloropropene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,2,3-Trichlorobenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,2,3-Trichloropropane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,2,4-Trichlorobenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,2,4-Trimethylbenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,2-Dibromo-3-Chloropropane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,2-Dibromoethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,2-Dichlorobenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,2-Dichloroethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,2-Dichloropropane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,3,5-Trimethylbenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,3-Dichlorobenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,3-Dichloropropane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,4-Dichlorobenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,4-Dioxane	ND (0.0543)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1-Chlorohexane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
2,2-Dichloropropane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
2-Butanone	ND (0.0272)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
2-Chlorotoluene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
2-Hexanone	ND (0.0272)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
4-Chlorotoluene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
4-Isopropyltoluene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
4-Methyl-2-Pentanone	ND (0.0272)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Acetone	ND (0.0272)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Benzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Bromobenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP092320
Date Sampled: 09/23/20 11:30
Percent Solids: 99
Initial Volume: 9.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20I0659
ESS Laboratory Sample ID: 20I0659-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Bromodichloromethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Bromoform	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Bromomethane	ND (0.0054)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Carbon Disulfide	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Carbon Tetrachloride	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Chlorobenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Chloroethane	ND (0.0054)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Chloroform	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Chloromethane	ND (0.0054)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
cis-1,2-Dichloroethene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
cis-1,3-Dichloropropene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Dibromochloromethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Dibromomethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Dichlorodifluoromethane	ND (0.0054)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Diethyl Ether	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Di-isopropyl ether	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Ethyl tertiary-butyl ether	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Ethylbenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Hexachlorobutadiene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Isopropylbenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Methyl tert-Butyl Ether	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Methylene Chloride	ND (0.0136)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Naphthalene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
n-Butylbenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
n-Propylbenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
sec-Butylbenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Styrene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
tert-Butylbenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Tertiary-amyl methyl ether	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Tetrachloroethene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Tetrahydrofuran	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP092320
Date Sampled: 09/23/20 11:30
Percent Solids: 99
Initial Volume: 9.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20I0659
ESS Laboratory Sample ID: 20I0659-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
trans-1,2-Dichloroethene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
trans-1,3-Dichloropropene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Trichloroethene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Trichlorofluoromethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Vinyl Acetate	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Vinyl Chloride	ND (0.0054)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Xylene O	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Xylene P,M	ND (0.0054)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Xylenes (Total)	ND (0.00543)		8260B Low		1	09/24/20 17:26		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*100 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*96 %*		*70-130*
Surrogate: Toluene-d8	*95 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP092320
Date Sampled: 09/23/20 11:30
Percent Solids: 99
Initial Volume: 19.7
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 20I0659
ESS Laboratory Sample ID: 20I0659-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: NXL
Prepared: 9/24/20 10:55

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (38.5)		8100M		1	10/01/20 12:47	D0I0451	DI02359

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*117 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP092320
Date Sampled: 09/23/20 11:30
Percent Solids: 99
Initial Volume: 15.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20I0659
ESS Laboratory Sample ID: 20I0659-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/24/20 20:20

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
1,2,4-Trichlorobenzene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
1,2-Dichlorobenzene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
1,3-Dichlorobenzene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
1,4-Dichlorobenzene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2,3,4,6-Tetrachlorophenol	ND (1.62)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2,4,5-Trichlorophenol	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2,4,6-Trichlorophenol	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2,4-Dichlorophenol	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2,4-Dimethylphenol	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2,4-Dinitrophenol	ND (1.62)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2,4-Dinitrotoluene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2,6-Dinitrotoluene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2-Chloronaphthalene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2-Chlorophenol	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2-Methylnaphthalene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2-Methylphenol	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2-Nitroaniline	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2-Nitrophenol	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
3,3′-Dichlorobenzidine	ND (0.648)		8270D		1	09/24/20 23:25	D0I0342	DI02427
3+4-Methylphenol	ND (0.648)		8270D		1	09/24/20 23:25	D0I0342	DI02427
3-Nitroaniline	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
4,6-Dinitro-2-Methylphenol	ND (1.62)		8270D		1	09/24/20 23:25	D0I0342	DI02427
4-Bromophenyl-phenylether	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
4-Chloro-3-Methylphenol	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
4-Chloroaniline	ND (0.648)		8270D		1	09/24/20 23:25	D0I0342	DI02427
4-Chloro-phenyl-phenyl ether	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
4-Nitroaniline	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
4-Nitrophenol	ND (1.62)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Acenaphthene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Acenaphthylene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Acetophenone	ND (0.648)		8270D		1	09/24/20 23:25	D0I0342	DI02427

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP092320
Date Sampled: 09/23/20 11:30
Percent Solids: 99
Initial Volume: 15.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20I0659
ESS Laboratory Sample ID: 20I0659-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/24/20 20:20

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.648)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Anthracene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Azobenzene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Benzo(a)anthracene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Benzo(a)pyrene	ND (0.162)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Benzo(b)fluoranthene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Benzo(g,h,i)perylene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Benzo(k)fluoranthene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Benzoic Acid	ND (1.62)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Benzyl Alcohol	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
bis(2-Chloroethoxy)methane	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
bis(2-Chloroethyl)ether	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
bis(2-chloroisopropyl)Ether	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
bis(2-Ethylhexyl)phthalate	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Butylbenzylphthalate	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Carbazole	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Chrysene	ND (0.162)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Dibenzo(a,h)Anthracene	ND (0.162)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Dibenzofuran	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Diethylphthalate	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Dimethylphthalate	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Di-n-butylphthalate	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Di-n-octylphthalate	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Fluoranthene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Fluorene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Hexachlorobenzene	ND (0.162)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Hexachlorobutadiene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Hexachlorocyclopentadiene	ND (1.62)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Hexachloroethane	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Indeno(1,2,3-cd)Pyrene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Isophorone	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Naphthalene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP092320
Date Sampled: 09/23/20 11:30
Percent Solids: 99
Initial Volume: 15.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20I0659
ESS Laboratory Sample ID: 20I0659-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/24/20 20:20

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
N-Nitrosodimethylamine	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
N-Nitroso-Di-n-Propylamine	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
N-nitrosodiphenylamine	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Pentachlorophenol	ND (1.62)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Phenanthrene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Phenol	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Pyrene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Pyridine	ND (1.62)		8270D		1	09/24/20 23:25	D0I0342	DI02427

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*74 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*80 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*76 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*79 %*		*30-130*
Surrogate: 2-Fluorophenol	*71 %*		*30-130*
Surrogate: Nitrobenzene-d5	*64 %*		*30-130*
Surrogate: Phenol-d6	*71 %*		*30-130*
Surrogate: p-Terphenyl-d14	*83 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

Quality Control Data

Total Metals

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch DI02343 - 3050B										
Blank										
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	5.00	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	37.4	16.7	mg/kg wet	42.00		89	80-120			
Arsenic	37.1	8.33	mg/kg wet	43.10		86	80-120			
Beryllium	114	0.37	mg/kg wet	117.0		97	80-120			
Cadmium	105	1.67	mg/kg wet	118.0		89	80-120			
Chromium	283	3.33	mg/kg wet	299.0		95	80-120			
Copper	314	8.33	mg/kg wet	330.0		95	80-120			
Lead	135	16.7	mg/kg wet	144.0		94	80-120			
Nickel	166	8.33	mg/kg wet	171.0		97	80-120			
Selenium	134	16.7	mg/kg wet	154.0		87	80-120			
Silver	69.3	1.67	mg/kg wet	73.50		94	80-120			
Zinc	773	8.33	mg/kg wet	874.0		88	80-120			
LCS										
Thallium	84.9	16.7	mg/kg wet	90.40		94	80-120			
LCS Dup										
Antimony	38.6	16.1	mg/kg wet	42.00		92	80-120	3	20	
Arsenic	35.0	8.06	mg/kg wet	43.10		81	80-120	6	20	
Beryllium	109	0.35	mg/kg wet	117.0		93	80-120	4	20	
Cadmium	99.2	1.61	mg/kg wet	118.0		84	80-120	6	20	
Chromium	268	3.23	mg/kg wet	299.0		89	80-120	6	20	
Copper	300	8.06	mg/kg wet	330.0		91	80-120	4	20	
Lead	128	16.1	mg/kg wet	144.0		89	80-120	5	20	
Nickel	157	8.06	mg/kg wet	171.0		92	80-120	5	20	
Selenium	129	16.1	mg/kg wet	154.0		84	80-120	4	20	
Silver	65.7	1.61	mg/kg wet	73.50		89	80-120	5	20	
Zinc	737	8.06	mg/kg wet	874.0		84	80-120	5	20	
LCS Dup										
Thallium	89.0	15.6	mg/kg wet	90.40		98	80-120	5	20	
Batch DI02345 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DI02345 - 7471B										
LCS										
Mercury	23.3	3.19	mg/kg wet	26.60		88	80-120			
LCS Dup										
Mercury	23.0	2.96	mg/kg wet	26.60		87	80-120	1	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch DI02437 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DI02437 - 5035										
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0484*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0500*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0475*		mg/kg wet	*0.05000*		*95*	*70-130*			
Surrogate: Toluene-d8	*0.0478*		mg/kg wet	*0.05000*		*96*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0564	0.0050	mg/kg wet	0.05000		113	70-130			
1,1,1-Trichloroethane	0.0590	0.0050	mg/kg wet	0.05000		118	70-130			
1,1,2,2-Tetrachloroethane	0.0573	0.0050	mg/kg wet	0.05000		115	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DI02437 - 5035										
1,1,2-Trichloroethane	0.0558	0.0050	mg/kg wet	0.05000		112	70-130			
1,1-Dichloroethane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
1,1-Dichloroethene	0.0579	0.0050	mg/kg wet	0.05000		116	70-130			
1,1-Dichloropropene	0.0574	0.0050	mg/kg wet	0.05000		115	70-130			
1,2,3-Trichlorobenzene	0.0609	0.0050	mg/kg wet	0.05000		122	70-130			
1,2,3-Trichloropropane	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
1,2,4-Trichlorobenzene	0.0602	0.0050	mg/kg wet	0.05000		120	70-130			
1,2,4-Trimethylbenzene	0.0577	0.0050	mg/kg wet	0.05000		115	70-130			
1,2-Dibromo-3-Chloropropane	0.0536	0.0050	mg/kg wet	0.05000		107	70-130			
1,2-Dibromoethane	0.0559	0.0050	mg/kg wet	0.05000		112	70-130			
1,2-Dichlorobenzene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
1,2-Dichloroethane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
1,2-Dichloropropane	0.0540	0.0050	mg/kg wet	0.05000		108	70-130			
1,3,5-Trimethylbenzene	0.0580	0.0050	mg/kg wet	0.05000		116	70-130			
1,3-Dichlorobenzene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
1,3-Dichloropropane	0.0592	0.0050	mg/kg wet	0.05000		118	70-130			
1,4-Dichlorobenzene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130			
1,4-Dioxane	1.12	0.100	mg/kg wet	1.000		112	70-130			
1-Chlorohexane	0.0532	0.0050	mg/kg wet	0.05000		106	70-130			
2,2-Dichloropropane	0.0584	0.0050	mg/kg wet	0.05000		117	70-130			
2-Butanone	0.316	0.0500	mg/kg wet	0.2500		126	70-130			
2-Chlorotoluene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
2-Hexanone	0.328	0.0500	mg/kg wet	0.2500		131	70-130			B+
4-Chlorotoluene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
4-Isopropyltoluene	0.0567	0.0050	mg/kg wet	0.05000		113	70-130			
4-Methyl-2-Pentanone	0.284	0.0500	mg/kg wet	0.2500		114	70-130			
Acetone	0.355	0.0500	mg/kg wet	0.2500		142	70-130			B+
Benzene	0.0565	0.0050	mg/kg wet	0.05000		113	70-130			
Bromobenzene	0.0572	0.0050	mg/kg wet	0.05000		114	70-130			
Bromochloromethane	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
Bromodichloromethane	0.0497	0.0050	mg/kg wet	0.05000		99	70-130			
Bromoform	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
Bromomethane	0.0495	0.0100	mg/kg wet	0.05000		99	70-130			
Carbon Disulfide	0.0575	0.0050	mg/kg wet	0.05000		115	70-130			
Carbon Tetrachloride	0.0553	0.0050	mg/kg wet	0.05000		111	70-130			
Chlorobenzene	0.0571	0.0050	mg/kg wet	0.05000		114	70-130			
Chloroethane	0.0512	0.0100	mg/kg wet	0.05000		102	70-130			
Chloroform	0.0528	0.0050	mg/kg wet	0.05000		106	70-130			
Chloromethane	0.0490	0.0100	mg/kg wet	0.05000		98	70-130			
cis-1,2-Dichloroethene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130			
cis-1,3-Dichloropropene	0.0548	0.0050	mg/kg wet	0.05000		110	70-130			
Dibromochloromethane	0.0550	0.0050	mg/kg wet	0.05000		110	70-130			
Dibromomethane	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
Dichlorodifluoromethane	0.0360	0.0100	mg/kg wet	0.05000		72	70-130			
Diethyl Ether	0.0595	0.0050	mg/kg wet	0.05000		119	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DI02437 - 5035										
Di-isopropyl ether	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
Ethyl tertiary-butyl ether	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
Ethylbenzene	0.0600	0.0050	mg/kg wet	0.05000		120	70-130			
Hexachlorobutadiene	0.0587	0.0050	mg/kg wet	0.05000		117	70-130			
Isopropylbenzene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130			
Methyl tert-Butyl Ether	0.0630	0.0050	mg/kg wet	0.05000		126	70-130			
Methylene Chloride	0.0522	0.0250	mg/kg wet	0.05000		104	70-130			
Naphthalene	0.0566	0.0050	mg/kg wet	0.05000		113	70-130			
n-Butylbenzene	0.0579	0.0050	mg/kg wet	0.05000		116	70-130			
n-Propylbenzene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130			
sec-Butylbenzene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130			
Styrene	0.0599	0.0050	mg/kg wet	0.05000		120	70-130			
tert-Butylbenzene	0.0568	0.0050	mg/kg wet	0.05000		114	70-130			
Tertiary-amyl methyl ether	0.0572	0.0050	mg/kg wet	0.05000		114	70-130			
Tetrachloroethene	0.0667	0.0050	mg/kg wet	0.05000		133	70-130			B+
Tetrahydrofuran	0.0581	0.0050	mg/kg wet	0.05000		116	70-130			
Toluene	0.0566	0.0050	mg/kg wet	0.05000		113	70-130			
trans-1,2-Dichloroethene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
trans-1,3-Dichloropropene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
Trichloroethene	0.0563	0.0050	mg/kg wet	0.05000		113	70-130			
Trichlorofluoromethane	0.0510	0.0050	mg/kg wet	0.05000		102	70-130			
Vinyl Acetate	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
Vinyl Chloride	0.0509	0.0100	mg/kg wet	0.05000		102	70-130			
Xylene O	0.0594	0.0050	mg/kg wet	0.05000		119	70-130			
Xylene P,M	0.124	0.0100	mg/kg wet	0.1000		124	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0466*		mg/kg wet	*0.05000*		*93*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0509*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0473*		mg/kg wet	*0.05000*		*95*	*70-130*			
Surrogate: Toluene-d8	*0.0501*		mg/kg wet	*0.05000*		*100*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0563	0.0050	mg/kg wet	0.05000		113	70-130	0.2	25	
1,1,1-Trichloroethane	0.0594	0.0050	mg/kg wet	0.05000		119	70-130	0.7	25	
1,1,2,2-Tetrachloroethane	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	4	25	
1,1,2-Trichloroethane	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	0.3	25	
1,1-Dichloroethane	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	1	25	
1,1-Dichloroethene	0.0572	0.0050	mg/kg wet	0.05000		114	70-130	1	25	
1,1-Dichloropropene	0.0568	0.0050	mg/kg wet	0.05000		114	70-130	1	25	
1,2,3-Trichlorobenzene	0.0593	0.0050	mg/kg wet	0.05000		119	70-130	3	25	
1,2,3-Trichloropropane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	6	25	
1,2,4-Trichlorobenzene	0.0597	0.0050	mg/kg wet	0.05000		119	70-130	0.8	25	
1,2,4-Trimethylbenzene	0.0585	0.0050	mg/kg wet	0.05000		117	70-130	1	25	
1,2-Dibromo-3-Chloropropane	0.0478	0.0050	mg/kg wet	0.05000		96	70-130	12	25	
1,2-Dibromoethane	0.0543	0.0050	mg/kg wet	0.05000		109	70-130	3	25	
1,2-Dichlorobenzene	0.0552	0.0050	mg/kg wet	0.05000		110	70-130	1	25	
1,2-Dichloroethane	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	1	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DI02437 - 5035										
1,2-Dichloropropane	0.0550	0.0050	mg/kg wet	0.05000		110	70-130	2	25	
1,3,5-Trimethylbenzene	0.0585	0.0050	mg/kg wet	0.05000		117	70-130	0.9	25	
1,3-Dichlorobenzene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	2	25	
1,3-Dichloropropane	0.0579	0.0050	mg/kg wet	0.05000		116	70-130	2	25	
1,4-Dichlorobenzene	0.0563	0.0050	mg/kg wet	0.05000		113	70-130	2	25	
1,4-Dioxane	1.04	0.100	mg/kg wet	1.000		104	70-130	7	20	
1-Chlorohexane	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	3	25	
2,2-Dichloropropane	0.0587	0.0050	mg/kg wet	0.05000		117	70-130	0.5	25	
2-Butanone	0.298	0.0500	mg/kg wet	0.2500		119	70-130	6	25	
2-Chlorotoluene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	2	25	
2-Hexanone	0.285	0.0500	mg/kg wet	0.2500		114	70-130	14	25	
4-Chlorotoluene	0.0550	0.0050	mg/kg wet	0.05000		110	70-130	1	25	
4-Isopropyltoluene	0.0570	0.0050	mg/kg wet	0.05000		114	70-130	0.5	25	
4-Methyl-2-Pentanone	0.262	0.0500	mg/kg wet	0.2500		105	70-130	8	25	
Acetone	0.314	0.0500	mg/kg wet	0.2500		125	70-130	12	25	
Benzene	0.0572	0.0050	mg/kg wet	0.05000		114	70-130	1	25	
Bromobenzene	0.0594	0.0050	mg/kg wet	0.05000		119	70-130	4	25	
Bromochloromethane	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	2	25	
Bromodichloromethane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130	3	25	
Bromoform	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	4	25	
Bromomethane	0.0481	0.0100	mg/kg wet	0.05000		96	70-130	3	25	
Carbon Disulfide	0.0567	0.0050	mg/kg wet	0.05000		113	70-130	1	25	
Carbon Tetrachloride	0.0552	0.0050	mg/kg wet	0.05000		110	70-130	0.1	25	
Chlorobenzene	0.0566	0.0050	mg/kg wet	0.05000		113	70-130	0.9	25	
Chloroethane	0.0510	0.0100	mg/kg wet	0.05000		102	70-130	0.5	25	
Chloroform	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	1	25	
Chloromethane	0.0482	0.0100	mg/kg wet	0.05000		96	70-130	2	25	
cis-1,2-Dichloroethene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130	2	25	
cis-1,3-Dichloropropene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130	2	25	
Dibromochloromethane	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	2	25	
Dibromomethane	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	2	25	
Dichlorodifluoromethane	0.0352	0.0100	mg/kg wet	0.05000		70	70-130	2	25	
Diethyl Ether	0.0608	0.0050	mg/kg wet	0.05000		122	70-130	2	25	
Di-isopropyl ether	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	3	25	
Ethyl tertiary-butyl ether	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	2	25	
Ethylbenzene	0.0586	0.0050	mg/kg wet	0.05000		117	70-130	2	25	
Hexachlorobutadiene	0.0584	0.0050	mg/kg wet	0.05000		117	70-130	0.6	25	
Isopropylbenzene	0.0563	0.0050	mg/kg wet	0.05000		113	70-130	0.4	25	
Methyl tert-Butyl Ether	0.0635	0.0050	mg/kg wet	0.05000		127	70-130	0.7	25	
Methylene Chloride	0.0536	0.0250	mg/kg wet	0.05000		107	70-130	3	25	
Naphthalene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	6	25	
n-Butylbenzene	0.0579	0.0050	mg/kg wet	0.05000		116	70-130	0	25	
n-Propylbenzene	0.0565	0.0050	mg/kg wet	0.05000		113	70-130	0.7	25	
sec-Butylbenzene	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	0.6	25	
Styrene	0.0590	0.0050	mg/kg wet	0.05000		118	70-130	1	25	

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DI02437 - 5035										
tert-Butylbenzene	0.0573	0.0050	mg/kg wet	0.05000		115	70-130	0.9	25	
Tertiary-amyl methyl ether	0.0585	0.0050	mg/kg wet	0.05000		117	70-130	2	25	
Tetrachloroethene	0.0692	0.0050	mg/kg wet	0.05000		138	70-130	4	25	B+
Tetrahydrofuran	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	10	25	
Toluene	0.0573	0.0050	mg/kg wet	0.05000		115	70-130	1	25	
trans-1,2-Dichloroethene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	0.5	25	
trans-1,3-Dichloropropene	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	2	25	
Trichloroethene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	0.2	25	
Trichlorofluoromethane	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	0	25	
Vinyl Acetate	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	5	25	
Vinyl Chloride	0.0499	0.0100	mg/kg wet	0.05000		100	70-130	2	25	
Xylene O	0.0580	0.0050	mg/kg wet	0.05000		116	70-130	2	25	
Xylene P,M	0.121	0.0100	mg/kg wet	0.1000		121	70-130	2	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0460*		mg/kg wet	*0.05000*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0497*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0479*		mg/kg wet	*0.05000*		*96*	*70-130*			
Surrogate: Toluene-d8	*0.0489*		mg/kg wet	*0.05000*		*98*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch DI02359 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.37*		mg/kg wet	*5.000*		*87*	*40-140*			
LCS										
Decane (C10)	2.2	0.2	mg/kg wet	2.500		86	40-140			
Docosane (C22)	2.4	0.2	mg/kg wet	2.500		98	40-140			
Dodecane (C12)	2.3	0.2	mg/kg wet	2.500		93	40-140			
Eicosane (C20)	2.4	0.2	mg/kg wet	2.500		97	40-140			
Hexacosane (C26)	2.4	0.2	mg/kg wet	2.500		98	40-140			
Hexadecane (C16)	2.4	0.2	mg/kg wet	2.500		95	40-140			
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		97	40-140			

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Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 20I0659

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DI02359 - 3546										
Nonane (C9)	2.0	0.2	mg/kg wet	2.500		78	30-140			
Octacosane (C28)	2.5	0.2	mg/kg wet	2.500		99	40-140			
Octadecane (C18)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Tetracosane (C24)	2.4	0.2	mg/kg wet	2.500		98	40-140			
Tetradecane (C14)	2.4	0.2	mg/kg wet	2.500		94	40-140			
Total Petroleum Hydrocarbons	33.0	37.5	mg/kg wet	35.00		94	40-140			
Triacontane (C30)	2.5	0.2	mg/kg wet	2.500		99	40-140			
Surrogate: O-Terphenyl	*5.13*		mg/kg wet	*5.000*		*103*	*40-140*			
LCS Dup										
Decane (C10)	2.5	0.2	mg/kg wet	2.500		99	40-140	13	25	
Docosane (C22)	2.8	0.2	mg/kg wet	2.500		113	40-140	14	25	
Dodecane (C12)	2.6	0.2	mg/kg wet	2.500		105	40-140	13	25	
Eicosane (C20)	2.8	0.2	mg/kg wet	2.500		112	40-140	14	25	
Hexacosane (C26)	2.8	0.2	mg/kg wet	2.500		113	40-140	14	25	
Hexadecane (C16)	2.7	0.2	mg/kg wet	2.500		108	40-140	13	25	
Nonadecane (C19)	2.8	0.2	mg/kg wet	2.500		110	40-140	13	25	
Nonane (C9)	2.2	0.2	mg/kg wet	2.500		90	30-140	13	25	
Octacosane (C28)	2.9	0.2	mg/kg wet	2.500		115	40-140	14	25	
Octadecane (C18)	2.7	0.2	mg/kg wet	2.500		109	40-140	13	25	
Tetracosane (C24)	2.8	0.2	mg/kg wet	2.500		113	40-140	14	25	
Tetradecane (C14)	2.7	0.2	mg/kg wet	2.500		106	40-140	12	25	
Total Petroleum Hydrocarbons	37.9	37.5	mg/kg wet	35.00		108	40-140	14	25	
Triacontane (C30)	2.9	0.2	mg/kg wet	2.500		114	40-140	14	25	
Surrogate: O-Terphenyl	*5.68*		mg/kg wet	*5.000*		*114*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DI02427 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DI02427 - 3546										
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DI02427 - 3546										
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.53*		mg/kg wet	*3.333*		*76*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.00*		mg/kg wet	*5.000*		*80*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.92*		mg/kg wet	*5.000*		*78*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.65*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: 2-Fluorophenol	*3.84*		mg/kg wet	*5.000*		*77*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.23*		mg/kg wet	*3.333*		*67*	*30-130*			
Surrogate: Phenol-d6	*3.62*		mg/kg wet	*5.000*		*72*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.94*		mg/kg wet	*3.333*		*88*	*30-130*			
LCS										
1,1-Biphenyl	2.46	0.333	mg/kg wet	3.333		74	40-140			
1,2,4-Trichlorobenzene	2.48	0.333	mg/kg wet	3.333		74	40-140			
1,2-Dichlorobenzene	2.36	0.333	mg/kg wet	3.333		71	40-140			
1,3-Dichlorobenzene	2.16	0.333	mg/kg wet	3.333		65	40-140			
1,4-Dichlorobenzene	2.28	0.333	mg/kg wet	3.333		68	40-140			
2,3,4,6-Tetrachlorophenol	2.69	1.67	mg/kg wet	3.333		81	30-130			
2,4,5-Trichlorophenol	2.98	0.333	mg/kg wet	3.333		90	30-130			
2,4,6-Trichlorophenol	2.62	0.333	mg/kg wet	3.333		78	30-130			
2,4-Dichlorophenol	2.82	0.333	mg/kg wet	3.333		85	30-130			
2,4-Dimethylphenol	2.54	0.333	mg/kg wet	3.333		76	30-130			
2,4-Dinitrophenol	2.15	1.67	mg/kg wet	3.333		64	30-130			
2,4-Dinitrotoluene	3.42	0.333	mg/kg wet	3.333		103	40-140			
2,6-Dinitrotoluene	2.96	0.333	mg/kg wet	3.333		89	40-140			
2-Chloronaphthalene	2.29	0.333	mg/kg wet	3.333		69	40-140			
2-Chlorophenol	2.40	0.333	mg/kg wet	3.333		72	30-130			
2-Methylnaphthalene	2.50	0.333	mg/kg wet	3.333		75	40-140			
2-Methylphenol	2.24	0.333	mg/kg wet	3.333		67	30-130			
2-Nitroaniline	2.19	0.333	mg/kg wet	3.333		66	40-140			
2-Nitrophenol	2.40	0.333	mg/kg wet	3.333		72	30-130			
3,3´-Dichlorobenzidine	2.69	0.667	mg/kg wet	3.333		81	40-140			
3+4-Methylphenol	4.80	0.667	mg/kg wet	6.667		72	30-130			
3-Nitroaniline	2.68	0.333	mg/kg wet	3.333		80	40-140			
4,6-Dinitro-2-Methylphenol	2.76	1.67	mg/kg wet	3.333		83	30-130			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DI02427 - 3546										
4-Bromophenyl-phenylether	2.68	0.333	mg/kg wet	3.333		80	40-140			
4-Chloro-3-Methylphenol	2.87	0.333	mg/kg wet	3.333		86	30-130			
4-Chloroaniline	1.69	0.667	mg/kg wet	3.333		51	40-140			
4-Chloro-phenyl-phenyl ether	2.96	0.333	mg/kg wet	3.333		89	40-140			
4-Nitroaniline	2.61	0.333	mg/kg wet	3.333		78	40-140			
4-Nitrophenol	2.46	1.67	mg/kg wet	3.333		74	30-130			
Acenaphthene	2.39	0.333	mg/kg wet	3.333		72	40-140			
Acenaphthylene	2.32	0.333	mg/kg wet	3.333		70	40-140			
Acetophenone	2.31	0.667	mg/kg wet	3.333		69	40-140			
Aniline	1.13	0.667	mg/kg wet	3.333		34	40-140			B-
Anthracene	2.80	0.333	mg/kg wet	3.333		84	40-140			
Azobenzene	2.00	0.333	mg/kg wet	3.333		60	40-140			
Benzo(a)anthracene	2.89	0.333	mg/kg wet	3.333		87	40-140			
Benzo(a)pyrene	3.10	0.167	mg/kg wet	3.333		93	40-140			
Benzo(b)fluoranthene	2.85	0.333	mg/kg wet	3.333		85	40-140			
Benzo(g,h,i)perylene	3.24	0.333	mg/kg wet	3.333		97	40-140			
Benzo(k)fluoranthene	2.81	0.333	mg/kg wet	3.333		84	40-140			
Benzoic Acid	2.41	1.67	mg/kg wet	3.333		72	40-140			
Benzyl Alcohol	1.92	0.333	mg/kg wet	3.333		58	40-140			
bis(2-Chloroethoxy)methane	2.09	0.333	mg/kg wet	3.333		63	40-140			
bis(2-Chloroethyl)ether	2.08	0.333	mg/kg wet	3.333		62	40-140			
bis(2-chloroisopropyl)Ether	2.10	0.333	mg/kg wet	3.333		63	40-140			
bis(2-Ethylhexyl)phthalate	2.72	0.333	mg/kg wet	3.333		82	40-140			
Butylbenzylphthalate	2.76	0.333	mg/kg wet	3.333		83	40-140			
Carbazole	2.91	0.333	mg/kg wet	3.333		87	40-140			
Chrysene	2.82	0.167	mg/kg wet	3.333		85	40-140			
Dibenzo(a,h)Anthracene	3.13	0.167	mg/kg wet	3.333		94	40-140			
Dibenzofuran	2.63	0.333	mg/kg wet	3.333		79	40-140			
Diethylphthalate	2.98	0.333	mg/kg wet	3.333		89	40-140			
Dimethylphthalate	2.89	0.333	mg/kg wet	3.333		87	40-140			
Di-n-butylphthalate	3.02	0.333	mg/kg wet	3.333		91	40-140			
Di-n-octylphthalate	2.42	0.333	mg/kg wet	3.333		73	40-140			
Fluoranthene	3.08	0.333	mg/kg wet	3.333		92	40-140			
Fluorene	2.96	0.333	mg/kg wet	3.333		89	40-140			
Hexachlorobenzene	2.59	0.167	mg/kg wet	3.333		78	40-140			
Hexachlorobutadiene	2.36	0.333	mg/kg wet	3.333		71	40-140			
Hexachlorocyclopentadiene	1.43	1.67	mg/kg wet	3.333		43	40-140			
Hexachloroethane	2.07	0.333	mg/kg wet	3.333		62	40-140			
Indeno(1,2,3-cd)Pyrene	3.11	0.333	mg/kg wet	3.333		93	40-140			
Isophorone	1.81	0.333	mg/kg wet	3.333		54	40-140			
Naphthalene	2.34	0.333	mg/kg wet	3.333		70	40-140			
Nitrobenzene	1.92	0.333	mg/kg wet	3.333		57	40-140			
N-Nitrosodimethylamine	1.56	0.333	mg/kg wet	3.333		47	40-140			
N-Nitroso-Di-n-Propylamine	1.98	0.333	mg/kg wet	3.333		59	40-140			
N-nitrosodiphenylamine	2.58	0.333	mg/kg wet	3.333		77	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DI02427 - 3546										
Pentachlorophenol	3.07	1.67	mg/kg wet	3.333		92	30-130			
Phenanthrene	2.73	0.333	mg/kg wet	3.333		82	40-140			
Phenol	2.33	0.333	mg/kg wet	3.333		70	30-130			
Pyrene	2.73	0.333	mg/kg wet	3.333		82	40-140			
Pyridine	1.42	1.67	mg/kg wet	3.333		43	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.58*		mg/kg wet	*3.333*		*77*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.32*		mg/kg wet	*5.000*		*86*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.14*		mg/kg wet	*5.000*		*83*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.63*		mg/kg wet	*3.333*		*79*	*30-130*			
Surrogate: 2-Fluorophenol	*3.92*		mg/kg wet	*5.000*		*78*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.23*		mg/kg wet	*3.333*		*67*	*30-130*			
Surrogate: Phenol-d6	*3.88*		mg/kg wet	*5.000*		*78*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.02*		mg/kg wet	*3.333*		*91*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.64	0.333	mg/kg wet	3.333		79	40-140	7	30	
1,2,4-Trichlorobenzene	2.69	0.333	mg/kg wet	3.333		81	40-140	8	30	
1,2-Dichlorobenzene	2.41	0.333	mg/kg wet	3.333		72	40-140	2	30	
1,3-Dichlorobenzene	2.29	0.333	mg/kg wet	3.333		69	40-140	6	30	
1,4-Dichlorobenzene	2.40	0.333	mg/kg wet	3.333		72	40-140	5	30	
2,3,4,6-Tetrachlorophenol	2.85	1.67	mg/kg wet	3.333		85	30-130	6	30	
2,4,5-Trichlorophenol	3.02	0.333	mg/kg wet	3.333		91	30-130	1	30	
2,4,6-Trichlorophenol	2.88	0.333	mg/kg wet	3.333		86	30-130	10	30	
2,4-Dichlorophenol	3.02	0.333	mg/kg wet	3.333		91	30-130	7	30	
2,4-Dimethylphenol	2.73	0.333	mg/kg wet	3.333		82	30-130	7	30	
2,4-Dinitrophenol	2.53	1.67	mg/kg wet	3.333		76	30-130	16	30	
2,4-Dinitrotoluene	3.41	0.333	mg/kg wet	3.333		102	40-140	0.3	30	
2,6-Dinitrotoluene	3.04	0.333	mg/kg wet	3.333		91	40-140	3	30	
2-Chloronaphthalene	2.44	0.333	mg/kg wet	3.333		73	40-140	6	30	
2-Chlorophenol	2.54	0.333	mg/kg wet	3.333		76	30-130	6	30	
2-Methylnaphthalene	2.66	0.333	mg/kg wet	3.333		80	40-140	6	30	
2-Methylphenol	2.32	0.333	mg/kg wet	3.333		70	30-130	3	30	
2-Nitroaniline	2.26	0.333	mg/kg wet	3.333		68	40-140	3	30	
2-Nitrophenol	2.60	0.333	mg/kg wet	3.333		78	30-130	8	30	
3,3´-Dichlorobenzidine	2.78	0.667	mg/kg wet	3.333		83	40-140	3	30	
3+4-Methylphenol	4.63	0.667	mg/kg wet	6.667		69	30-130	4	30	
3-Nitroaniline	2.66	0.333	mg/kg wet	3.333		80	40-140	0.7	30	
4,6-Dinitro-2-Methylphenol	3.10	1.67	mg/kg wet	3.333		93	30-130	12	30	
4-Bromophenyl-phenylether	2.97	0.333	mg/kg wet	3.333		89	40-140	10	30	
4-Chloro-3-Methylphenol	3.00	0.333	mg/kg wet	3.333		90	30-130	5	30	
4-Chloroaniline	1.69	0.667	mg/kg wet	3.333		51	40-140	0.2	30	
4-Chloro-phenyl-phenyl ether	3.06	0.333	mg/kg wet	3.333		92	40-140	3	30	
4-Nitroaniline	2.70	0.333	mg/kg wet	3.333		81	40-140	3	30	
4-Nitrophenol	2.44	1.67	mg/kg wet	3.333		73	30-130	0.8	30	
Acenaphthene	2.50	0.333	mg/kg wet	3.333		75	40-140	5	30	
Acenaphthylene	2.46	0.333	mg/kg wet	3.333		74	40-140	5	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DI02427 - 3546										
Acetophenone	2.37	0.667	mg/kg wet	3.333		71	40-140	2	30	
Aniline	1.22	0.667	mg/kg wet	3.333		36	40-140	7	30	B-
Anthracene	2.97	0.333	mg/kg wet	3.333		89	40-140	6	30	
Azobenzene	2.19	0.333	mg/kg wet	3.333		66	40-140	9	30	
Benzo(a)anthracene	3.08	0.333	mg/kg wet	3.333		92	40-140	6	30	
Benzo(a)pyrene	3.27	0.167	mg/kg wet	3.333		98	40-140	5	30	
Benzo(b)fluoranthene	2.96	0.333	mg/kg wet	3.333		89	40-140	4	30	
Benzo(g,h,i)perylene	3.22	0.333	mg/kg wet	3.333		97	40-140	0.7	30	
Benzo(k)fluoranthene	3.08	0.333	mg/kg wet	3.333		92	40-140	9	30	
Benzoic Acid	2.62	1.67	mg/kg wet	3.333		79	40-140	8	30	
Benzyl Alcohol	2.01	0.333	mg/kg wet	3.333		60	40-140	4	30	
bis(2-Chloroethoxy)methane	2.26	0.333	mg/kg wet	3.333		68	40-140	8	30	
bis(2-Chloroethyl)ether	2.16	0.333	mg/kg wet	3.333		65	40-140	4	30	
bis(2-chloroisopropyl)Ether	2.20	0.333	mg/kg wet	3.333		66	40-140	4	30	
bis(2-Ethylhexyl)phthalate	2.94	0.333	mg/kg wet	3.333		88	40-140	8	30	
Butylbenzylphthalate	2.99	0.333	mg/kg wet	3.333		90	40-140	8	30	
Carbazole	2.99	0.333	mg/kg wet	3.333		90	40-140	3	30	
Chrysene	2.99	0.167	mg/kg wet	3.333		90	40-140	6	30	
Dibenzo(a,h)Anthracene	3.16	0.167	mg/kg wet	3.333		95	40-140	1	30	
Dibenzofuran	2.74	0.333	mg/kg wet	3.333		82	40-140	4	30	
Diethylphthalate	3.03	0.333	mg/kg wet	3.333		91	40-140	2	30	
Dimethylphthalate	2.99	0.333	mg/kg wet	3.333		90	40-140	3	30	
Di-n-butylphthalate	3.16	0.333	mg/kg wet	3.333		95	40-140	5	30	
Di-n-octylphthalate	2.71	0.333	mg/kg wet	3.333		81	40-140	11	30	
Fluoranthene	3.10	0.333	mg/kg wet	3.333		93	40-140	0.6	30	
Fluorene	3.05	0.333	mg/kg wet	3.333		91	40-140	3	30	
Hexachlorobenzene	2.85	0.167	mg/kg wet	3.333		86	40-140	10	30	
Hexachlorobutadiene	2.54	0.333	mg/kg wet	3.333		76	40-140	7	30	
Hexachlorocyclopentadiene	1.66	1.67	mg/kg wet	3.333		50	40-140	15	30	
Hexachloroethane	2.17	0.333	mg/kg wet	3.333		65	40-140	5	30	
Indeno(1,2,3-cd)Pyrene	3.14	0.333	mg/kg wet	3.333		94	40-140	0.7	30	
Isophorone	1.92	0.333	mg/kg wet	3.333		58	40-140	6	30	
Naphthalene	2.52	0.333	mg/kg wet	3.333		75	40-140	7	30	
Nitrobenzene	2.07	0.333	mg/kg wet	3.333		62	40-140	8	30	
N-Nitrosodimethylamine	1.66	0.333	mg/kg wet	3.333		50	40-140	6	30	
N-Nitroso-Di-n-Propylamine	2.04	0.333	mg/kg wet	3.333		61	40-140	3	30	
N-nitrosodiphenylamine	2.78	0.333	mg/kg wet	3.333		83	40-140	8	30	
Pentachlorophenol	3.24	1.67	mg/kg wet	3.333		97	30-130	5	30	
Phenanthrene	2.88	0.333	mg/kg wet	3.333		86	40-140	5	30	
Phenol	2.44	0.333	mg/kg wet	3.333		73	30-130	4	30	
Pyrene	3.01	0.333	mg/kg wet	3.333		90	40-140	10	30	
Pyridine	1.49	1.67	mg/kg wet	3.333		45	40-140	4	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.55*		mg/kg wet	*3.333*		*76*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.48*		mg/kg wet	*5.000*		*90*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.07*		mg/kg wet	*5.000*		*81*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DI02427 - 3546										
Surrogate: 2-Fluorobiphenyl	*2.68*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: 2-Fluorophenol	*3.84*		mg/kg wet	*5.000*		*77*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.28*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: Phenol-d6	*3.83*		mg/kg wet	*5.000*		*77*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.15*		mg/kg wet	*3.333*		*94*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
D	Diluted.
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: Client

ESS Project ID: 2010659
Date Received: 9/23/2020
Project Due Date: 9/30/2020
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 2.6 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / (NA)
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? Yes / (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA
13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 9/23/20 Time: 15:42 By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	87253	Yes	N/A	Yes	VOA Vial	MeOH	
1	87254	Yes	N/A	Yes	VOA Vial	DI Water	
1	87255	Yes	N/A	Yes	VOA Vial	DI Water	
1	87256	Yes	N/A	Yes	8 oz jar	NP	

2nd Review
Were all containers scanned into storage/lab? Initials: MA (Yes) / No
Are barcode labels on correct containers? Yes / No / NA
Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA
Are all Hex Chrome stickers attached? Yes / No / NA
Are all QC stickers attached? Yes / No / NA
Are VOA stickers attached if bubbles noted? Yes / No / NA

Completed By: Date & Time: 9/23/20 1511
Reviewed By: Date & Time: 9/23/20 15:39
Delivered By: 9/23/20 15:39

CHAIN OF CUSTODY

185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

ESS Lab # 20J0659 | Page 1 of 1

Turn Time: ☐ >5 ☐ 5 ☐ 4 ☐ 3 ☐ 2 ☐ 1 ☐ Same Day

Regulatory State: Criteria:

Is this project for any of the following?: ☐ CT RCP ☐ MA MCP ☐ RGP ☐ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF): ☐ Limit Checker ☐ State Forms ☐ EQuIS ☐ Excel ☐ Hard Copy ☐ Enviro Data ☐ CLP-Like Package ☐ Other (Specify) →

CLIENT INFORMATION

Client: GZA GeoEnvironmental
Address: 188 Valley Street
Providence, R.I.
Phone: 401-421-4140
Email Distribution List: SARA.HAUPT @ GZA.COM

PROJECT INFORMATION

Project Name: NGRID 642
Project Location: ALLENS AVE PROVIDENCE, RI
Project Number: 33559.04 / 6.2
Project Manager:
Bill to: GZA
P.O.#: SARA HAUPT
Quote#:

Client acknowledges that sampling is compliant with all BPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	VOC 8260	SVOC 8270	T. Metals PPB 6010	TPH-8100 M	Total Number of Bottles
	~~9.23.20~~	~~1130~~	~~COMP~~	~~SOIL~~		~~X~~	~~X~~	~~X~~	~~X~~	
1	9.23.20	1130	COMP	SOIL	SP092320	X	X	X	X	

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial

Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*

Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*

Sampled by :

Chain needs to be filled out neatly and completely for on time delivery.

Laboratory Use Only
Cooler Temperature (°C): 2.6 ice

Comments: * Please specify "Other" preservative and containers types in this space

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration ☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
[signature]	9.23.20	13:45	Amber Faucia				

CERTIFICATE OF ANALYSIS

Sara Haupt
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: FPLP (03.0033554.04 Task 6.2)
ESS Laboratory Work Order Number: 21D0181

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 6:07 pm, Apr 08, 2021

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

SAMPLE RECEIPT

The following samples were received on April 07, 2021 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on April 7, 2021 at 1335.

Lab Number	Sample Name	Matrix	Analysis
21D0181-01	1.5 Dense Grade	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
21D0181-02	1.5 Dense Grade	Soil	6010C

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

PROJECT NARRATIVE

8270D Semi-Volatile Organic Compounds

D1D0079-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (70% @ 80-120%), 4,6-Dinitro-2-Methylphenol (88% @ 80-120%), Benzoic Acid (84% @ 80-120%), Di-n-octylphthalate (114% @ 80-120%), Pentachlorophenol (96% @ 80-120%)

D1D0079-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Pyridine (28% @ 20%)

D1D0079-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
2,4-Dinitrophenol (30% @ 20%)

D1D0127-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (121% @ 80-120%), 4,6-Dinitro-2-Methylphenol (113% @ 80-120%), Benzoic Acid (115% @ 80-120%), Pentachlorophenol (112% @ 80-120%)

D1D0127-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2,4-Dinitrophenol (21% @ 20%)

DD10608-BS1 **Blank Spike recovery is below lower control limit (B-).**
4-Chloroaniline (32% @ 40-140%), Aniline (36% @ 40-140%), Hexachlorocyclopentadiene (39% @ 40-140%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: 1.5 Dense Grade
Date Sampled: 04/07/21 11:00
Percent Solids: 98

ESS Laboratory Work Order: 21D0181
ESS Laboratory Sample ID: 21D0181-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (5.07)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Arsenic	ND (2.54)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Beryllium	**0.18** (0.11)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Cadmium	ND (0.51)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Chromium	**11.6** (1.01)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Copper	**11.8** (2.54)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Lead	ND (5.07)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Mercury	ND (0.033)		7471B		1	JRB	04/08/21 16:04	0.61	40	DD10665
Nickel	**6.73** (2.54)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Selenium	ND (5.07)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Silver	ND (0.51)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Thallium	ND (5.07)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Zinc	**28.4** (2.54)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: 1.5 Dense Grade
Date Sampled: 04/07/21 11:00
Percent Solids: 98
Initial Volume: 13
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21D0181
ESS Laboratory Sample ID: 21D0181-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,1,1-Trichloroethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,1,2,2-Tetrachloroethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,1,2-Trichloroethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,1-Dichloroethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,1-Dichloroethene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,1-Dichloropropene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,2,3-Trichlorobenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,2,3-Trichloropropane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,2,4-Trichlorobenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,2,4-Trimethylbenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,2-Dibromo-3-Chloropropane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,2-Dibromoethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,2-Dichlorobenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,2-Dichloroethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,2-Dichloropropane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,3,5-Trimethylbenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,3-Dichlorobenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,3-Dichloropropane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,4-Dichlorobenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,4-Dioxane	ND (0.0392)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1-Chlorohexane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
2,2-Dichloropropane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
2-Butanone	ND (0.0196)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
2-Chlorotoluene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
2-Hexanone	ND (0.0196)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
4-Chlorotoluene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
4-Isopropyltoluene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
4-Methyl-2-Pentanone	ND (0.0196)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Acetone	ND (0.0196)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Benzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Bromobenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: 1.5 Dense Grade
Date Sampled: 04/07/21 11:00
Percent Solids: 98
Initial Volume: 13
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21D0181
ESS Laboratory Sample ID: 21D0181-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Bromodichloromethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Bromoform	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Bromomethane	ND (0.0039)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Carbon Disulfide	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Carbon Tetrachloride	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Chlorobenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Chloroethane	ND (0.0039)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Chloroform	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Chloromethane	ND (0.0039)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
cis-1,2-Dichloroethene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
cis-1,3-Dichloropropene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Dibromochloromethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Dibromomethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Dichlorodifluoromethane	ND (0.0039)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Diethyl Ether	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Di-isopropyl ether	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Ethyl tertiary-butyl ether	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Ethylbenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Hexachlorobutadiene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Isopropylbenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Methyl tert-Butyl Ether	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Methylene Chloride	ND (0.0098)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Naphthalene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
n-Butylbenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
n-Propylbenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
sec-Butylbenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Styrene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
tert-Butylbenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Tertiary-amyl methyl ether	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Tetrachloroethene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Tetrahydrofuran	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: 1.5 Dense Grade
Date Sampled: 04/07/21 11:00
Percent Solids: 98
Initial Volume: 13
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21D0181
ESS Laboratory Sample ID: 21D0181-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
trans-1,2-Dichloroethene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
trans-1,3-Dichloropropene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Trichloroethene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Trichlorofluoromethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Vinyl Acetate	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Vinyl Chloride	ND (0.0039)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Xylene O	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Xylene P,M	ND (0.0039)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Xylenes (Total)	ND (0.00392)		8260B Low		1	04/07/21 19:42		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*107 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*102 %*		*70-130*
Surrogate: Dibromofluoromethane	*103 %*		*70-130*
Surrogate: Toluene-d8	*101 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: 1.5 Dense Grade
Date Sampled: 04/07/21 11:00
Percent Solids: 98
Initial Volume: 19
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21D0181
ESS Laboratory Sample ID: 21D0181-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 4/7/21 21:15

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (40.3)		8100M		1	04/08/21 14:12	D1D0136	DD10725

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*83 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: 1.5 Dense Grade
Date Sampled: 04/07/21 11:00
Percent Solids: 98
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21D0181
ESS Laboratory Sample ID: 21D0181-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/7/21 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
1,2,4-Trichlorobenzene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
1,2-Dichlorobenzene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
1,3-Dichlorobenzene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
1,4-Dichlorobenzene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2,3,4,6-Tetrachlorophenol	ND (1.75)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2,4,5-Trichlorophenol	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2,4,6-Trichlorophenol	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2,4-Dichlorophenol	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2,4-Dimethylphenol	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2,4-Dinitrophenol	ND (1.75)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2,4-Dinitrotoluene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2,6-Dinitrotoluene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2-Chloronaphthalene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2-Chlorophenol	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2-Methylnaphthalene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2-Methylphenol	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2-Nitroaniline	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2-Nitrophenol	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
3,3´-Dichlorobenzidine	ND (0.699)		8270D		1	04/07/21 21:52	D1D0127	DD10608
3+4-Methylphenol	ND (0.699)		8270D		1	04/07/21 21:52	D1D0127	DD10608
3-Nitroaniline	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
4,6-Dinitro-2-Methylphenol	ND (1.75)		8270D		1	04/07/21 21:52	D1D0127	DD10608
4-Bromophenyl-phenylether	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
4-Chloro-3-Methylphenol	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
4-Chloroaniline	ND (0.699)		8270D		1	04/07/21 21:52	D1D0127	DD10608
4-Chloro-phenyl-phenyl ether	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
4-Nitroaniline	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
4-Nitrophenol	ND (1.75)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Acenaphthene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Acenaphthylene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Acetophenone	ND (0.699)		8270D		1	04/07/21 21:52	D1D0127	DD10608

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: 1.5 Dense Grade
Date Sampled: 04/07/21 11:00
Percent Solids: 98
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21D0181
ESS Laboratory Sample ID: 21D0181-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/7/21 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.699)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Anthracene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Azobenzene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Benzo(a)anthracene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Benzo(a)pyrene	ND (0.175)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Benzo(b)fluoranthene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Benzo(g,h,i)perylene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Benzo(k)fluoranthene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Benzoic Acid	ND (1.75)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Benzyl Alcohol	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
bis(2-Chloroethoxy)methane	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
bis(2-Chloroethyl)ether	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
bis(2-chloroisopropyl)Ether	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
bis(2-Ethylhexyl)phthalate	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Butylbenzylphthalate	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Carbazole	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Chrysene	ND (0.175)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Dibenzo(a,h)Anthracene	ND (0.175)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Dibenzofuran	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Diethylphthalate	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Dimethylphthalate	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Di-n-butylphthalate	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Di-n-octylphthalate	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Fluoranthene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Fluorene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Hexachlorobenzene	ND (0.175)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Hexachlorobutadiene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Hexachlorocyclopentadiene	ND (1.75)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Hexachloroethane	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Indeno(1,2,3-cd)Pyrene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Isophorone	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Naphthalene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: 1.5 Dense Grade
Date Sampled: 04/07/21 11:00
Percent Solids: 98
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21D0181
ESS Laboratory Sample ID: 21D0181-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/7/21 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
N-Nitrosodimethylamine	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
N-Nitroso-Di-n-Propylamine	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
N-nitrosodiphenylamine	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Pentachlorophenol	ND (1.75)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Phenanthrene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Phenol	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Pyrene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Pyridine	ND (1.75)		8270D		1	04/07/21 21:52	D1D0127	DD10608

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*62 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*72 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*65 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*62 %*		*30-130*
Surrogate: 2-Fluorophenol	*63 %*		*30-130*
Surrogate: Nitrobenzene-d5	*62 %*		*30-130*
Surrogate: Phenol-d6	*67 %*		*30-130*
Surrogate: p-Terphenyl-d14	*67 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: 1.5 Dense Grade
Date Sampled: 04/07/21 11:00
Percent Solids: 98

ESS Laboratory Work Order: 21D0181
ESS Laboratory Sample ID: 21D0181-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.43)		6010C		1	BJV	04/08/21 12:52	2.1	100	DD10664

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DD10664 - 3050B										
Blank										
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	5.00	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	37.1	16.4	mg/kg wet	42.00		88	80-120			
Arsenic	34.4	8.20	mg/kg wet	43.10		80	63-136			
Arsenic	34.4	8.20	mg/kg wet	43.10		80	63-136			
Beryllium	106	0.36	mg/kg wet	117.0		91	80-120			
Cadmium	99.2	1.64	mg/kg wet	118.0		84	80-120			
Chromium	265	3.28	mg/kg wet	299.0		89	80-120			
Copper	295	8.20	mg/kg wet	330.0		89	80-120			
Lead	127	16.4	mg/kg wet	144.0		88	80-120			
Nickel	154	8.20	mg/kg wet	171.0		90	80-120			
Selenium	127	16.4	mg/kg wet	154.0		82	80-120			
Silver	65.3	1.64	mg/kg wet	73.50		89	80-120			
Thallium	40.4	16.4	mg/kg wet				80-120			
Zinc	741	8.20	mg/kg wet	874.0		85	80-120			
LCS										
Antimony	98.2	15.6	mg/kg wet	244.0		40	80-120			
Arsenic	132	7.81	mg/kg wet	178.0		74	80-120			
Arsenic	132	7.81	mg/kg wet	178.0		74	80-120			
Beryllium	141	0.34	mg/kg wet	172.0		82	80-120			
Cadmium	113	1.56	mg/kg wet	151.0		75	80-120			
Chromium	102	3.12	mg/kg wet	126.0		81	80-120			
Copper	121	7.81	mg/kg wet	151.0		80	80-120			
Lead	61.7	15.6	mg/kg wet	76.10		81	80-120			
Nickel	73.6	7.81	mg/kg wet	89.20		82	80-120			
Selenium	140	15.6	mg/kg wet	189.0		74	80-120			
Silver	19.3	1.56	mg/kg wet	25.60		75	80-120			
Thallium	77.7	15.6	mg/kg wet	97.40		80	73-108			
Zinc	256	7.81	mg/kg wet	335.0		76	80-120			
LCS Dup										
Antimony	37.4	15.2	mg/kg wet	42.00		89	80-120	0.7	20	
Arsenic	34.2	7.58	mg/kg wet	43.10		79	63-136	0.6	20	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DD10664 - 3050B										
Arsenic	34.2	7.58	mg/kg wet	43.10		79	63-136	0.6	20	
Beryllium	105	0.33	mg/kg wet	117.0		90	80-120	0.8	20	
Cadmium	97.0	1.52	mg/kg wet	118.0		82	80-120	2	20	
Chromium	260	3.03	mg/kg wet	299.0		87	80-120	2	20	
Copper	294	7.58	mg/kg wet	330.0		89	80-120	0.3	20	
Lead	127	15.2	mg/kg wet	144.0		88	80-120	0.2	20	
Nickel	152	7.58	mg/kg wet	171.0		89	80-120	0.9	20	
Selenium	125	15.2	mg/kg wet	154.0		81	80-120	1	20	
Silver	64.4	1.52	mg/kg wet	73.50		88	80-120	1	20	
Thallium	39.0	15.2	mg/kg wet				80-120	3	20	
Zinc	727	7.58	mg/kg wet	874.0		83	80-120	2	20	
LCS Dup										
Antimony	99.4	16.1	mg/kg wet	244.0		41	80-120	1	20	
Arsenic	128	8.06	mg/kg wet	178.0		72	80-120	3	20	
Arsenic	128	8.06	mg/kg wet	178.0		72	80-120	3	20	
Beryllium	142	0.35	mg/kg wet	172.0		83	80-120	1	20	
Cadmium	118	1.61	mg/kg wet	151.0		78	80-120	4	20	
Chromium	101	3.23	mg/kg wet	126.0		80	80-120	2	20	
Copper	123	8.06	mg/kg wet	151.0		81	80-120	2	20	
Lead	61.5	16.1	mg/kg wet	76.10		81	80-120	0.4	20	
Nickel	74.6	8.06	mg/kg wet	89.20		84	80-120	1	20	
Selenium	139	16.1	mg/kg wet	189.0		73	80-120	0.6	20	
Silver	18.8	1.61	mg/kg wet	25.60		74	80-120	2	20	
Thallium	74.0	16.1	mg/kg wet	97.40		76	73-108	5	20	
Zinc	255	8.06	mg/kg wet	335.0		76	80-120	0.2	20	
Batch DD10665 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	23.9	3.25	mg/kg wet	27.90		86	80-120			
LCS Dup										
Mercury	23.8	2.96	mg/kg wet	27.90		85	80-120	0.3	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD10724 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD10724 - 5035										
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD10724 - 5035										
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0527*		mg/kg wet	*0.05000*		*105*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0509*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0500*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.0510*		mg/kg wet	*0.05000*		*102*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0472	0.0050	mg/kg wet	0.05000		94	70-130			
1,1,1-Trichloroethane	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
1,1,2,2-Tetrachloroethane	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
1,1,2-Trichloroethane	0.0450	0.0050	mg/kg wet	0.05000		90	70-130			
1,1-Dichloroethane	0.0461	0.0050	mg/kg wet	0.05000		92	70-130			
1,1-Dichloroethene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130			
1,1-Dichloropropene	0.0479	0.0050	mg/kg wet	0.05000		96	70-130			
1,2,3-Trichlorobenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
1,2,3-Trichloropropane	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
1,2,4-Trichlorobenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
1,2,4-Trimethylbenzene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
1,2-Dibromo-3-Chloropropane	0.0443	0.0050	mg/kg wet	0.05000		89	70-130			
1,2-Dibromoethane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
1,2-Dichlorobenzene	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
1,2-Dichloroethane	0.0450	0.0050	mg/kg wet	0.05000		90	70-130			
1,2-Dichloropropane	0.0454	0.0050	mg/kg wet	0.05000		91	70-130			
1,3,5-Trimethylbenzene	0.0475	0.0050	mg/kg wet	0.05000		95	70-130			
1,3-Dichlorobenzene	0.0471	0.0050	mg/kg wet	0.05000		94	70-130			
1,3-Dichloropropane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
1,4-Dichlorobenzene	0.0458	0.0050	mg/kg wet	0.05000		92	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD10724 - 5035										
1,4-Dioxane	0.913	0.100	mg/kg wet	1.000		91	70-130			
1-Chlorohexane	0.0426	0.0050	mg/kg wet	0.05000		85	70-130			
2,2-Dichloropropane	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
2-Butanone	0.216	0.0500	mg/kg wet	0.2500		86	70-130			
2-Chlorotoluene	0.0467	0.0050	mg/kg wet	0.05000		93	70-130			
2-Hexanone	0.207	0.0500	mg/kg wet	0.2500		83	70-130			
4-Chlorotoluene	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
4-Isopropyltoluene	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
4-Methyl-2-Pentanone	0.209	0.0500	mg/kg wet	0.2500		84	70-130			
Acetone	0.212	0.0500	mg/kg wet	0.2500		85	70-130			
Benzene	0.0451	0.0050	mg/kg wet	0.05000		90	70-130			
Bromobenzene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
Bromochloromethane	0.0446	0.0050	mg/kg wet	0.05000		89	70-130			
Bromodichloromethane	0.0447	0.0050	mg/kg wet	0.05000		89	70-130			
Bromoform	0.0430	0.0050	mg/kg wet	0.05000		86	70-130			
Bromomethane	0.0426	0.0100	mg/kg wet	0.05000		85	70-130			
Carbon Disulfide	0.0456	0.0050	mg/kg wet	0.05000		91	70-130			
Carbon Tetrachloride	0.0467	0.0050	mg/kg wet	0.05000		93	70-130			
Chlorobenzene	0.0448	0.0050	mg/kg wet	0.05000		90	70-130			
Chloroethane	0.0397	0.0100	mg/kg wet	0.05000		79	70-130			
Chloroform	0.0451	0.0050	mg/kg wet	0.05000		90	70-130			
Chloromethane	0.0460	0.0100	mg/kg wet	0.05000		92	70-130			
cis-1,2-Dichloroethene	0.0461	0.0050	mg/kg wet	0.05000		92	70-130			
cis-1,3-Dichloropropene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
Dibromochloromethane	0.0450	0.0050	mg/kg wet	0.05000		90	70-130			
Dibromomethane	0.0447	0.0050	mg/kg wet	0.05000		89	70-130			
Dichlorodifluoromethane	0.0440	0.0100	mg/kg wet	0.05000		88	70-130			
Diethyl Ether	0.0451	0.0050	mg/kg wet	0.05000		90	70-130			
Di-isopropyl ether	0.0426	0.0050	mg/kg wet	0.05000		85	70-130			
Ethyl tertiary-butyl ether	0.0463	0.0050	mg/kg wet	0.05000		93	70-130			
Ethylbenzene	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
Hexachlorobutadiene	0.0466	0.0050	mg/kg wet	0.05000		93	70-130			
Isopropylbenzene	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
Methyl tert-Butyl Ether	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
Methylene Chloride	0.0501	0.0250	mg/kg wet	0.05000		100	70-130			
Naphthalene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
n-Butylbenzene	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
n-Propylbenzene	0.0467	0.0050	mg/kg wet	0.05000		93	70-130			
sec-Butylbenzene	0.0450	0.0050	mg/kg wet	0.05000		90	70-130			
Styrene	0.0465	0.0050	mg/kg wet	0.05000		93	70-130			
tert-Butylbenzene	0.0463	0.0050	mg/kg wet	0.05000		93	70-130			
Tertiary-amyl methyl ether	0.0428	0.0050	mg/kg wet	0.05000		86	70-130			
Tetrachloroethene	0.0421	0.0050	mg/kg wet	0.05000		84	70-130			
Tetrahydrofuran	0.0402	0.0050	mg/kg wet	0.05000		80	70-130			
Toluene	0.0451	0.0050	mg/kg wet	0.05000		90	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD10724 - 5035										
trans-1,2-Dichloroethene	0.0466	0.0050	mg/kg wet	0.05000		93	70-130			
trans-1,3-Dichloropropene	0.0439	0.0050	mg/kg wet	0.05000		88	70-130			
Trichloroethene	0.0441	0.0050	mg/kg wet	0.05000		88	70-130			
Trichlorofluoromethane	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
Vinyl Acetate	0.0435	0.0050	mg/kg wet	0.05000		87	70-130			
Vinyl Chloride	0.0492	0.0100	mg/kg wet	0.05000		98	70-130			
Xylene O	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
Xylene P,M	0.0976	0.0100	mg/kg wet	0.1000		98	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0486*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0493*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0497*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Toluene-d8	*0.0511*		mg/kg wet	*0.05000*		*102*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	7	25	
1,1,1-Trichloroethane	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	8	25	
1,1,2,2-Tetrachloroethane	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	3	25	
1,1,2-Trichloroethane	0.0472	0.0050	mg/kg wet	0.05000		94	70-130	5	25	
1,1-Dichloroethane	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	6	25	
1,1-Dichloroethene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	8	25	
1,1-Dichloropropene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	6	25	
1,2,3-Trichlorobenzene	0.0529	0.0050	mg/kg wet	0.05000		106	70-130	5	25	
1,2,3-Trichloropropane	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	5	25	
1,2,4-Trichlorobenzene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	5	25	
1,2,4-Trimethylbenzene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	5	25	
1,2-Dibromo-3-Chloropropane	0.0470	0.0050	mg/kg wet	0.05000		94	70-130	6	25	
1,2-Dibromoethane	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	8	25	
1,2-Dichlorobenzene	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	5	25	
1,2-Dichloroethane	0.0470	0.0050	mg/kg wet	0.05000		94	70-130	4	25	
1,2-Dichloropropane	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	6	25	
1,3,5-Trimethylbenzene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	5	25	
1,3-Dichlorobenzene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	3	25	
1,3-Dichloropropane	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	8	25	
1,4-Dichlorobenzene	0.0475	0.0050	mg/kg wet	0.05000		95	70-130	4	25	
1,4-Dioxane	0.946	0.100	mg/kg wet	1.000		95	70-130	4	20	
1-Chlorohexane	0.0469	0.0050	mg/kg wet	0.05000		94	70-130	10	25	
2,2-Dichloropropane	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	7	25	
2-Butanone	0.234	0.0500	mg/kg wet	0.2500		93	70-130	8	25	
2-Chlorotoluene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	4	25	
2-Hexanone	0.227	0.0500	mg/kg wet	0.2500		91	70-130	9	25	
4-Chlorotoluene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	5	25	
4-Isopropyltoluene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130	6	25	
4-Methyl-2-Pentanone	0.221	0.0500	mg/kg wet	0.2500		89	70-130	6	25	
Acetone	0.258	0.0500	mg/kg wet	0.2500		103	70-130	20	25	
Benzene	0.0477	0.0050	mg/kg wet	0.05000		95	70-130	6	25	
Bromobenzene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	3	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch DD10724 - 5035										
Bromochloromethane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130	6	25	
Bromodichloromethane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130	6	25	
Bromoform	0.0462	0.0050	mg/kg wet	0.05000		92	70-130	7	25	
Bromomethane	0.0449	0.0100	mg/kg wet	0.05000		90	70-130	5	25	
Carbon Disulfide	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	6	25	
Carbon Tetrachloride	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	7	25	
Chlorobenzene	0.0486	0.0050	mg/kg wet	0.05000		97	70-130	8	25	
Chloroethane	0.0493	0.0100	mg/kg wet	0.05000		99	70-130	22	25	
Chloroform	0.0478	0.0050	mg/kg wet	0.05000		96	70-130	6	25	
Chloromethane	0.0479	0.0100	mg/kg wet	0.05000		96	70-130	4	25	
cis-1,2-Dichloroethene	0.0488	0.0050	mg/kg wet	0.05000		98	70-130	6	25	
cis-1,3-Dichloropropene	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	6	25	
Dibromochloromethane	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	8	25	
Dibromomethane	0.0472	0.0050	mg/kg wet	0.05000		94	70-130	5	25	
Dichlorodifluoromethane	0.0458	0.0100	mg/kg wet	0.05000		92	70-130	4	25	
Diethyl Ether	0.0479	0.0050	mg/kg wet	0.05000		96	70-130	6	25	
Di-isopropyl ether	0.0454	0.0050	mg/kg wet	0.05000		91	70-130	6	25	
Ethyl tertiary-butyl ether	0.0495	0.0050	mg/kg wet	0.05000		99	70-130	7	25	
Ethylbenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	9	25	
Hexachlorobutadiene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	7	25	
Isopropylbenzene	0.0486	0.0050	mg/kg wet	0.05000		97	70-130	6	25	
Methyl tert-Butyl Ether	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	6	25	
Methylene Chloride	0.0522	0.0250	mg/kg wet	0.05000		104	70-130	4	25	
Naphthalene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	5	25	
n-Butylbenzene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	5	25	
n-Propylbenzene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	5	25	
sec-Butylbenzene	0.0473	0.0050	mg/kg wet	0.05000		95	70-130	5	25	
Styrene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	10	25	
tert-Butylbenzene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130	6	25	
Tertiary-amyl methyl ether	0.0452	0.0050	mg/kg wet	0.05000		90	70-130	5	25	
Tetrachloroethene	0.0457	0.0050	mg/kg wet	0.05000		91	70-130	8	25	
Tetrahydrofuran	0.0430	0.0050	mg/kg wet	0.05000		86	70-130	7	25	
Toluene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	5	25	
trans-1,2-Dichloroethene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	6	25	
trans-1,3-Dichloropropene	0.0464	0.0050	mg/kg wet	0.05000		93	70-130	6	25	
Trichloroethene	0.0475	0.0050	mg/kg wet	0.05000		95	70-130	7	25	
Trichlorofluoromethane	0.0494	0.0050	mg/kg wet	0.05000		99	70-130	7	25	
Vinyl Acetate	0.0467	0.0050	mg/kg wet	0.05000		93	70-130	7	25	
Vinyl Chloride	0.0512	0.0100	mg/kg wet	0.05000		102	70-130	4	25	
Xylene O	0.0520	0.0050	mg/kg wet	0.05000		104	70-130	9	25	
Xylene P,M	0.108	0.0100	mg/kg wet	0.1000		108	70-130	10	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0491*		mg/kg wet	*0.05000*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0518*		mg/kg wet	*0.05000*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0501*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.0527*		mg/kg wet	*0.05000*		*105*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DD10725 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.82*		mg/kg wet	*5.000*		*96*	*40-140*			
LCS										
Decane (C10)	1.8	0.2	mg/kg wet	2.500		71	40-140			
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Dodecane (C12)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		86	40-140			
Hexacosane (C26)	2.1	0.2	mg/kg wet	2.500		86	40-140			
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		86	40-140			
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		90	40-140			
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		72	30-140			
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		86	40-140			
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		86	40-140			
Tetradecane (C14)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Total Petroleum Hydrocarbons	30.1	37.5	mg/kg wet	35.00		86	40-140			
Triacontane (C30)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Surrogate: O-Terphenyl	*4.58*		mg/kg wet	*5.000*		*92*	*40-140*			
LCS Dup										
Decane (C10)	1.7	0.2	mg/kg wet	2.500		68	40-140	4	25	
Docosane (C22)	2.1	0.2	mg/kg wet	2.500		84	40-140	3	25	
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		80	40-140	4	25	
Eicosane (C20)	2.1	0.2	mg/kg wet	2.500		83	40-140	3	25	
Hexacosane (C26)	2.1	0.2	mg/kg wet	2.500		83	40-140	3	25	
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		83	40-140	3	25	
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		87	40-140	4	25	
Nonane (C9)	1.7	0.2	mg/kg wet	2.500		70	30-140	3	25	
Octacosane (C28)	2.1	0.2	mg/kg wet	2.500		83	40-140	3	25	
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		83	40-140	3	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DD10725 - 3546										
Tetracosane (C24)	2.1	0.2	mg/kg wet	2.500		83	40-140	3	25	
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		81	40-140	4	25	
Total Petroleum Hydrocarbons	29.0	37.5	mg/kg wet	35.00		83	40-140	4	25	
Triacontane (C30)	2.0	0.2	mg/kg wet	2.500		82	40-140	3	25	
Surrogate: O-Terphenyl	*4.39*		mg/kg wet	*5.000*		*88*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DD10608 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD10608 - 3546										
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.10*		mg/kg wet	*3.333*		*63*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.78*		mg/kg wet	*5.000*		*56*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.28*		mg/kg wet	*5.000*		*66*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.23*		mg/kg wet	*3.333*		*67*	*30-130*			
Surrogate: 2-Fluorophenol	*3.54*		mg/kg wet	*5.000*		*71*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.14*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: Phenol-d6	*3.46*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.38*		mg/kg wet	*3.333*		*102*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD10608 - 3546										
LCS										
1,1-Biphenyl	1.86	0.333	mg/kg wet	3.333		56	40-140			
1,2,4-Trichlorobenzene	1.68	0.333	mg/kg wet	3.333		51	40-140			
1,2-Dichlorobenzene	1.71	0.333	mg/kg wet	3.333		51	40-140			
1,3-Dichlorobenzene	1.73	0.333	mg/kg wet	3.333		52	40-140			
1,4-Dichlorobenzene	1.72	0.333	mg/kg wet	3.333		52	40-140			
2,3,4,6-Tetrachlorophenol	2.09	1.67	mg/kg wet	3.333		63	30-130			
2,4,5-Trichlorophenol	2.09	0.333	mg/kg wet	3.333		63	30-130			
2,4,6-Trichlorophenol	2.00	0.333	mg/kg wet	3.333		60	30-130			
2,4-Dichlorophenol	1.99	0.333	mg/kg wet	3.333		60	30-130			
2,4-Dimethylphenol	1.90	0.333	mg/kg wet	3.333		57	30-130			
2,4-Dinitrophenol	1.91	1.67	mg/kg wet	3.333		57	30-130			
2,4-Dinitrotoluene	2.38	0.333	mg/kg wet	3.333		71	40-140			
2,6-Dinitrotoluene	2.23	0.333	mg/kg wet	3.333		67	40-140			
2-Chloronaphthalene	1.71	0.333	mg/kg wet	3.333		51	40-140			
2-Chlorophenol	1.89	0.333	mg/kg wet	3.333		57	30-130			
2-Methylnaphthalene	1.83	0.333	mg/kg wet	3.333		55	40-140			
2-Methylphenol	1.97	0.333	mg/kg wet	3.333		59	30-130			
2-Nitroaniline	1.61	0.333	mg/kg wet	3.333		48	40-140			
2-Nitrophenol	1.79	0.333	mg/kg wet	3.333		54	30-130			
3,3´-Dichlorobenzidine	1.91	0.667	mg/kg wet	3.333		57	40-140			
3+4-Methylphenol	4.23	0.667	mg/kg wet	6.667		63	30-130			
3-Nitroaniline	1.88	0.333	mg/kg wet	3.333		56	40-140			
4,6-Dinitro-2-Methylphenol	2.53	1.67	mg/kg wet	3.333		76	30-130			
4-Bromophenyl-phenylether	2.22	0.333	mg/kg wet	3.333		66	40-140			
4-Chloro-3-Methylphenol	2.13	0.333	mg/kg wet	3.333		64	30-130			
4-Chloroaniline	1.07	0.667	mg/kg wet	3.333		32	40-140			B-
4-Chloro-phenyl-phenyl ether	2.05	0.333	mg/kg wet	3.333		62	40-140			
4-Nitroaniline	2.26	0.333	mg/kg wet	3.333		68	40-140			
4-Nitrophenol	1.97	1.67	mg/kg wet	3.333		59	30-130			
Acenaphthene	1.80	0.333	mg/kg wet	3.333		54	40-140			
Acenaphthylene	1.84	0.333	mg/kg wet	3.333		55	40-140			
Acetophenone	1.86	0.667	mg/kg wet	3.333		56	40-140			
Aniline	1.20	0.667	mg/kg wet	3.333		36	40-140			B-
Anthracene	2.43	0.333	mg/kg wet	3.333		73	40-140			
Azobenzene	2.19	0.333	mg/kg wet	3.333		66	40-140			
Benzo(a)anthracene	2.72	0.333	mg/kg wet	3.333		82	40-140			
Benzo(a)pyrene	2.48	0.167	mg/kg wet	3.333		74	40-140			
Benzo(b)fluoranthene	2.53	0.333	mg/kg wet	3.333		76	40-140			
Benzo(g,h,i)perylene	2.52	0.333	mg/kg wet	3.333		76	40-140			
Benzo(k)fluoranthene	2.58	0.333	mg/kg wet	3.333		77	40-140			
Benzoic Acid	1.86	1.67	mg/kg wet	3.333		56	40-140			
Benzyl Alcohol	1.67	0.333	mg/kg wet	3.333		50	40-140			
bis(2-Chloroethoxy)methane	1.90	0.333	mg/kg wet	3.333		57	40-140			
bis(2-Chloroethyl)ether	1.77	0.333	mg/kg wet	3.333		53	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD10608 - 3546										
bis(2-chloroisopropyl)Ether	1.76	0.333	mg/kg wet	3.333		53	40-140			
bis(2-Ethylhexyl)phthalate	2.41	0.333	mg/kg wet	3.333		72	40-140			
Butylbenzylphthalate	2.37	0.333	mg/kg wet	3.333		71	40-140			
Carbazole	2.59	0.333	mg/kg wet	3.333		78	40-140			
Chrysene	2.51	0.167	mg/kg wet	3.333		75	40-140			
Dibenzo(a,h)Anthracene	2.46	0.167	mg/kg wet	3.333		74	40-140			
Dibenzofuran	2.00	0.333	mg/kg wet	3.333		60	40-140			
Diethylphthalate	2.32	0.333	mg/kg wet	3.333		70	40-140			
Dimethylphthalate	2.17	0.333	mg/kg wet	3.333		65	40-140			
Di-n-butylphthalate	2.43	0.333	mg/kg wet	3.333		73	40-140			
Di-n-octylphthalate	2.53	0.333	mg/kg wet	3.333		76	40-140			
Fluoranthene	2.60	0.333	mg/kg wet	3.333		78	40-140			
Fluorene	2.14	0.333	mg/kg wet	3.333		64	40-140			
Hexachlorobenzene	2.34	0.167	mg/kg wet	3.333		70	40-140			
Hexachlorobutadiene	1.65	0.333	mg/kg wet	3.333		50	40-140			
Hexachlorocyclopentadiene	1.31	1.67	mg/kg wet	3.333		39	40-140			B-
Hexachloroethane	1.74	0.333	mg/kg wet	3.333		52	40-140			
Indeno(1,2,3-cd)Pyrene	2.35	0.333	mg/kg wet	3.333		70	40-140			
Isophorone	1.65	0.333	mg/kg wet	3.333		50	40-140			
Naphthalene	1.74	0.333	mg/kg wet	3.333		52	40-140			
Nitrobenzene	1.70	0.333	mg/kg wet	3.333		51	40-140			
N-Nitrosodimethylamine	1.41	0.333	mg/kg wet	3.333		42	40-140			
N-Nitroso-Di-n-Propylamine	1.74	0.333	mg/kg wet	3.333		52	40-140			
N-nitrosodiphenylamine	2.47	0.333	mg/kg wet	3.333		74	40-140			
Pentachlorophenol	2.41	1.67	mg/kg wet	3.333		72	30-130			
Phenanthrene	2.30	0.333	mg/kg wet	3.333		69	40-140			
Phenol	2.03	0.333	mg/kg wet	3.333		61	30-130			
Pyrene	2.63	0.333	mg/kg wet	3.333		79	40-140			
Pyridine	1.79	1.67	mg/kg wet	3.333		54	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.00*		mg/kg wet	*3.333*		*60*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.79*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.23*		mg/kg wet	*5.000*		*65*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.17*		mg/kg wet	*3.333*		*65*	*30-130*			
Surrogate: 2-Fluorophenol	*3.41*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.08*		mg/kg wet	*3.333*		*62*	*30-130*			
Surrogate: Phenol-d6	*3.41*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.14*		mg/kg wet	*3.333*		*94*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.02	0.333	mg/kg wet	3.333		61	40-140	8	30	
1,2,4-Trichlorobenzene	1.79	0.333	mg/kg wet	3.333		54	40-140	6	30	
1,2-Dichlorobenzene	1.78	0.333	mg/kg wet	3.333		53	40-140	4	30	
1,3-Dichlorobenzene	1.76	0.333	mg/kg wet	3.333		53	40-140	2	30	
1,4-Dichlorobenzene	1.77	0.333	mg/kg wet	3.333		53	40-140	3	30	
2,3,4,6-Tetrachlorophenol	2.26	1.67	mg/kg wet	3.333		68	30-130	8	30	
2,4,5-Trichlorophenol	2.27	0.333	mg/kg wet	3.333		68	30-130	8	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD10608 - 3546										
2,4,6-Trichlorophenol	2.18	0.333	mg/kg wet	3.333		65	30-130	9	30	
2,4-Dichlorophenol	2.19	0.333	mg/kg wet	3.333		66	30-130	9	30	
2,4-Dimethylphenol	2.07	0.333	mg/kg wet	3.333		62	30-130	9	30	
2,4-Dinitrophenol	2.04	1.67	mg/kg wet	3.333		61	30-130	7	30	
2,4-Dinitrotoluene	2.51	0.333	mg/kg wet	3.333		75	40-140	6	30	
2,6-Dinitrotoluene	2.40	0.333	mg/kg wet	3.333		72	40-140	8	30	
2-Chloronaphthalene	1.87	0.333	mg/kg wet	3.333		56	40-140	9	30	
2-Chlorophenol	1.97	0.333	mg/kg wet	3.333		59	30-130	4	30	
2-Methylnaphthalene	1.98	0.333	mg/kg wet	3.333		59	40-140	8	30	
2-Methylphenol	2.10	0.333	mg/kg wet	3.333		63	30-130	6	30	
2-Nitroaniline	1.76	0.333	mg/kg wet	3.333		53	40-140	9	30	
2-Nitrophenol	1.90	0.333	mg/kg wet	3.333		57	30-130	6	30	
3,3´-Dichlorobenzidine	2.58	0.667	mg/kg wet	3.333		77	40-140	30	30	
3+4-Methylphenol	4.47	0.667	mg/kg wet	6.667		67	30-130	6	30	
3-Nitroaniline	2.19	0.333	mg/kg wet	3.333		66	40-140	15	30	
4,6-Dinitro-2-Methylphenol	2.77	1.67	mg/kg wet	3.333		83	30-130	9	30	
4-Bromophenyl-phenylether	2.43	0.333	mg/kg wet	3.333		73	40-140	9	30	
4-Chloro-3-Methylphenol	2.32	0.333	mg/kg wet	3.333		70	30-130	9	30	
4-Chloroaniline	1.40	0.667	mg/kg wet	3.333		42	40-140	27	30	
4-Chloro-phenyl-phenyl ether	2.20	0.333	mg/kg wet	3.333		66	40-140	7	30	
4-Nitroaniline	2.51	0.333	mg/kg wet	3.333		75	40-140	11	30	
4-Nitrophenol	2.01	1.67	mg/kg wet	3.333		60	30-130	2	30	
Acenaphthene	1.93	0.333	mg/kg wet	3.333		58	40-140	7	30	
Acenaphthylene	1.97	0.333	mg/kg wet	3.333		59	40-140	7	30	
Acetophenone	1.96	0.667	mg/kg wet	3.333		59	40-140	5	30	
Aniline	1.50	0.667	mg/kg wet	3.333		45	40-140	22	30	
Anthracene	2.65	0.333	mg/kg wet	3.333		80	40-140	9	30	
Azobenzene	2.44	0.333	mg/kg wet	3.333		73	40-140	11	30	
Benzo(a)anthracene	2.94	0.333	mg/kg wet	3.333		88	40-140	8	30	
Benzo(a)pyrene	2.67	0.167	mg/kg wet	3.333		80	40-140	7	30	
Benzo(b)fluoranthene	2.68	0.333	mg/kg wet	3.333		80	40-140	6	30	
Benzo(g,h,i)perylene	2.73	0.333	mg/kg wet	3.333		82	40-140	8	30	
Benzo(k)fluoranthene	2.85	0.333	mg/kg wet	3.333		86	40-140	10	30	
Benzoic Acid	2.10	1.67	mg/kg wet	3.333		63	40-140	12	30	
Benzyl Alcohol	1.80	0.333	mg/kg wet	3.333		54	40-140	7	30	
bis(2-Chloroethoxy)methane	2.02	0.333	mg/kg wet	3.333		61	40-140	6	30	
bis(2-Chloroethyl)ether	1.83	0.333	mg/kg wet	3.333		55	40-140	4	30	
bis(2-chloroisopropyl)Ether	1.82	0.333	mg/kg wet	3.333		55	40-140	4	30	
bis(2-Ethylhexyl)phthalate	2.57	0.333	mg/kg wet	3.333		77	40-140	7	30	
Butylbenzylphthalate	2.58	0.333	mg/kg wet	3.333		77	40-140	8	30	
Carbazole	2.77	0.333	mg/kg wet	3.333		83	40-140	7	30	
Chrysene	2.70	0.167	mg/kg wet	3.333		81	40-140	8	30	
Dibenzo(a,h)Anthracene	2.65	0.167	mg/kg wet	3.333		80	40-140	8	30	
Dibenzofuran	2.14	0.333	mg/kg wet	3.333		64	40-140	7	30	
Diethylphthalate	2.47	0.333	mg/kg wet	3.333		74	40-140	6	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD10608 - 3546										
Dimethylphthalate	2.33	0.333	mg/kg wet	3.333		70	40-140	7	30	
Di-n-butylphthalate	2.59	0.333	mg/kg wet	3.333		78	40-140	6	30	
Di-n-octylphthalate	2.71	0.333	mg/kg wet	3.333		81	40-140	7	30	
Fluoranthene	2.78	0.333	mg/kg wet	3.333		83	40-140	7	30	
Fluorene	2.28	0.333	mg/kg wet	3.333		69	40-140	6	30	
Hexachlorobenzene	2.56	0.167	mg/kg wet	3.333		77	40-140	9	30	
Hexachlorobutadiene	1.73	0.333	mg/kg wet	3.333		52	40-140	5	30	
Hexachlorocyclopentadiene	1.41	1.67	mg/kg wet	3.333		42	40-140	7	30	
Hexachloroethane	1.80	0.333	mg/kg wet	3.333		54	40-140	4	30	
Indeno(1,2,3-cd)Pyrene	2.54	0.333	mg/kg wet	3.333		76	40-140	8	30	
Isophorone	1.82	0.333	mg/kg wet	3.333		54	40-140	9	30	
Naphthalene	1.84	0.333	mg/kg wet	3.333		55	40-140	6	30	
Nitrobenzene	1.81	0.333	mg/kg wet	3.333		54	40-140	6	30	
N-Nitrosodimethylamine	1.46	0.333	mg/kg wet	3.333		44	40-140	3	30	
N-Nitroso-Di-n-Propylamine	1.88	0.333	mg/kg wet	3.333		56	40-140	8	30	
N-nitrosodiphenylamine	2.69	0.333	mg/kg wet	3.333		81	40-140	9	30	
Pentachlorophenol	2.60	1.67	mg/kg wet	3.333		78	30-130	8	30	
Phenanthrene	2.49	0.333	mg/kg wet	3.333		75	40-140	8	30	
Phenol	2.18	0.333	mg/kg wet	3.333		65	30-130	7	30	
Pyrene	2.88	0.333	mg/kg wet	3.333		86	40-140	9	30	
Pyridine	1.85	1.67	mg/kg wet	3.333		56	40-140	4	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.01*		mg/kg wet	*3.333*		*60*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.05*		mg/kg wet	*5.000*		*81*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.29*		mg/kg wet	*5.000*		*66*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.31*		mg/kg wet	*3.333*		*69*	*30-130*			
Surrogate: 2-Fluorophenol	*3.47*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.15*		mg/kg wet	*3.333*		*65*	*30-130*			
Surrogate: Phenol-d6	*3.54*		mg/kg wet	*5.000*		*71*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.35*		mg/kg wet	*3.333*		*101*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: ESS Courier

ESS Project ID: 21D0181
Date Received: 4/7/2021
Project Due Date: 4/8/2021
Days for Project: 1 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 5.7 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA
13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 4/7/21 Time: 1335 By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	151394	Yes	N/A	Yes	8 oz jar	NP	
1	151395	Yes	N/A	Yes	8 oz jar	NP	
1	151396	Yes	N/A	Yes	4 oz. Jar	NP	
1	151397	Yes	N/A	Yes	VOA Vial	MeOH	
1	151398	Yes	N/A	Yes	VOA Vial	DI Water	
1	151399	Yes	N/A	Yes	VOA Vial	DI Water	
2	151392	Yes	N/A	Yes	4 oz. Jar	NP	

2nd Review
Were all containers scanned into storage/lab? Initials
Are barcode labels on correct containers? Yes / No
Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA
Are all Hex Chrome stickers attached? Yes / No / NA
Are all QC stickers attached? Yes / No / NA
Are VOA stickers attached if bubbles noted? Yes / No / NA

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 21D0181

Date Received: 4/7/2021

Completed By: [signature]

Date & Time: 4/7/21 1313

Reviewed By: [signature]

Date & Time: 4/7/21 1355

ESS LABORATORY
185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 210018 | Page of

Turn Time: ☐ >5 ☐ 5 ☐ 4 ☐ 3 ☐ 2 ☑ 1 ☐ Same Day

Regulatory State: RI Criteria: Method 1 RDEC

Is this project for any of the following?: ☐ CT RCP ☐ MA MCP ☐ RGP ☐ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF)

☐ Limit Checker ☐ State Forms ☐ EQuIS
☐ Excel ☐ Hard Copy ☐ Enviro Data
☐ CLP-Like Package ☐ Other (Specify) →

CLIENT INFORMATION

Client: GZA
Address: 188 Valley Street
Providence RI
Phone: 401 500 1483
Email Distribution List: sara.haupt@gza.com

PROJECT INFORMATION

Project Name: FPLP
Project Location: 642 Allens Ave
Project Number: 33554.04 Task 6.2
Project Manager: SARA HAUPT
Bill to: SARA HAUPT
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	VOCs 8260	SVOCs 8270	TPH 8100M	PP-13 Metals	Arsenic	Total Number of Bottles
1	4/7/21	1100	C	SOIL	1.5 DENSE GRADE	X	X	X	X	X	6
2	4/7/21	1100	C	SOIL	1.5 DENSE GRADE					X	1

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial — AG, AG, AG, AG, AG
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other* — 10, 10, 10, 10, 7
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other* — 6, 1, 1, 1, 1

Sampled by: SARA HAUPT

Chain needs to be filled out neatly and completely for on time delivery.

Laboratory Use Only
Cooler Temperature (°C): 5.7 IC

Comments: * Please specify "Other" preservative and containers types in this space
National Grid rates apply

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration: ☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
	4/7/21	1312					

Cardi Materials
RIDOT QC Report

Rhode Island Concrete Aggregate Worksheet and Coarse Aggregate Blend Calculator

Date/Time:	9/20/2021	Lab/Location:	Cardi Corp.		
Weather:	70s Sunny	Date Rec'd #:		Random Sample:	Yes
Project:	Cardi Materials QC	Lab Login #:		Lot #:	N/A
Contract #:		Material ID:	RIDOT Blend	Sublot #:	N/A
Contractor:	Cardi Corp.	Material #:		Sample Location:	Warwick Plant
Pay Item #:		Sample #:	1	Station:	
Source:	Cardi Corporation	Sample Type:	QC	Offset:	
Plant Type:	Central Mix	Sampled By/Cert. #:	Devyn Marzagao CT1390		

Material:	Sand	(T 255)	Wet Mass(W):	650.7
Sample #:	1		Original Dry Mass(D):	617.3
Source:	Hopkins Hill		Moisture Loss (W - D):	33.4
			% Moisture (100 x (W - D) / D):	5.4%

Sieve Analysis of Fine & Coarse Aggregates (T 27)

Sieve	Wt. Passing	% Ret	%Pass	Spec. %
1 1/2"				
1"				
3/4"				
5/8"				
1/2"				
3/8"	617.3	0.0	100.0	100
#4	610.6	1.1	98.9	95-100
#8	500.0	19.0	81.0	80-100
#16	384.0	37.8	62.2	50-85
#30	271.2	56.1	43.9	25-60
#50	151.4	75.5	24.5	10-30
#100	55.2	91.1	8.9	2-10
#200	11.1	98.2	1.8	
PAN	0.5	99.9	FM:	2.81
Total			Free Moisture:	5.0%

Material:	3/8"	(T 255)	Wet Mass(W):	
Sample #:	1		Original Dry Mass(D):	
Source:	Hopkins Hill		Moisture Loss (W - D):	#VALUE!
			% Moisture (100 x (W - D) / D):	#VALUE!

Sieve Analysis of Fine & Coarse Aggregates (T 27)

Sieve	Wt. Passing	% Ret	%Pass	Spec. %
1 1/2"				
1"				
3/4"				
5/8"				
1/2"				100
3/8"				85-100
#4				20-55
#8				5-30
#16				0-10
#30				
#50				
#100				
#200				
PAN	#VALUE!	#VALUE!	Free Moisture:	FALSE
Total				

Material:	3/4"	(T 255)	Wet Mass(W):	
Sample #:	1		Original Dry Mass(D):	
Source:	Hopkins Hill		Moisture Loss (W - D):	#VALUE!
			% Moisture (100 x (W - D) / D):	#DIV/0!

Sieve	Wt. Passing	% Ret	%Pass	Spec. %
1 1/2"				
1"				100
3/4"				85-100
5/8"				
1/2"				
3/8"				20-55
#4				0-10
#8				0-5
#16				
#30				
#50				
#100				
#200				
PAN	#VALUE!	#VALUE!	Free Moisture:	FALSE
Total				

Size	Percent
3/4"	80.0%
3/8"	20.0%

BLEND Calculations

Composite Blending Percent Passing

Sieve	3/4"	3/8"	BLENDED	Spec. %
1 1/2"				
1"				100
3/4"				85-100
5/8"				
1/2"				
3/8"				20-55
#4				0-10
#8				0-5
#16				
#30				
#50				
#100				
#200				
PAN				
Total				

]

CERTIFICATE OF ANALYSIS

Sara Haupt
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: FPLP (03.0033554.02 Task 6.2)
ESS Laboratory Work Order Number: 21J0120

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 4:18 pm, Oct 13, 2021

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21J0120

SAMPLE RECEIPT

The following samples were received on October 06, 2021 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on October 6, 2021 at 12:11.

Lab Number	Sample Name	Matrix	Analysis
21J0120-01	C-33 Sand	Soil	6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21J0120

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

21J0120-01 **Surrogate recovery(ies) above upper control limit (S+).**
1,2-Dichloroethane-d4 (136% @ 70-130%)

DJ10605-BS1 **Blank Spike recovery is above upper control limit (B+).**
Chloromethane (142% @ 70-130%), Dichlorodifluoromethane (131% @ 70-130%), Vinyl Chloride (136% @ 70-130%)

DJ10605-BSD1 **Blank Spike recovery is above upper control limit (B+).**
4-Methyl-2-Pentanone (135% @ 70-130%), Chloromethane (136% @ 70-130%), Diethyl Ether (133% @ 70-130%)

8270D Semi-Volatile Organic Compounds

D1J0065-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (113% @ 80-120%), 4,6-Dinitro-2-Methylphenol (107% @ 80-120%), Benzoic Acid (87% @ 80-120%), Di-n-octylphthalate (101% @ 80-120%), Pentachlorophenol (99% @ 80-120%)

D1J0065-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
4-Nitrophenol (25% @ 20%), Benzyl Alcohol (21% @ 20%)

D1J0065-CCV1 **Initial Calibration Verification recovery is below lower control limit (ICV-).**
Aniline

D1J0085-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (81% @ 80-120%), 4,6-Dinitro-2-Methylphenol (92% @ 80-120%), Benzoic Acid (108% @ 80-120%), Pentachlorophenol (85% @ 80-120%)

D1J0085-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Di-n-octylphthalate (32% @ 20%)

Total Metals

DJ10734-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
Mercury (22% @ 20%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21J0120

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: C-33 Sand
Date Sampled: 10/06/21 09:40
Percent Solids: 96

ESS Laboratory Work Order: 21J0120
ESS Laboratory Sample ID: 21J0120-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.71)		6010C		1	KJK	10/09/21 11:40	2.21	100	DJ10840
Arsenic	**4.13** (2.36)		6010C		1	KJK	10/09/21 11:40	2.21	100	DJ10840
Beryllium	**0.58** (0.10)		6010C		1	KJK	10/09/21 11:40	2.21	100	DJ10840
Cadmium	ND (0.47)		6010C		1	KJK	10/09/21 11:40	2.21	100	DJ10840
Chromium	**1.73** (0.94)		6010C		1	KJK	10/09/21 11:40	2.21	100	DJ10840
Copper	**3.56** (2.36)		6010C		1	KJK	10/09/21 11:40	2.21	100	DJ10840
Lead	**5.95** (4.71)		6010C		1	KJK	10/09/21 11:40	2.21	100	DJ10840
Mercury	ND (0.005)		7471B		1	JRB	10/12/21 16:28	4.52	40	DJ10734
Nickel	ND (2.36)		6010C		1	KJK	10/09/21 11:40	2.21	100	DJ10840
Selenium	ND (0.47)		6020A		1	NAR	10/13/21 12:43	2.21	100	DJ10840
Silver	ND (0.47)		6010C		1	KJK	10/09/21 11:40	2.21	100	DJ10840
Thallium	ND (4.71)		6010C		1	KJK	10/09/21 11:40	2.21	100	DJ10840
Zinc	**65.3** (2.36)		6010C		1	KJK	10/09/21 11:40	2.21	100	DJ10840

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: C-33 Sand
Date Sampled: 10/06/21 09:40
Percent Solids: 96
Initial Volume: 6.7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21J0120
ESS Laboratory Sample ID: 21J0120-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1,1,1-Trichloroethane	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1,1,2,2-Tetrachloroethane	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1,1,2-Trichloroethane	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1,1-Dichloroethane	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1,1-Dichloroethene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1,1-Dichloropropene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1,2,3-Trichlorobenzene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1,2,3-Trichloropropane	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1,2,4-Trichlorobenzene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1,2,4-Trimethylbenzene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1,2-Dibromo-3-Chloropropane	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1,2-Dibromoethane	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1,2-Dichlorobenzene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1,2-Dichloroethane	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1,2-Dichloropropane	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1,3,5-Trimethylbenzene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1,3-Dichlorobenzene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1,3-Dichloropropane	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1,4-Dichlorobenzene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1,4-Dioxane	ND (0.0778)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
1-Chlorohexane	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
2,2-Dichloropropane	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
2-Butanone	ND (0.0389)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
2-Chlorotoluene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
2-Hexanone	ND (0.0389)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
4-Chlorotoluene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
4-Isopropyltoluene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
4-Methyl-2-Pentanone	ND (0.0389)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Acetone	ND (0.0389)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Benzene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Bromobenzene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: C-33 Sand
Date Sampled: 10/06/21 09:40
Percent Solids: 96
Initial Volume: 6.7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21J0120
ESS Laboratory Sample ID: 21J0120-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Bromodichloromethane	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Bromoform	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Bromomethane	ND (0.0078)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Carbon Disulfide	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Carbon Tetrachloride	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Chlorobenzene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Chloroethane	ND (0.0078)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Chloroform	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Chloromethane	ND (0.0078)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
cis-1,2-Dichloroethene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
cis-1,3-Dichloropropene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Dibromochloromethane	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Dibromomethane	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Dichlorodifluoromethane	ND (0.0078)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Diethyl Ether	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Di-isopropyl ether	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Ethyl tertiary-butyl ether	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Ethylbenzene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Hexachlorobutadiene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Isopropylbenzene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Methyl tert-Butyl Ether	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Methylene Chloride	ND (0.0194)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Naphthalene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
n-Butylbenzene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
n-Propylbenzene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
sec-Butylbenzene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Styrene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
tert-Butylbenzene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Tertiary-amyl methyl ether	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Tetrachloroethene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Tetrahydrofuran	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: C-33 Sand
Date Sampled: 10/06/21 09:40
Percent Solids: 96
Initial Volume: 6.7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21J0120
ESS Laboratory Sample ID: 21J0120-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
trans-1,2-Dichloroethene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
trans-1,3-Dichloropropene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Trichloroethene	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Trichlorofluoromethane	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Vinyl Acetate	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Vinyl Chloride	ND (0.0078)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Xylene O	ND (0.0039)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Xylene P,M	ND (0.0078)		8260B Low		1	10/06/21 16:49	D1J0074	DJ10605
Xylenes (Total)	ND (0.00778)		8260B Low		1	10/06/21 16:49		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*136 %*	*S+*	*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*121 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: C-33 Sand
Date Sampled: 10/06/21 09:40
Percent Solids: 96
Initial Volume: 19.2
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21J0120
ESS Laboratory Sample ID: 21J0120-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: BXK
Prepared: 10/6/21 14:41

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**53.4** (40.7)		8100M		1	10/07/21 8:55	D1J0100	DJ10546

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*81 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: C-33 Sand
Date Sampled: 10/06/21 09:40
Percent Solids: 96
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21J0120
ESS Laboratory Sample ID: 21J0120-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 10/6/21 14:41

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
1,2,4-Trichlorobenzene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
1,2-Dichlorobenzene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
1,3-Dichlorobenzene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
1,4-Dichlorobenzene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
2,3,4,6-Tetrachlorophenol	ND (1.81)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
2,4,5-Trichlorophenol	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
2,4,6-Trichlorophenol	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
2,4-Dichlorophenol	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
2,4-Dimethylphenol	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
2,4-Dinitrophenol	ND (1.81)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
2,4-Dinitrotoluene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
2,6-Dinitrotoluene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
2-Chloronaphthalene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
2-Chlorophenol	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
2-Methylnaphthalene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
2-Methylphenol	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
2-Nitroaniline	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
2-Nitrophenol	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
3,3′-Dichlorobenzidine	ND (0.724)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
3+4-Methylphenol	ND (0.724)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
3-Nitroaniline	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
4,6-Dinitro-2-Methylphenol	ND (1.81)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
4-Bromophenyl-phenylether	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
4-Chloro-3-Methylphenol	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
4-Chloroaniline	ND (0.724)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
4-Chloro-phenyl-phenyl ether	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
4-Nitroaniline	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
4-Nitrophenol	ND (1.81)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Acenaphthene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Acenaphthylene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Acetophenone	ND (0.724)		8270D		1	10/07/21 2:10	D1J0085	DJ10509

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: C-33 Sand
Date Sampled: 10/06/21 09:40
Percent Solids: 96
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21J0120
ESS Laboratory Sample ID: 21J0120-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 10/6/21 14:41

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.724)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Anthracene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Azobenzene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Benzo(a)anthracene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Benzo(a)pyrene	ND (0.181)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Benzo(b)fluoranthene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Benzo(g,h,i)perylene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Benzo(k)fluoranthene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Benzoic Acid	ND (1.81)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Benzyl Alcohol	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
bis(2-Chloroethoxy)methane	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
bis(2-Chloroethyl)ether	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
bis(2-chloroisopropyl)Ether	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
bis(2-Ethylhexyl)phthalate	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Butylbenzylphthalate	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Carbazole	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Chrysene	ND (0.181)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Dibenzo(a,h)Anthracene	ND (0.181)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Dibenzofuran	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Diethylphthalate	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Dimethylphthalate	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Di-n-butylphthalate	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Di-n-octylphthalate	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Fluoranthene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Fluorene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Hexachlorobenzene	ND (0.181)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Hexachlorobutadiene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Hexachlorocyclopentadiene	ND (1.81)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Hexachloroethane	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Indeno(1,2,3-cd)Pyrene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Isophorone	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Naphthalene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: C-33 Sand
Date Sampled: 10/06/21 09:40
Percent Solids: 96
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21J0120
ESS Laboratory Sample ID: 21J0120-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 10/6/21 14:41

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
N-Nitrosodimethylamine	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
N-Nitroso-Di-n-Propylamine	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
N-nitrosodiphenylamine	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Pentachlorophenol	ND (1.81)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Phenanthrene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Phenol	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Pyrene	ND (0.361)		8270D		1	10/07/21 2:10	D1J0085	DJ10509
Pyridine	ND (1.81)		8270D		1	10/07/21 2:10	D1J0085	DJ10509

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*71 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*69 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*79 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*71 %*		*30-130*
Surrogate: 2-Fluorophenol	*74 %*		*30-130*
Surrogate: Nitrobenzene-d5	*71 %*		*30-130*
Surrogate: Phenol-d6	*77 %*		*30-130*
Surrogate: p-Terphenyl-d14	*91 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21J0120

Quality Control Data

Total Metals

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch DJ10734 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	12.9	3.19	mg/kg wet	15.40		84	80-120			
LCS Dup										
Mercury	16.1	3.19	mg/kg wet	15.40		105	80-120	22	20	D+
Batch DJ10840 - 3050B										
Blank										
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	5.00	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
Blank										
Selenium	ND	0.50	mg/kg wet							
LCS										
Antimony	48.2	16.1	mg/kg wet	51.30		94	80-120			
Arsenic	271	8.06	mg/kg wet	281.0		96	80-120			
Beryllium	273	0.35	mg/kg wet	284.0		96	80-120			
Cadmium	260	1.61	mg/kg wet	276.0		94	80-120			
Chromium	255	3.23	mg/kg wet	277.0		92	80-120			
Copper	141	8.06	mg/kg wet	144.0		98	80-120			
Lead	219	16.1	mg/kg wet	228.0		96	80-120			
Nickel	300	8.06	mg/kg wet	312.0		96	80-120			
Silver	40.6	1.61	mg/kg wet	44.40		91	80-120			
Thallium	213	16.1	mg/kg wet	210.0		101	80-120			
Zinc	114	8.06	mg/kg wet	120.0		95	80-120			
LCS										
Selenium	194	8.06	mg/kg wet	178.0		109	80-120			
LCS Dup										
Antimony	44.3	15.2	mg/kg wet	51.30		86	80-120	8	20	
Arsenic	262	7.58	mg/kg wet	281.0		93	80-120	3	20	
Beryllium	268	0.33	mg/kg wet	284.0		94	80-120	2	20	
Cadmium	251	1.52	mg/kg wet	276.0		91	80-120	3	20	
Chromium	247	3.03	mg/kg wet	277.0		89	80-120	3	20	
Copper	135	7.58	mg/kg wet	144.0		94	80-120	4	20	
Lead	216	15.2	mg/kg wet	228.0		95	80-120	2	20	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21J0120

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DJ10840 - 3050B										
Nickel	290	7.58	mg/kg wet	312.0		93	80-120	3	20	
Silver	39.3	1.52	mg/kg wet	44.40		89	80-120	3	20	
Thallium	204	15.2	mg/kg wet	210.0		97	80-120	4	20	
Zinc	109	7.58	mg/kg wet	120.0		91	80-120	5	20	
LCS Dup										
Selenium	189	7.58	mg/kg wet	178.0		106	80-120	2	30	
5035/8260B Volatile Organic Compounds / Low Level										
Batch DJ10605 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21J0120

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DJ10605 - 5035										
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0614*		mg/kg wet	*0.05000*		*123*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0468*		mg/kg wet	*0.05000*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0563*		mg/kg wet	*0.05000*		*113*	*70-130*			
Surrogate: Toluene-d8	*0.0489*		mg/kg wet	*0.05000*		*98*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0557	0.0050	mg/kg wet	0.05000		111	70-130			
1,1,1-Trichloroethane	0.0550	0.0050	mg/kg wet	0.05000		110	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21J0120

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DJ10605 - 5035										
1,1,2,2-Tetrachloroethane	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
1,1,2-Trichloroethane	0.0545	0.0050	mg/kg wet	0.05000		109	70-130			
1,1-Dichloroethane	0.0556	0.0050	mg/kg wet	0.05000		111	70-130			
1,1-Dichloroethene	0.0602	0.0050	mg/kg wet	0.05000		120	70-130			
1,1-Dichloropropene	0.0568	0.0050	mg/kg wet	0.05000		114	70-130			
1,2,3-Trichlorobenzene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130			
1,2,3-Trichloropropane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
1,2,4-Trichlorobenzene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
1,2,4-Trimethylbenzene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130			
1,2-Dibromo-3-Chloropropane	0.0533	0.0050	mg/kg wet	0.05000		107	70-130			
1,2-Dibromoethane	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
1,2-Dichlorobenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
1,2-Dichloroethane	0.0548	0.0050	mg/kg wet	0.05000		110	70-130			
1,2-Dichloropropane	0.0552	0.0050	mg/kg wet	0.05000		110	70-130			
1,3,5-Trimethylbenzene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130			
1,3-Dichlorobenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
1,3-Dichloropropane	0.0558	0.0050	mg/kg wet	0.05000		112	70-130			
1,4-Dichlorobenzene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
1,4-Dioxane	1.09	0.100	mg/kg wet	1.000		109	70-130			
1-Chlorohexane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
2,2-Dichloropropane	0.0577	0.0050	mg/kg wet	0.05000		115	70-130			
2-Butanone	0.270	0.0500	mg/kg wet	0.2500		108	70-130			
2-Chlorotoluene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			
2-Hexanone	0.274	0.0500	mg/kg wet	0.2500		110	70-130			
4-Chlorotoluene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130			
4-Isopropyltoluene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130			
4-Methyl-2-Pentanone	0.299	0.0500	mg/kg wet	0.2500		119	70-130			
Acetone	0.281	0.0500	mg/kg wet	0.2500		112	70-130			
Benzene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130			
Bromobenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
Bromochloromethane	0.0540	0.0050	mg/kg wet	0.05000		108	70-130			
Bromodichloromethane	0.0550	0.0050	mg/kg wet	0.05000		110	70-130			
Bromoform	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
Bromomethane	0.0577	0.0100	mg/kg wet	0.05000		115	70-130			
Carbon Disulfide	0.0619	0.0050	mg/kg wet	0.05000		124	70-130			
Carbon Tetrachloride	0.0574	0.0050	mg/kg wet	0.05000		115	70-130			
Chlorobenzene	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
Chloroethane	0.0620	0.0100	mg/kg wet	0.05000		124	70-130			
Chloroform	0.0545	0.0050	mg/kg wet	0.05000		109	70-130			
Chloromethane	0.0709	0.0100	mg/kg wet	0.05000		142	70-130			B+
cis-1,2-Dichloroethene	0.0567	0.0050	mg/kg wet	0.05000		113	70-130			
cis-1,3-Dichloropropene	0.0616	0.0050	mg/kg wet	0.05000		123	70-130			
Dibromochloromethane	0.0571	0.0050	mg/kg wet	0.05000		114	70-130			
Dibromomethane	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
Dichlorodifluoromethane	0.0655	0.0100	mg/kg wet	0.05000		131	70-130			B+

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DJ10605 - 5035										
Diethyl Ether	0.0641	0.0050	mg/kg wet	0.05000		128	70-130			
Di-isopropyl ether	0.0593	0.0050	mg/kg wet	0.05000		119	70-130			
Ethyl tertiary-butyl ether	0.0587	0.0050	mg/kg wet	0.05000		117	70-130			
Ethylbenzene	0.0550	0.0050	mg/kg wet	0.05000		110	70-130			
Hexachlorobutadiene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
Isopropylbenzene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
Methyl tert-Butyl Ether	0.0609	0.0050	mg/kg wet	0.05000		122	70-130			
Methylene Chloride	0.0566	0.0250	mg/kg wet	0.05000		113	70-130			
Naphthalene	0.0525	0.0050	mg/kg wet	0.05000		105	70-130			
n-Butylbenzene	0.0560	0.0050	mg/kg wet	0.05000		112	70-130			
n-Propylbenzene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
sec-Butylbenzene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
Styrene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
tert-Butylbenzene	0.0552	0.0050	mg/kg wet	0.05000		110	70-130			
Tertiary-amyl methyl ether	0.0576	0.0050	mg/kg wet	0.05000		115	70-130			
Tetrachloroethene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
Tetrahydrofuran	0.0510	0.0050	mg/kg wet	0.05000		102	70-130			
Toluene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
trans-1,2-Dichloroethene	0.0560	0.0050	mg/kg wet	0.05000		112	70-130			
trans-1,3-Dichloropropene	0.0510	0.0050	mg/kg wet	0.05000		102	70-130			
Trichloroethene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130			
Trichlorofluoromethane	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
Vinyl Acetate	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
Vinyl Chloride	0.0678	0.0100	mg/kg wet	0.05000		136	70-130			B+
Xylene O	0.0534	0.0050	mg/kg wet	0.05000		107	70-130			
Xylene P,M	0.111	0.0100	mg/kg wet	0.1000		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0512*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0512*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0524*		mg/kg wet	*0.05000*		*105*	*70-130*			
Surrogate: Toluene-d8	*0.0500*		mg/kg wet	*0.05000*		*100*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
1,1,1-Trichloroethane	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	2	25	
1,1,2,2-Tetrachloroethane	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	8	25	
1,1,2-Trichloroethane	0.0561	0.0050	mg/kg wet	0.05000		112	70-130	3	25	
1,1-Dichloroethane	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	0.9	25	
1,1-Dichloroethene	0.0598	0.0050	mg/kg wet	0.05000		120	70-130	0.7	25	
1,1-Dichloropropene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	1	25	
1,2,3-Trichlorobenzene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	1	25	
1,2,3-Trichloropropane	0.0570	0.0050	mg/kg wet	0.05000		114	70-130	11	25	
1,2,4-Trichlorobenzene	0.0473	0.0050	mg/kg wet	0.05000		95	70-130	0.5	25	
1,2,4-Trimethylbenzene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	0.2	25	
1,2-Dibromo-3-Chloropropane	0.0591	0.0050	mg/kg wet	0.05000		118	70-130	10	25	
1,2-Dibromoethane	0.0556	0.0050	mg/kg wet	0.05000		111	70-130	4	25	
1,2-Dichlorobenzene	0.0514	0.0050	mg/kg wet	0.05000		103	70-130	2	25	

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DJ10605 - 5035										
1,2-Dichloroethane	0.0556	0.0050	mg/kg wet	0.05000		111	70-130	1	25	
1,2-Dichloropropane	0.0552	0.0050	mg/kg wet	0.05000		110	70-130	0.07	25	
1,3,5-Trimethylbenzene	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	0.5	25	
1,3-Dichlorobenzene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	0.8	25	
1,3-Dichloropropane	0.0560	0.0050	mg/kg wet	0.05000		112	70-130	0.3	25	
1,4-Dichlorobenzene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130	0.5	25	
1,4-Dioxane	1.18	0.100	mg/kg wet	1.000		118	70-130	8	20	
1-Chlorohexane	0.0464	0.0050	mg/kg wet	0.05000		93	70-130	2	25	
2,2-Dichloropropane	0.0566	0.0050	mg/kg wet	0.05000		113	70-130	2	25	
2-Butanone	0.289	0.0500	mg/kg wet	0.2500		116	70-130	7	25	
2-Chlorotoluene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	0.6	25	
2-Hexanone	0.307	0.0500	mg/kg wet	0.2500		123	70-130	11	25	
4-Chlorotoluene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	0.2	25	
4-Isopropyltoluene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	0.2	25	
4-Methyl-2-Pentanone	0.338	0.0500	mg/kg wet	0.2500		135	70-130	12	25	B+
Acetone	0.316	0.0500	mg/kg wet	0.2500		127	70-130	12	25	
Benzene	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	0.9	25	
Bromobenzene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
Bromochloromethane	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	0.8	25	
Bromodichloromethane	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	0.1	25	
Bromoform	0.0500	0.0050	mg/kg wet	0.05000		100	70-130	2	25	
Bromomethane	0.0595	0.0100	mg/kg wet	0.05000		119	70-130	3	25	
Carbon Disulfide	0.0602	0.0050	mg/kg wet	0.05000		120	70-130	3	25	
Carbon Tetrachloride	0.0560	0.0050	mg/kg wet	0.05000		112	70-130	2	25	
Chlorobenzene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	2	25	
Chloroethane	0.0611	0.0100	mg/kg wet	0.05000		122	70-130	2	25	
Chloroform	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	0.8	25	
Chloromethane	0.0679	0.0100	mg/kg wet	0.05000		136	70-130	4	25	B+
cis-1,2-Dichloroethene	0.0565	0.0050	mg/kg wet	0.05000		113	70-130	0.4	25	
cis-1,3-Dichloropropene	0.0626	0.0050	mg/kg wet	0.05000		125	70-130	2	25	
Dibromochloromethane	0.0573	0.0050	mg/kg wet	0.05000		115	70-130	0.3	25	
Dibromomethane	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	1	25	
Dichlorodifluoromethane	0.0632	0.0100	mg/kg wet	0.05000		126	70-130	4	25	
Diethyl Ether	0.0664	0.0050	mg/kg wet	0.05000		133	70-130	4	25	B+
Di-isopropyl ether	0.0603	0.0050	mg/kg wet	0.05000		121	70-130	2	25	
Ethyl tertiary-butyl ether	0.0609	0.0050	mg/kg wet	0.05000		122	70-130	4	25	
Ethylbenzene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	3	25	
Hexachlorobutadiene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	3	25	
Isopropylbenzene	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	1	25	
Methyl tert-Butyl Ether	0.0645	0.0050	mg/kg wet	0.05000		129	70-130	6	25	
Methylene Chloride	0.0565	0.0250	mg/kg wet	0.05000		113	70-130	0.2	25	
Naphthalene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	7	25	
n-Butylbenzene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	1	25	
n-Propylbenzene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	0.2	25	
sec-Butylbenzene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130	0.1	25	

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DJ10605 - 5035										
Styrene	0.0486	0.0050	mg/kg wet	0.05000		97	70-130	2	25	
tert-Butylbenzene	0.0557	0.0050	mg/kg wet	0.05000		111	70-130	0.8	25	
Tertiary-amyl methyl ether	0.0605	0.0050	mg/kg wet	0.05000		121	70-130	5	25	
Tetrachloroethene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130	3	25	
Tetrahydrofuran	0.0608	0.0050	mg/kg wet	0.05000		122	70-130	17	25	
Toluene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	0.3	25	
trans-1,2-Dichloroethene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	0.7	25	
trans-1,3-Dichloropropene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	4	25	
Trichloroethene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	1	25	
Trichlorofluoromethane	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	3	25	
Vinyl Acetate	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	9	25	
Vinyl Chloride	0.0652	0.0100	mg/kg wet	0.05000		130	70-130	4	25	
Xylene O	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	4	25	
Xylene P,M	0.107	0.0100	mg/kg wet	0.1000		107	70-130	3	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0514*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0495*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0510*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.0484*		mg/kg wet	*0.05000*		*97*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch DJ10546 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.09*		mg/kg wet	*5.000*		*82*	*40-140*			
LCS										
Decane (C10)	1.7	0.2	mg/kg wet	2.500		68	40-140			
Docosane (C22)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Dodecane (C12)	1.8	0.2	mg/kg wet	2.500		74	40-140			
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		83	40-140			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DJ10546 - 3546										
Nonadecane (C19)	2.1	0.2	mg/kg wet	2.500		83	40-140			
Nonane (C9)	1.5	0.2	mg/kg wet	2.500		59	30-140			
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		90	40-140			
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Tetracosane (C24)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		79	40-140			
Total Petroleum Hydrocarbons	31.6	37.5	mg/kg wet	35.00		90	40-140			
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Surrogate: O-Terphenyl	*4.50*		mg/kg wet	*5.000*		*90*	*40-140*			
LCS Dup										
Decane (C10)	1.7	0.2	mg/kg wet	2.500		69	40-140	1	25	
Docosane (C22)	2.4	0.2	mg/kg wet	2.500		94	40-140	3	25	
Dodecane (C12)	1.8	0.2	mg/kg wet	2.500		74	40-140	0.4	25	
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		90	40-140	0.9	25	
Hexacosane (C26)	2.4	0.2	mg/kg wet	2.500		95	40-140	4	25	
Hexadecane (C16)	2.0	0.2	mg/kg wet	2.500		82	40-140	1	25	
Nonadecane (C19)	2.1	0.2	mg/kg wet	2.500		85	40-140	2	25	
Nonane (C9)	1.5	0.2	mg/kg wet	2.500		60	30-140	2	25	
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		92	40-140	3	25	
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		88	40-140	0	25	
Tetracosane (C24)	2.1	0.2	mg/kg wet	2.500		85	40-140	2	25	
Tetradecane (C14)	1.9	0.2	mg/kg wet	2.500		78	40-140	2	25	
Total Petroleum Hydrocarbons	31.8	37.5	mg/kg wet	35.00		91	40-140	0.5	25	
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		91	40-140	3	25	
Surrogate: O-Terphenyl	*4.47*		mg/kg wet	*5.000*		*89*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DJ10509 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DJ10509 - 3546										
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21J0120

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DJ10509 - 3546										
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.03*		mg/kg wet	*3.333*		*61*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.24*		mg/kg wet	*5.000*		*65*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.19*		mg/kg wet	*5.000*		*64*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.14*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: 2-Fluorophenol	*3.12*		mg/kg wet	*5.000*		*62*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.06*		mg/kg wet	*3.333*		*62*	*30-130*			
Surrogate: Phenol-d6	*3.11*		mg/kg wet	*5.000*		*62*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.77*		mg/kg wet	*3.333*		*113*	*30-130*			
LCS										
1,1-Biphenyl	2.25	0.333	mg/kg wet	3.333		68	40-140			
1,2,4-Trichlorobenzene	2.05	0.333	mg/kg wet	3.333		61	40-140			
1,2-Dichlorobenzene	1.97	0.333	mg/kg wet	3.333		59	40-140			
1,3-Dichlorobenzene	1.88	0.333	mg/kg wet	3.333		56	40-140			
1,4-Dichlorobenzene	1.96	0.333	mg/kg wet	3.333		59	40-140			
2,3,4,6-Tetrachlorophenol	2.13	1.67	mg/kg wet	3.333		64	30-130			
2,4,5-Trichlorophenol	2.23	0.333	mg/kg wet	3.333		67	30-130			
2,4,6-Trichlorophenol	2.22	0.333	mg/kg wet	3.333		66	30-130			
2,4-Dichlorophenol	2.25	0.333	mg/kg wet	3.333		67	30-130			
2,4-Dimethylphenol	2.24	0.333	mg/kg wet	3.333		67	30-130			
2,4-Dinitrophenol	2.73	1.67	mg/kg wet	3.333		82	30-130			
2,4-Dinitrotoluene	2.39	0.333	mg/kg wet	3.333		72	40-140			
2,6-Dinitrotoluene	2.31	0.333	mg/kg wet	3.333		69	40-140			
2-Chloronaphthalene	2.15	0.333	mg/kg wet	3.333		65	40-140			
2-Chlorophenol	2.08	0.333	mg/kg wet	3.333		62	30-130			
2-Methylnaphthalene	2.04	0.333	mg/kg wet	3.333		61	40-140			
2-Methylphenol	2.05	0.333	mg/kg wet	3.333		61	30-130			
2-Nitroaniline	2.18	0.333	mg/kg wet	3.333		65	40-140			
2-Nitrophenol	1.95	0.333	mg/kg wet	3.333		59	30-130			
3,3´-Dichlorobenzidine	2.30	0.667	mg/kg wet	3.333		69	40-140			
3+4-Methylphenol	4.06	0.667	mg/kg wet	6.667		61	30-130			
3-Nitroaniline	2.07	0.333	mg/kg wet	3.333		62	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21J0120

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DJ10509 - 3546										
4,6-Dinitro-2-Methylphenol	3.05	1.67	mg/kg wet	3.333		91	30-130			
4-Bromophenyl-phenylether	2.44	0.333	mg/kg wet	3.333		73	40-140			
4-Chloro-3-Methylphenol	2.16	0.333	mg/kg wet	3.333		65	30-130			
4-Chloroaniline	1.79	0.667	mg/kg wet	3.333		54	40-140			
4-Chloro-phenyl-phenyl ether	2.28	0.333	mg/kg wet	3.333		68	40-140			
4-Nitroaniline	2.41	0.333	mg/kg wet	3.333		72	40-140			
4-Nitrophenol	2.00	1.67	mg/kg wet	3.333		60	30-130			
Acenaphthene	2.21	0.333	mg/kg wet	3.333		66	40-140			
Acenaphthylene	2.22	0.333	mg/kg wet	3.333		67	40-140			
Acetophenone	2.00	0.667	mg/kg wet	3.333		60	40-140			
Aniline	1.50	0.667	mg/kg wet	3.333		45	40-140			
Anthracene	2.65	0.333	mg/kg wet	3.333		79	40-140			
Azobenzene	2.31	0.333	mg/kg wet	3.333		69	40-140			
Benzo(a)anthracene	2.97	0.333	mg/kg wet	3.333		89	40-140			
Benzo(a)pyrene	2.55	0.167	mg/kg wet	3.333		76	40-140			
Benzo(b)fluoranthene	2.62	0.333	mg/kg wet	3.333		79	40-140			
Benzo(g,h,i)perylene	2.79	0.333	mg/kg wet	3.333		84	40-140			
Benzo(k)fluoranthene	2.73	0.333	mg/kg wet	3.333		82	40-140			
Benzoic Acid	2.28	1.67	mg/kg wet	3.333		68	40-140			
Benzyl Alcohol	1.35	0.333	mg/kg wet	3.333		41	40-140			
bis(2-Chloroethoxy)methane	2.04	0.333	mg/kg wet	3.333		61	40-140			
bis(2-Chloroethyl)ether	1.92	0.333	mg/kg wet	3.333		58	40-140			
bis(2-chloroisopropyl)Ether	1.90	0.333	mg/kg wet	3.333		57	40-140			
bis(2-Ethylhexyl)phthalate	2.69	0.333	mg/kg wet	3.333		81	40-140			
Butylbenzylphthalate	2.67	0.333	mg/kg wet	3.333		80	40-140			
Carbazole	2.69	0.333	mg/kg wet	3.333		81	40-140			
Chrysene	2.83	0.167	mg/kg wet	3.333		85	40-140			
Dibenzo(a,h)Anthracene	2.64	0.167	mg/kg wet	3.333		79	40-140			
Dibenzofuran	2.24	0.333	mg/kg wet	3.333		67	40-140			
Diethylphthalate	2.53	0.333	mg/kg wet	3.333		76	40-140			
Dimethylphthalate	2.37	0.333	mg/kg wet	3.333		71	40-140			
Di-n-butylphthalate	2.48	0.333	mg/kg wet	3.333		75	40-140			
Di-n-octylphthalate	2.99	0.333	mg/kg wet	3.333		90	40-140			
Fluoranthene	2.70	0.333	mg/kg wet	3.333		81	40-140			
Fluorene	2.38	0.333	mg/kg wet	3.333		71	40-140			
Hexachlorobenzene	2.50	0.167	mg/kg wet	3.333		75	40-140			
Hexachlorobutadiene	1.91	0.333	mg/kg wet	3.333		57	40-140			
Hexachlorocyclopentadiene	1.83	1.67	mg/kg wet	3.333		55	40-140			
Hexachloroethane	1.96	0.333	mg/kg wet	3.333		59	40-140			
Indeno(1,2,3-cd)Pyrene	2.73	0.333	mg/kg wet	3.333		82	40-140			
Isophorone	2.10	0.333	mg/kg wet	3.333		63	40-140			
Naphthalene	1.97	0.333	mg/kg wet	3.333		59	40-140			
Nitrobenzene	2.02	0.333	mg/kg wet	3.333		61	40-140			
N-Nitrosodimethylamine	1.50	0.333	mg/kg wet	3.333		45	40-140			
N-Nitroso-Di-n-Propylamine	2.14	0.333	mg/kg wet	3.333		64	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21J0120

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DJ10509 - 3546										
N-nitrosodiphenylamine	2.42	0.333	mg/kg wet	3.333		73	40-140			
Pentachlorophenol	2.65	1.67	mg/kg wet	3.333		79	30-130			
Phenanthrene	2.50	0.333	mg/kg wet	3.333		75	40-140			
Phenol	1.91	0.333	mg/kg wet	3.333		57	30-130			
Pyrene	2.94	0.333	mg/kg wet	3.333		88	40-140			
Pyridine	1.85	1.67	mg/kg wet	3.333		56	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.13*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.99*		mg/kg wet	*5.000*		*80*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.51*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.49*		mg/kg wet	*3.333*		*75*	*30-130*			
Surrogate: 2-Fluorophenol	*3.33*		mg/kg wet	*5.000*		*67*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.28*		mg/kg wet	*3.333*		*69*	*30-130*			
Surrogate: Phenol-d6	*3.53*		mg/kg wet	*5.000*		*71*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.32*		mg/kg wet	*3.333*		*100*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.17	0.333	mg/kg wet	3.333		65	40-140	4	30	
1,2,4-Trichlorobenzene	2.10	0.333	mg/kg wet	3.333		63	40-140	3	30	
1,2-Dichlorobenzene	2.06	0.333	mg/kg wet	3.333		62	40-140	4	30	
1,3-Dichlorobenzene	1.98	0.333	mg/kg wet	3.333		59	40-140	5	30	
1,4-Dichlorobenzene	2.07	0.333	mg/kg wet	3.333		62	40-140	6	30	
2,3,4,6-Tetrachlorophenol	2.08	1.67	mg/kg wet	3.333		62	30-130	3	30	
2,4,5-Trichlorophenol	2.18	0.333	mg/kg wet	3.333		66	30-130	2	30	
2,4,6-Trichlorophenol	2.05	0.333	mg/kg wet	3.333		62	30-130	8	30	
2,4-Dichlorophenol	2.23	0.333	mg/kg wet	3.333		67	30-130	0.8	30	
2,4-Dimethylphenol	2.21	0.333	mg/kg wet	3.333		66	30-130	2	30	
2,4-Dinitrophenol	2.50	1.67	mg/kg wet	3.333		75	30-130	9	30	
2,4-Dinitrotoluene	2.33	0.333	mg/kg wet	3.333		70	40-140	3	30	
2,6-Dinitrotoluene	2.23	0.333	mg/kg wet	3.333		67	40-140	3	30	
2-Chloronaphthalene	2.07	0.333	mg/kg wet	3.333		62	40-140	4	30	
2-Chlorophenol	2.15	0.333	mg/kg wet	3.333		65	30-130	3	30	
2-Methylnaphthalene	2.04	0.333	mg/kg wet	3.333		61	40-140	0.4	30	
2-Methylphenol	2.14	0.333	mg/kg wet	3.333		64	30-130	4	30	
2-Nitroaniline	2.08	0.333	mg/kg wet	3.333		62	40-140	5	30	
2-Nitrophenol	2.00	0.333	mg/kg wet	3.333		60	30-130	2	30	
3,3´-Dichlorobenzidine	2.30	0.667	mg/kg wet	3.333		69	40-140	0.1	30	
3+4-Methylphenol	4.19	0.667	mg/kg wet	6.667		63	30-130	3	30	
3-Nitroaniline	2.12	0.333	mg/kg wet	3.333		64	40-140	3	30	
4,6-Dinitro-2-Methylphenol	2.85	1.67	mg/kg wet	3.333		85	30-130	7	30	
4-Bromophenyl-phenylether	2.32	0.333	mg/kg wet	3.333		70	40-140	5	30	
4-Chloro-3-Methylphenol	2.12	0.333	mg/kg wet	3.333		64	30-130	2	30	
4-Chloroaniline	1.81	0.667	mg/kg wet	3.333		54	40-140	0.7	30	
4-Chloro-phenyl-phenyl ether	2.18	0.333	mg/kg wet	3.333		65	40-140	5	30	
4-Nitroaniline	2.38	0.333	mg/kg wet	3.333		72	40-140	0.9	30	
4-Nitrophenol	1.97	1.67	mg/kg wet	3.333		59	30-130	2	30	
Acenaphthene	2.10	0.333	mg/kg wet	3.333		63	40-140	5	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21J0120

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DJ10509 - 3546										
Acenaphthylene	2.11	0.333	mg/kg wet	3.333		63	40-140	5	30	
Acetophenone	1.97	0.667	mg/kg wet	3.333		59	40-140	2	30	
Aniline	1.59	0.667	mg/kg wet	3.333		48	40-140	6	30	
Anthracene	2.58	0.333	mg/kg wet	3.333		77	40-140	3	30	
Azobenzene	2.21	0.333	mg/kg wet	3.333		66	40-140	4	30	
Benzo(a)anthracene	2.84	0.333	mg/kg wet	3.333		85	40-140	4	30	
Benzo(a)pyrene	2.46	0.167	mg/kg wet	3.333		74	40-140	3	30	
Benzo(b)fluoranthene	2.47	0.333	mg/kg wet	3.333		74	40-140	6	30	
Benzo(g,h,i)perylene	2.73	0.333	mg/kg wet	3.333		82	40-140	2	30	
Benzo(k)fluoranthene	2.67	0.333	mg/kg wet	3.333		80	40-140	2	30	
Benzoic Acid	2.31	1.67	mg/kg wet	3.333		69	40-140	1	30	
Benzyl Alcohol	1.32	0.333	mg/kg wet	3.333		40	40-140	2	30	
bis(2-Chloroethoxy)methane	2.05	0.333	mg/kg wet	3.333		61	40-140	0.3	30	
bis(2-Chloroethyl)ether	2.22	0.333	mg/kg wet	3.333		67	40-140	14	30	
bis(2-chloroisopropyl)Ether	2.01	0.333	mg/kg wet	3.333		60	40-140	5	30	
bis(2-Ethylhexyl)phthalate	2.54	0.333	mg/kg wet	3.333		76	40-140	6	30	
Butylbenzylphthalate	2.56	0.333	mg/kg wet	3.333		77	40-140	4	30	
Carbazole	2.65	0.333	mg/kg wet	3.333		79	40-140	2	30	
Chrysene	2.71	0.167	mg/kg wet	3.333		81	40-140	4	30	
Dibenzo(a,h)Anthracene	2.56	0.167	mg/kg wet	3.333		77	40-140	3	30	
Dibenzofuran	2.12	0.333	mg/kg wet	3.333		64	40-140	5	30	
Diethylphthalate	2.46	0.333	mg/kg wet	3.333		74	40-140	3	30	
Dimethylphthalate	2.27	0.333	mg/kg wet	3.333		68	40-140	4	30	
Di-n-butylphthalate	2.40	0.333	mg/kg wet	3.333		72	40-140	3	30	
Di-n-octylphthalate	2.83	0.333	mg/kg wet	3.333		85	40-140	5	30	
Fluoranthene	2.62	0.333	mg/kg wet	3.333		78	40-140	3	30	
Fluorene	2.27	0.333	mg/kg wet	3.333		68	40-140	5	30	
Hexachlorobenzene	2.46	0.167	mg/kg wet	3.333		74	40-140	2	30	
Hexachlorobutadiene	1.96	0.333	mg/kg wet	3.333		59	40-140	3	30	
Hexachlorocyclopentadiene	1.80	1.67	mg/kg wet	3.333		54	40-140	2	30	
Hexachloroethane	2.05	0.333	mg/kg wet	3.333		62	40-140	5	30	
Indeno(1,2,3-cd)Pyrene	2.60	0.333	mg/kg wet	3.333		78	40-140	5	30	
Isophorone	2.09	0.333	mg/kg wet	3.333		63	40-140	0.6	30	
Naphthalene	2.00	0.333	mg/kg wet	3.333		60	40-140	2	30	
Nitrobenzene	2.05	0.333	mg/kg wet	3.333		61	40-140	1	30	
N-Nitrosodimethylamine	1.54	0.333	mg/kg wet	3.333		46	40-140	3	30	
N-Nitroso-Di-n-Propylamine	2.19	0.333	mg/kg wet	3.333		66	40-140	3	30	
N-nitrosodiphenylamine	2.34	0.333	mg/kg wet	3.333		70	40-140	3	30	
Pentachlorophenol	2.59	1.67	mg/kg wet	3.333		78	30-130	2	30	
Phenanthrene	2.44	0.333	mg/kg wet	3.333		73	40-140	2	30	
Phenol	2.02	0.333	mg/kg wet	3.333		61	30-130	5	30	
Pyrene	2.77	0.333	mg/kg wet	3.333		83	40-140	6	30	
Pyridine	2.04	1.67	mg/kg wet	3.333		61	40-140	10	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.19*		mg/kg wet	*3.333*		*66*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.75*		mg/kg wet	*5.000*		*75*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21J0120

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DJ10509 - 3546										
Surrogate: 2-Chlorophenol-d4	*3.63*		mg/kg wet	*5.000*		*73*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.31*		mg/kg wet	*3.333*		*69*	*30-130*			
Surrogate: 2-Fluorophenol	*3.52*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.28*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: Phenol-d6	*3.50*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.06*		mg/kg wet	*3.333*		*92*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21J0120

Notes and Definitions

U	Analyte included in the analysis, but not detected
S+	Surrogate recovery(ies) above upper control limit (S+).
Q	Calibration required quadratic regression (Q).
ICV-	Initial Calibration Verification recovery is below lower control limit (ICV-).
D+	Relative percent difference for duplicate is outside of criteria (D+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21J0120

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: ESS Courier

ESS Project ID: 21J0120
Date Received: 10/6/2021
Project Due Date: 10/14/2021
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 1 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / (NA)
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? Yes / (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA

13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: _____ Time: _____ By: _____
    b. Low Level VOA vials frozen: Date: 10/6/21 Time: 1211 By: TO

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / (No)
    Who was contacted: _____ Date: _____ Time: _____ By: _____

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	214238	Yes	N/A	Yes	VOA Vial	DI Water	
1	214239	Yes	N/A	Yes	VOA Vial	DI Water	
1	214240	Yes	N/A	Yes	VOA Vial	MeOH	
1	214241	Yes	N/A	Yes	4 oz. Jar	NP	
1	214242	Yes	N/A	Yes	4 oz. Jar	NP	
1	214243	Yes	N/A	Yes	4 oz. Jar	NP	

2nd Review

Were all containers scanned into storage/lab? Initials: ED
Are barcode labels on correct containers? (Yes) / No
Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA
Are all Hex Chrome stickers attached? Yes / No / NA
Are all QC stickers attached? Yes / No / NA
Are VOA stickers attached if bubbles noted? Yes / No / NA

Completed By: [signature] Date & Time: 10.6.21 12:07

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 21J0120

Date Received: 10/6/2021

Reviewed By: [signature]

Date & Time: 12:11 10/6/21

185 Frances Avenue
Cranston, RI 02910
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 21J0120 | Page 1 of 1

Turn Time (Days) ☒ > 5 ☐ 5 ☐ 4 ☐ 3 ☐ 2 ☐ 1 ☐ Same Day

Regulatory State: RI Criteria:

Is this project for any of the following?:
☐ CT RCP ☐ MA MCP ☐ RGP ☐ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF)
☐ Limit Checker ☐ State Forms ☐ EQuIS
☐ Excel ☐ Hard Copy ☐ Enviro Data
☐ CLP-Like Package ☐ Other (Specify) →

CLIENT INFORMATION

Client: GZA
Address: 188 Valley St
Providence RI
Phone: 401-500-1483
Email Distribution List: Sara.Haupt@GZA.com

PROJECT INFORMATION

Project Name: FPLP
Project Location: 642 Allens Ave
Project Number: 33554.02 Task 6.2
Project Manager: Sara Haupt
Bill to: Sara Haupt
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	VOCs 8260	SVOCs 8270	TPH 8100 M	PP-13 metals	Total Number of Bottles
1	10/6/21	9:40	Comp	Soil	C-33 Sand	X	X	X	X	4
Container Type:	AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial					V	AG	AG	AG	
Container Volume:	1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*					7	9	9	9	
Preservation Code:	1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*					1/10	1	1	1	

Sampled by: Joe Liljegren

Chain needs to be filled out neatly and completely for on time delivery.

Laboratory Use Only
Cooler Temperature (°C): 1.0 Ice

Comments: * Please specify "Other" preservative and containers types in this space
National Grid rules apply

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration
☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
JL	10/6/21	10:20	[signature]				
Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)

CERTIFICATE OF ANALYSIS

Sara Haupt
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: 642 Allens Ave (03.0033554.04 T 6-2)
ESS Laboratory Work Order Number: 22B0164

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 1:31 pm, Feb 09, 2022

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

SAMPLE RECEIPT

The following samples were received on February 07, 2022 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on February 7, 2022 at 13:18.

Lab Number	Sample Name	Matrix	Analysis
22B0164-01	SP020722A	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
22B0164-02	SP020722B	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
22B0164-03	SP020722C	Soil	6010C
22B0164-04	SP020722D	Soil	6010C
22B0164-05	SP020722E	Soil	6010C
22B0164-06	SP020722F	Soil	6010C
22B0164-07	SP020722G	Soil	6010C

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

D2B0105-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Bromomethane (39% @ 30%)

DB20705-BS1 **Blank Spike recovery is below lower control limit (B-).**
Bromoform (69% @ 70-130%)

DB20705-BSD1 **Blank Spike recovery is above upper control limit (B+).**
Bromomethane (140% @ 70-130%)

8270D Semi-Volatile Organic Compounds

D2B0131-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (61% @ 80-120%), 4,6-Dinitro-2-Methylphenol (55% @ 80-120%), Benzoic Acid (78% @ 80-120%)

D2B0131-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
2,4-Dinitrophenol (39% @ 20%), 4,6-Dinitro-2-Methylphenol (45% @ 20%), Benzoic Acid (22% @ 20%)

D2B0131-CCV1 **Percent difference between primary and confirmation results exceeds 40% (P).**
Pentachlorophenol (94% @ 80-120%)

DB20721-BS1 **Blank Spike recovery is below lower control limit (B-).**
4-Chloroaniline (37% @ 40-140%), Hexachlorocyclopentadiene (38% @ 40-140%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722A
Date Sampled: 02/07/22 10:00
Percent Solids: 94

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.86)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Arsenic	ND (2.43)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Beryllium	**0.20** (0.11)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Cadmium	ND (0.49)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Chromium	**13.2** (0.97)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Copper	**10.6** (2.43)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Lead	**5.45** (4.86)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Mercury	ND (0.034)		7471B		1	BJV	02/08/22 15:11	0.61	40	DB20745
Nickel	**9.22** (2.43)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Selenium	ND (4.86)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Silver	ND (0.49)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Thallium	ND (4.86)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Zinc	**29.0** (2.43)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722A
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 6.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,1,1-Trichloroethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,1,2,2-Tetrachloroethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,1,2-Trichloroethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,1-Dichloroethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,1-Dichloroethene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,1-Dichloropropene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,2,3-Trichlorobenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,2,3-Trichloropropane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,2,4-Trichlorobenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,2,4-Trimethylbenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,2-Dibromo-3-Chloropropane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,2-Dibromoethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,2-Dichlorobenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,2-Dichloroethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,2-Dichloropropane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,3,5-Trimethylbenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,3-Dichlorobenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,3-Dichloropropane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,4-Dichlorobenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,4-Dioxane	ND (0.0767)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1-Chlorohexane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
2,2-Dichloropropane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
2-Butanone	ND (0.0384)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
2-Chlorotoluene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
2-Hexanone	ND (0.0384)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
4-Chlorotoluene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
4-Isopropyltoluene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
4-Methyl-2-Pentanone	ND (0.0384)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Acetone	ND (0.0384)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Benzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Bromobenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722A
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 6.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Bromodichloromethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Bromoform	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Bromomethane	ND (0.0077)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Carbon Disulfide	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Carbon Tetrachloride	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Chlorobenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Chloroethane	ND (0.0077)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Chloroform	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Chloromethane	ND (0.0077)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
cis-1,2-Dichloroethene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
cis-1,3-Dichloropropene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Dibromochloromethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Dibromomethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Dichlorodifluoromethane	ND (0.0077)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Diethyl Ether	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Di-isopropyl ether	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Ethyl tertiary-butyl ether	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Ethylbenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Hexachlorobutadiene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Isopropylbenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Methyl tert-Butyl Ether	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Methylene Chloride	ND (0.0192)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Naphthalene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
n-Butylbenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
n-Propylbenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
sec-Butylbenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Styrene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
tert-Butylbenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Tertiary-amyl methyl ether	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Tetrachloroethene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Tetrahydrofuran	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722A
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 6.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
trans-1,2-Dichloroethene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
trans-1,3-Dichloropropene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Trichloroethene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Trichlorofluoromethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Vinyl Acetate	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Vinyl Chloride	ND (0.0077)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Xylene O	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Xylene P,M	ND (0.0077)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Xylenes (Total)	ND (0.00767)		8260B Low		1	02/07/22 18:11		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*116 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*103 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722A
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 19.9
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: BXK
Prepared: 2/7/22 14:06

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (39.9)		8100M		1	02/07/22 22:09	D2B0145	DB20704

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*76 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722A
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 2/7/22 19:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
1,2,4-Trichlorobenzene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
1,2-Dichlorobenzene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
1,3-Dichlorobenzene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
1,4-Dichlorobenzene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2,3,4,6-Tetrachlorophenol	ND (1.85)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2,4,5-Trichlorophenol	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2,4,6-Trichlorophenol	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2,4-Dichlorophenol	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2,4-Dimethylphenol	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2,4-Dinitrophenol	ND (1.85)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2,4-Dinitrotoluene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2,6-Dinitrotoluene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2-Chloronaphthalene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2-Chlorophenol	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2-Methylnaphthalene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2-Methylphenol	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2-Nitroaniline	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2-Nitrophenol	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
3,3´-Dichlorobenzidine	ND (0.741)		8270D		1	02/07/22 21:13	D2B0131	DB20721
3+4-Methylphenol	ND (0.741)		8270D		1	02/07/22 21:13	D2B0131	DB20721
3-Nitroaniline	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
4,6-Dinitro-2-Methylphenol	ND (1.85)		8270D		1	02/07/22 21:13	D2B0131	DB20721
4-Bromophenyl-phenylether	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
4-Chloro-3-Methylphenol	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
4-Chloroaniline	ND (0.741)		8270D		1	02/07/22 21:13	D2B0131	DB20721
4-Chloro-phenyl-phenyl ether	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
4-Nitroaniline	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
4-Nitrophenol	ND (1.85)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Acenaphthene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Acenaphthylene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Acetophenone	ND (0.741)		8270D		1	02/07/22 21:13	D2B0131	DB20721

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722A
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 2/7/22 19:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.741)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Anthracene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Azobenzene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Benzo(a)anthracene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Benzo(a)pyrene	ND (0.185)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Benzo(b)fluoranthene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Benzo(g,h,i)perylene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Benzo(k)fluoranthene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Benzoic Acid	ND (1.85)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Benzyl Alcohol	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
bis(2-Chloroethoxy)methane	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
bis(2-Chloroethyl)ether	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
bis(2-chloroisopropyl)Ether	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
bis(2-Ethylhexyl)phthalate	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Butylbenzylphthalate	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Carbazole	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Chrysene	ND (0.185)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Dibenzo(a,h)Anthracene	ND (0.185)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Dibenzofuran	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Diethylphthalate	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Dimethylphthalate	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Di-n-butylphthalate	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Di-n-octylphthalate	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Fluoranthene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Fluorene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Hexachlorobenzene	ND (0.185)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Hexachlorobutadiene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Hexachlorocyclopentadiene	ND (1.85)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Hexachloroethane	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Indeno(1,2,3-cd)Pyrene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Isophorone	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Naphthalene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722A
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 2/7/22 19:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
N-Nitrosodimethylamine	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
N-Nitroso-Di-n-Propylamine	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
N-nitrosodiphenylamine	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Pentachlorophenol	ND (1.85)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Phenanthrene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Phenol	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Pyrene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Pyridine	ND (1.85)		8270D		1	02/07/22 21:13	D2B0131	DB20721

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*56 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*75 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*58 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*60 %*		*30-130*
Surrogate: 2-Fluorophenol	*57 %*		*30-130*
Surrogate: Nitrobenzene-d5	*57 %*		*30-130*
Surrogate: Phenol-d6	*60 %*		*30-130*
Surrogate: p-Terphenyl-d14	*86 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722B
Date Sampled: 02/07/22 10:00
Percent Solids: 94

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.81)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Arsenic	ND (2.40)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Beryllium	**0.20** (0.11)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Cadmium	ND (0.48)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Chromium	**14.1** (0.96)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Copper	**18.3** (2.40)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Lead	**6.45** (4.81)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Mercury	ND (0.032)		7471B		1	BJV	02/08/22 15:12	0.66	40	DB20745
Nickel	**9.52** (2.40)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Selenium	ND (4.81)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Silver	ND (0.48)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Thallium	ND (4.81)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Zinc	**27.5** (2.40)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722B
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 9.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,1,1-Trichloroethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,1,2,2-Tetrachloroethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,1,2-Trichloroethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,1-Dichloroethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,1-Dichloroethene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,1-Dichloropropene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,2,3-Trichlorobenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,2,3-Trichloropropane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,2,4-Trichlorobenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,2,4-Trimethylbenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,2-Dibromo-3-Chloropropane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,2-Dibromoethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,2-Dichlorobenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,2-Dichloroethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,2-Dichloropropane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,3,5-Trimethylbenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,3-Dichlorobenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,3-Dichloropropane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,4-Dichlorobenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,4-Dioxane	ND (0.0542)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1-Chlorohexane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
2,2-Dichloropropane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
2-Butanone	ND (0.0271)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
2-Chlorotoluene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
2-Hexanone	ND (0.0271)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
4-Chlorotoluene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
4-Isopropyltoluene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
4-Methyl-2-Pentanone	ND (0.0271)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Acetone	ND (0.0271)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Benzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Bromobenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722B
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 9.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Bromodichloromethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Bromoform	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Bromomethane	ND (0.0054)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Carbon Disulfide	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Carbon Tetrachloride	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Chlorobenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Chloroethane	ND (0.0054)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Chloroform	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Chloromethane	ND (0.0054)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
cis-1,2-Dichloroethene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
cis-1,3-Dichloropropene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Dibromochloromethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Dibromomethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Dichlorodifluoromethane	ND (0.0054)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Diethyl Ether	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Di-isopropyl ether	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Ethyl tertiary-butyl ether	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Ethylbenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Hexachlorobutadiene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Isopropylbenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Methyl tert-Butyl Ether	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Methylene Chloride	ND (0.0135)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Naphthalene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
n-Butylbenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
n-Propylbenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
sec-Butylbenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Styrene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
tert-Butylbenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Tertiary-amyl methyl ether	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Tetrachloroethene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Tetrahydrofuran	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722B
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 9.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
trans-1,2-Dichloroethene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
trans-1,3-Dichloropropene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Trichloroethene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Trichlorofluoromethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Vinyl Acetate	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Vinyl Chloride	ND (0.0054)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Xylene O	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Xylene P,M	ND (0.0054)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Xylenes (Total)	ND (0.00542)		8260B Low		1	02/07/22 18:37		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*117 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*103 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722B
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 20
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: BXK
Prepared: 2/7/22 14:06

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (39.8)		8100M		1	02/07/22 22:43	D2B0145	DB20704

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*75 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722B
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 2/7/22 19:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
1,2,4-Trichlorobenzene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
1,2-Dichlorobenzene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
1,3-Dichlorobenzene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
1,4-Dichlorobenzene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2,3,4,6-Tetrachlorophenol	ND (1.73)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2,4,5-Trichlorophenol	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2,4,6-Trichlorophenol	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2,4-Dichlorophenol	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2,4-Dimethylphenol	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2,4-Dinitrophenol	ND (1.73)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2,4-Dinitrotoluene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2,6-Dinitrotoluene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2-Chloronaphthalene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2-Chlorophenol	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2-Methylnaphthalene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2-Methylphenol	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2-Nitroaniline	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2-Nitrophenol	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
3,3´-Dichlorobenzidine	ND (0.690)		8270D		1	02/07/22 21:44	D2B0131	DB20721
3+4-Methylphenol	ND (0.690)		8270D		1	02/07/22 21:44	D2B0131	DB20721
3-Nitroaniline	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
4,6-Dinitro-2-Methylphenol	ND (1.73)		8270D		1	02/07/22 21:44	D2B0131	DB20721
4-Bromophenyl-phenylether	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
4-Chloro-3-Methylphenol	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
4-Chloroaniline	ND (0.690)		8270D		1	02/07/22 21:44	D2B0131	DB20721
4-Chloro-phenyl-phenyl ether	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
4-Nitroaniline	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
4-Nitrophenol	ND (1.73)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Acenaphthene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Acenaphthylene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Acetophenone	ND (0.690)		8270D		1	02/07/22 21:44	D2B0131	DB20721

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722B
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 2/7/22 19:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.690)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Anthracene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Azobenzene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Benzo(a)anthracene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Benzo(a)pyrene	ND (0.173)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Benzo(b)fluoranthene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Benzo(g,h,i)perylene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Benzo(k)fluoranthene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Benzoic Acid	ND (1.73)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Benzyl Alcohol	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
bis(2-Chloroethoxy)methane	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
bis(2-Chloroethyl)ether	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
bis(2-chloroisopropyl)Ether	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
bis(2-Ethylhexyl)phthalate	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Butylbenzylphthalate	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Carbazole	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Chrysene	ND (0.173)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Dibenzo(a,h)Anthracene	ND (0.173)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Dibenzofuran	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Diethylphthalate	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Dimethylphthalate	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Di-n-butylphthalate	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Di-n-octylphthalate	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Fluoranthene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Fluorene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Hexachlorobenzene	ND (0.173)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Hexachlorobutadiene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Hexachlorocyclopentadiene	ND (1.73)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Hexachloroethane	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Indeno(1,2,3-cd)Pyrene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Isophorone	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Naphthalene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722B
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 2/7/22 19:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
N-Nitrosodimethylamine	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
N-Nitroso-Di-n-Propylamine	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
N-nitrosodiphenylamine	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Pentachlorophenol	ND (1.73)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Phenanthrene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Phenol	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Pyrene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Pyridine	ND (1.73)		8270D		1	02/07/22 21:44	D2B0131	DB20721

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*57 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*83 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*58 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*64 %*		*30-130*
Surrogate: 2-Fluorophenol	*59 %*		*30-130*
Surrogate: Nitrobenzene-d5	*59 %*		*30-130*
Surrogate: Phenol-d6	*63 %*		*30-130*
Surrogate: p-Terphenyl-d14	*94 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722C
Date Sampled: 02/07/22 10:00
Percent Solids: 96

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.56)		6010C		1	NAR	02/08/22 11:38	2.04	100	DB20735

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722D
Date Sampled: 02/07/22 10:00
Percent Solids: 94

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.53)		6010C		1	NAR	02/08/22 9:36	2.1	100	DB20735

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722E
Date Sampled: 02/07/22 10:00
Percent Solids: 94

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-05
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.55)		6010C		1	NAR	02/08/22 9:38	2.09	100	DB20735

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722F
Date Sampled: 02/07/22 10:00
Percent Solids: 93

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-06
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.57)		6010C		1	NAR	02/08/22 9:39	2.08	100	DB20735

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722G
Date Sampled: 02/07/22 10:00
Percent Solids: 95

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-07
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.34)		6010C		1	NAR	02/08/22 9:41	2.25	100	DB20735

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Total Metals

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch DB20735 - 3050B										
Blank										
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	5.00	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	46.6	15.6	mg/kg wet	43.90		106	80-120			
Arsenic	86.3	7.81	mg/kg wet	93.10		93	80-120			
Beryllium	63.4	0.34	mg/kg wet	68.80		92	80-120			
Cadmium	266	1.56	mg/kg wet	301.0		88	80-120			
Chromium	292	3.12	mg/kg wet	326.0		90	80-120			
Copper	170	7.81	mg/kg wet	188.0		90	80-120			
Lead	182	15.6	mg/kg wet	192.0		95	80-120			
Nickel	290	7.81	mg/kg wet	322.0		90	80-120			
Selenium	233	15.6	mg/kg wet	270.0		86	80-120			
Silver	59.3	1.56	mg/kg wet	63.70		93	80-120			
Thallium	245	15.6	mg/kg wet	263.0		93	80-120			
Zinc	275	7.81	mg/kg wet	307.0		90	80-120			
LCS Dup										
Antimony	49.0	16.7	mg/kg wet	43.90		112	80-120	5	20	
Arsenic	86.8	8.33	mg/kg wet	93.10		93	80-120	0.7	20	
Beryllium	64.9	0.37	mg/kg wet	68.80		94	80-120	2	20	
Cadmium	271	1.67	mg/kg wet	301.0		90	80-120	2	20	
Chromium	298	3.33	mg/kg wet	326.0		92	80-120	2	20	
Copper	173	8.33	mg/kg wet	188.0		92	80-120	2	20	
Lead	184	16.7	mg/kg wet	192.0		96	80-120	1	20	
Nickel	295	8.33	mg/kg wet	322.0		92	80-120	2	20	
Selenium	236	16.7	mg/kg wet	270.0		88	80-120	1	20	
Silver	60.0	1.67	mg/kg wet	63.70		94	80-120	1	20	
Thallium	253	16.7	mg/kg wet	263.0		96	80-120	3	20	
Zinc	268	8.33	mg/kg wet	307.0		87	80-120	3	20	
Batch DB20745 - 3050B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	20.5	3.09	mg/kg wet	15.40		133	80-134			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DB20745 - 3050B										
LCS Dup										
Mercury	19.6	2.91	mg/kg wet	15.40		127	80-134	5	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch DB20705 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DB20705 - 5035										
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0539*		mg/kg wet	*0.05000*		*108*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0494*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0493*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Toluene-d8	*0.0497*		mg/kg wet	*0.05000*		*99*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0396	0.0050	mg/kg wet	0.05000		79	70-130			
1,1,1-Trichloroethane	0.0452	0.0050	mg/kg wet	0.05000		90	70-130			
1,1,2,2-Tetrachloroethane	0.0445	0.0050	mg/kg wet	0.05000		89	70-130			
1,1,2-Trichloroethane	0.0450	0.0050	mg/kg wet	0.05000		90	70-130			
1,1-Dichloroethane	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
1,1-Dichloroethene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DB20705 - 5035										
1,1-Dichloropropene	0.0475	0.0050	mg/kg wet	0.05000		95	70-130			
1,2,3-Trichlorobenzene	0.0447	0.0050	mg/kg wet	0.05000		89	70-130			
1,2,3-Trichloropropane	0.0423	0.0050	mg/kg wet	0.05000		85	70-130			
1,2,4-Trichlorobenzene	0.0446	0.0050	mg/kg wet	0.05000		89	70-130			
1,2,4-Trimethylbenzene	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
1,2-Dibromo-3-Chloropropane	0.0381	0.0050	mg/kg wet	0.05000		76	70-130			
1,2-Dibromoethane	0.0428	0.0050	mg/kg wet	0.05000		86	70-130			
1,2-Dichlorobenzene	0.0462	0.0050	mg/kg wet	0.05000		92	70-130			
1,2-Dichloroethane	0.0479	0.0050	mg/kg wet	0.05000		96	70-130			
1,2-Dichloropropane	0.0453	0.0050	mg/kg wet	0.05000		91	70-130			
1,3,5-Trimethylbenzene	0.0467	0.0050	mg/kg wet	0.05000		93	70-130			
1,3-Dichlorobenzene	0.0457	0.0050	mg/kg wet	0.05000		91	70-130			
1,3-Dichloropropane	0.0456	0.0050	mg/kg wet	0.05000		91	70-130			
1,4-Dichlorobenzene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
1,4-Dioxane	0.920	0.100	mg/kg wet	1.000		92	70-130			
1-Chlorohexane	0.0418	0.0050	mg/kg wet	0.05000		84	70-130			
2,2-Dichloropropane	0.0442	0.0050	mg/kg wet	0.05000		88	70-130			
2-Butanone	0.279	0.0500	mg/kg wet	0.2500		112	70-130			
2-Chlorotoluene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
2-Hexanone	0.255	0.0500	mg/kg wet	0.2500		102	70-130			
4-Chlorotoluene	0.0471	0.0050	mg/kg wet	0.05000		94	70-130			
4-Isopropyltoluene	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
4-Methyl-2-Pentanone	0.245	0.0500	mg/kg wet	0.2500		98	70-130			
Acetone	0.323	0.0500	mg/kg wet	0.2500		129	70-130			
Benzene	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			
Bromobenzene	0.0453	0.0050	mg/kg wet	0.05000		91	70-130			
Bromochloromethane	0.0466	0.0050	mg/kg wet	0.05000		93	70-130			
Bromodichloromethane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
Bromoform	0.0346	0.0050	mg/kg wet	0.05000		69	70-130			B-
Bromomethane	0.0597	0.0100	mg/kg wet	0.05000		119	70-130			
Carbon Disulfide	0.0497	0.0050	mg/kg wet	0.05000		99	70-130			
Carbon Tetrachloride	0.0443	0.0050	mg/kg wet	0.05000		89	70-130			
Chlorobenzene	0.0447	0.0050	mg/kg wet	0.05000		89	70-130			
Chloroethane	0.0524	0.0100	mg/kg wet	0.05000		105	70-130			
Chloroform	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
Chloromethane	0.0440	0.0100	mg/kg wet	0.05000		88	70-130			
cis-1,2-Dichloroethene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130			
cis-1,3-Dichloropropene	0.0449	0.0050	mg/kg wet	0.05000		90	70-130			
Dibromochloromethane	0.0439	0.0050	mg/kg wet	0.05000		88	70-130			
Dibromomethane	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
Dichlorodifluoromethane	0.0452	0.0100	mg/kg wet	0.05000		90	70-130			
Diethyl Ether	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
Di-isopropyl ether	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
Ethyl tertiary-butyl ether	0.0455	0.0050	mg/kg wet	0.05000		91	70-130			
Ethylbenzene	0.0445	0.0050	mg/kg wet	0.05000		89	70-130			

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Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DB20705 - 5035										
Hexachlorobutadiene	0.0444	0.0050	mg/kg wet	0.05000		89	70-130			
Isopropylbenzene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
Methyl tert-Butyl Ether	0.0451	0.0050	mg/kg wet	0.05000		90	70-130			
Methylene Chloride	0.0478	0.0250	mg/kg wet	0.05000		96	70-130			
Naphthalene	0.0405	0.0050	mg/kg wet	0.05000		81	70-130			
n-Butylbenzene	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
n-Propylbenzene	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
sec-Butylbenzene	0.0457	0.0050	mg/kg wet	0.05000		91	70-130			
Styrene	0.0437	0.0050	mg/kg wet	0.05000		87	70-130			
tert-Butylbenzene	0.0464	0.0050	mg/kg wet	0.05000		93	70-130			
Tertiary-amyl methyl ether	0.0432	0.0050	mg/kg wet	0.05000		86	70-130			
Tetrachloroethene	0.0427	0.0050	mg/kg wet	0.05000		85	70-130			
Tetrahydrofuran	0.0424	0.0050	mg/kg wet	0.05000		85	70-130			
Toluene	0.0472	0.0050	mg/kg wet	0.05000		94	70-130			
trans-1,2-Dichloroethene	0.0497	0.0050	mg/kg wet	0.05000		99	70-130			
trans-1,3-Dichloropropene	0.0421	0.0050	mg/kg wet	0.05000		84	70-130			
Trichloroethene	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
Trichlorofluoromethane	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
Vinyl Acetate	0.0424	0.0050	mg/kg wet	0.05000		85	70-130			
Vinyl Chloride	0.0575	0.0100	mg/kg wet	0.05000		115	70-130			
Xylene O	0.0447	0.0050	mg/kg wet	0.05000		89	70-130			
Xylene P,M	0.0917	0.0100	mg/kg wet	0.1000		92	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0524*		mg/kg wet	*0.05000*		*105*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0492*		mg/kg wet	*0.05000*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0511*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.0494*		mg/kg wet	*0.05000*		*99*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0464	0.0050	mg/kg wet	0.05000		93	70-130	16	25	
1,1,1-Trichloroethane	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	12	25	
1,1,2,2-Tetrachloroethane	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	9	25	
1,1,2-Trichloroethane	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	7	25	
1,1-Dichloroethane	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	10	25	
1,1-Dichloroethene	0.0582	0.0050	mg/kg wet	0.05000		116	70-130	12	25	
1,1-Dichloropropene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	11	25	
1,2,3-Trichlorobenzene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	8	25	
1,2,3-Trichloropropane	0.0456	0.0050	mg/kg wet	0.05000		91	70-130	8	25	
1,2,4-Trichlorobenzene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130	10	25	
1,2,4-Trimethylbenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	12	25	
1,2-Dibromo-3-Chloropropane	0.0403	0.0050	mg/kg wet	0.05000		81	70-130	6	25	
1,2-Dibromoethane	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	13	25	
1,2-Dichlorobenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	10	25	
1,2-Dichloroethane	0.0514	0.0050	mg/kg wet	0.05000		103	70-130	7	25	
1,2-Dichloropropane	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	9	25	
1,3,5-Trimethylbenzene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	13	25	
1,3-Dichlorobenzene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	12	25	

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Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DB20705 - 5035										
1,3-Dichloropropane	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	12	25	
1,4-Dichlorobenzene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	10	25	
1,4-Dioxane	0.960	0.100	mg/kg wet	1.000		96	70-130	4	20	
1-Chlorohexane	0.0496	0.0050	mg/kg wet	0.05000		99	70-130	17	25	
2,2-Dichloropropane	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	12	25	
2-Butanone	0.290	0.0500	mg/kg wet	0.2500		116	70-130	4	25	
2-Chlorotoluene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	11	25	
2-Hexanone	0.267	0.0500	mg/kg wet	0.2500		107	70-130	4	25	
4-Chlorotoluene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	12	25	
4-Isopropyltoluene	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	13	25	
4-Methyl-2-Pentanone	0.250	0.0500	mg/kg wet	0.2500		100	70-130	2	25	
Acetone	0.318	0.0500	mg/kg wet	0.2500		127	70-130	1	25	
Benzene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	10	25	
Bromobenzene	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	12	25	
Bromochloromethane	0.0500	0.0050	mg/kg wet	0.05000		100	70-130	7	25	
Bromodichloromethane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	9	25	
Bromoform	0.0400	0.0050	mg/kg wet	0.05000		80	70-130	15	25	
Bromomethane	0.0700	0.0100	mg/kg wet	0.05000		140	70-130	16	25	B+
Carbon Disulfide	0.0560	0.0050	mg/kg wet	0.05000		112	70-130	12	25	
Carbon Tetrachloride	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	14	25	
Chlorobenzene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	14	25	
Chloroethane	0.0580	0.0100	mg/kg wet	0.05000		116	70-130	10	25	
Chloroform	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	10	25	
Chloromethane	0.0477	0.0100	mg/kg wet	0.05000		95	70-130	8	25	
cis-1,2-Dichloroethene	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	11	25	
cis-1,3-Dichloropropene	0.0488	0.0050	mg/kg wet	0.05000		98	70-130	8	25	
Dibromochloromethane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130	15	25	
Dibromomethane	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	7	25	
Dichlorodifluoromethane	0.0504	0.0100	mg/kg wet	0.05000		101	70-130	11	25	
Diethyl Ether	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	7	25	
Di-isopropyl ether	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	9	25	
Ethyl tertiary-butyl ether	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	8	25	
Ethylbenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	15	25	
Hexachlorobutadiene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	13	25	
Isopropylbenzene	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	13	25	
Methyl tert-Butyl Ether	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	6	25	
Methylene Chloride	0.0521	0.0250	mg/kg wet	0.05000		104	70-130	8	25	
Naphthalene	0.0435	0.0050	mg/kg wet	0.05000		87	70-130	7	25	
n-Butylbenzene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	14	25	
n-Propylbenzene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	13	25	
sec-Butylbenzene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	14	25	
Styrene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	14	25	
tert-Butylbenzene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	14	25	
Tertiary-amyl methyl ether	0.0468	0.0050	mg/kg wet	0.05000		94	70-130	8	25	
Tetrachloroethene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130	20	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DB20705 - 5035										
Tetrahydrofuran	0.0433	0.0050	mg/kg wet	0.05000		87	70-130	2	25	
Toluene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130	10	25	
trans-1,2-Dichloroethene	0.0557	0.0050	mg/kg wet	0.05000		111	70-130	12	25	
trans-1,3-Dichloropropene	0.0453	0.0050	mg/kg wet	0.05000		91	70-130	7	25	
Trichloroethene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	13	25	
Trichlorofluoromethane	0.0586	0.0050	mg/kg wet	0.05000		117	70-130	12	25	
Vinyl Acetate	0.0449	0.0050	mg/kg wet	0.05000		90	70-130	6	25	
Vinyl Chloride	0.0642	0.0100	mg/kg wet	0.05000		128	70-130	11	25	
Xylene O	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	14	25	
Xylene P,M	0.107	0.0100	mg/kg wet	0.1000		107	70-130	15	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0505*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0502*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0505*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0515*		mg/kg wet	*0.05000*		*103*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch DB20704 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.07*		mg/kg wet	*5.000*		*81*	*40-140*			
LCS										
Decane (C10)	1.6	0.2	mg/kg wet	2.500		63	40-140			
Docosane (C22)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Dodecane (C12)	1.8	0.2	mg/kg wet	2.500		70	40-140			
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		94	40-140			
Hexadecane (C16)	2.2	0.2	mg/kg wet	2.500		86	40-140			
Nonadecane (C19)	2.3	0.2	mg/kg wet	2.500		94	40-140			
Nonane (C9)	1.7	0.2	mg/kg wet	2.500		69	30-140			
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		89	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DB20704 - 3546										
Tetracosane (C24)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Tetradecane (C14)	1.9	0.2	mg/kg wet	2.500		76	40-140			
Total Petroleum Hydrocarbons	31.1	37.5	mg/kg wet	35.00		89	40-140			
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		93	40-140			
Surrogate: O-Terphenyl	*4.23*		mg/kg wet	*5.000*		*85*	*40-140*			
LCS Dup										
Decane (C10)	1.5	0.2	mg/kg wet	2.500		60	40-140	5	25	
Docosane (C22)	2.0	0.2	mg/kg wet	2.500		81	40-140	11	25	
Dodecane (C12)	1.7	0.2	mg/kg wet	2.500		69	40-140	1	25	
Eicosane (C20)	2.0	0.2	mg/kg wet	2.500		80	40-140	13	25	
Hexacosane (C26)	2.1	0.2	mg/kg wet	2.500		82	40-140	13	25	
Hexadecane (C16)	1.8	0.2	mg/kg wet	2.500		70	40-140	20	25	
Nonadecane (C19)	2.1	0.2	mg/kg wet	2.500		83	40-140	12	25	
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		66	30-140	5	25	
Octacosane (C28)	2.0	0.2	mg/kg wet	2.500		81	40-140	12	25	
Octadecane (C18)	2.0	0.2	mg/kg wet	2.500		78	40-140	12	25	
Tetracosane (C24)	1.8	0.2	mg/kg wet	2.500		73	40-140	13	25	
Tetradecane (C14)	1.7	0.2	mg/kg wet	2.500		68	40-140	12	25	
Total Petroleum Hydrocarbons	28.0	37.5	mg/kg wet	35.00		80	40-140	11	25	
Triacontane (C30)	2.1	0.2	mg/kg wet	2.500		82	40-140	12	25	
Surrogate: O-Terphenyl	*3.79*		mg/kg wet	*5.000*		*76*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DB20721 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DB20721 - 3546										
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DB20721 - 3546										
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.34*		mg/kg wet	*3.333*		*70*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.46*		mg/kg wet	*5.000*		*89*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.76*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.51*		mg/kg wet	*3.333*		*75*	*30-130*			
Surrogate: 2-Fluorophenol	*3.73*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.38*		mg/kg wet	*3.333*		*71*	*30-130*			
Surrogate: Phenol-d6	*3.74*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.38*		mg/kg wet	*3.333*		*101*	*30-130*			
LCS										
1,1-Biphenyl	1.94	0.333	mg/kg wet	3.333		58	40-140			
1,2,4-Trichlorobenzene	1.79	0.333	mg/kg wet	3.333		54	40-140			
1,2-Dichlorobenzene	1.72	0.333	mg/kg wet	3.333		52	40-140			
1,3-Dichlorobenzene	1.70	0.333	mg/kg wet	3.333		51	40-140			
1,4-Dichlorobenzene	1.68	0.333	mg/kg wet	3.333		50	40-140			
2,3,4,6-Tetrachlorophenol	2.82	1.67	mg/kg wet	3.333		85	30-130			
2,4,5-Trichlorophenol	2.39	0.333	mg/kg wet	3.333		72	30-130			
2,4,6-Trichlorophenol	2.24	0.333	mg/kg wet	3.333		67	30-130			
2,4-Dichlorophenol	2.00	0.333	mg/kg wet	3.333		60	30-130			
2,4-Dimethylphenol	2.00	0.333	mg/kg wet	3.333		60	30-130			
2,4-Dinitrophenol	1.63	1.67	mg/kg wet	3.333		49	30-130			
2,4-Dinitrotoluene	2.75	0.333	mg/kg wet	3.333		82	40-140			
2,6-Dinitrotoluene	2.52	0.333	mg/kg wet	3.333		75	40-140			
2-Chloronaphthalene	1.95	0.333	mg/kg wet	3.333		59	40-140			
2-Chlorophenol	1.89	0.333	mg/kg wet	3.333		57	30-130			
2-Methylnaphthalene	1.90	0.333	mg/kg wet	3.333		57	40-140			
2-Methylphenol	1.91	0.333	mg/kg wet	3.333		57	30-130			
2-Nitroaniline	2.50	0.333	mg/kg wet	3.333		75	40-140			
2-Nitrophenol	1.80	0.333	mg/kg wet	3.333		54	30-130			
3,3´-Dichlorobenzidine	1.93	0.667	mg/kg wet	3.333		58	40-140			
3+4-Methylphenol	4.47	0.667	mg/kg wet	6.667		67	30-130			
3-Nitroaniline	2.16	0.333	mg/kg wet	3.333		65	40-140			
4,6-Dinitro-2-Methylphenol	1.78	1.67	mg/kg wet	3.333		53	30-130			
4-Bromophenyl-phenylether	2.57	0.333	mg/kg wet	3.333		77	40-140			
4-Chloro-3-Methylphenol	2.25	0.333	mg/kg wet	3.333		68	30-130			
4-Chloroaniline	1.22	0.667	mg/kg wet	3.333		37	40-140			B-

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DB20721 - 3546										
4-Chloro-phenyl-phenyl ether	2.24	0.333	mg/kg wet	3.333		67	40-140			
4-Nitroaniline	2.86	0.333	mg/kg wet	3.333		86	40-140			
4-Nitrophenol	2.50	1.67	mg/kg wet	3.333		75	30-130			
Acenaphthene	2.01	0.333	mg/kg wet	3.333		60	40-140			
Acenaphthylene	1.80	0.333	mg/kg wet	3.333		54	40-140			
Acetophenone	1.98	0.667	mg/kg wet	3.333		60	40-140			
Aniline	1.34	0.667	mg/kg wet	3.333		40	40-140			
Anthracene	2.59	0.333	mg/kg wet	3.333		78	40-140			
Azobenzene	2.37	0.333	mg/kg wet	3.333		71	40-140			
Benzo(a)anthracene	2.75	0.333	mg/kg wet	3.333		83	40-140			
Benzo(a)pyrene	2.78	0.167	mg/kg wet	3.333		83	40-140			
Benzo(b)fluoranthene	2.75	0.333	mg/kg wet	3.333		82	40-140			
Benzo(g,h,i)perylene	2.75	0.333	mg/kg wet	3.333		82	40-140			
Benzo(k)fluoranthene	2.95	0.333	mg/kg wet	3.333		89	40-140			
Benzoic Acid	1.77	1.67	mg/kg wet	3.333		53	40-140			
Benzyl Alcohol	1.57	0.333	mg/kg wet	3.333		47	40-140			
bis(2-Chloroethoxy)methane	1.85	0.333	mg/kg wet	3.333		56	40-140			
bis(2-Chloroethyl)ether	1.83	0.333	mg/kg wet	3.333		55	40-140			
bis(2-chloroisopropyl)Ether	1.79	0.333	mg/kg wet	3.333		54	40-140			
bis(2-Ethylhexyl)phthalate	2.84	0.333	mg/kg wet	3.333		85	40-140			
Butylbenzylphthalate	2.79	0.333	mg/kg wet	3.333		84	40-140			
Carbazole	2.65	0.333	mg/kg wet	3.333		80	40-140			
Chrysene	2.79	0.167	mg/kg wet	3.333		84	40-140			
Dibenzo(a,h)Anthracene	2.70	0.167	mg/kg wet	3.333		81	40-140			
Dibenzofuran	2.07	0.333	mg/kg wet	3.333		62	40-140			
Diethylphthalate	2.49	0.333	mg/kg wet	3.333		75	40-140			
Dimethylphthalate	2.37	0.333	mg/kg wet	3.333		71	40-140			
Di-n-butylphthalate	2.90	0.333	mg/kg wet	3.333		87	40-140			
Di-n-octylphthalate	2.95	0.333	mg/kg wet	3.333		89	40-140			
Fluoranthene	2.80	0.333	mg/kg wet	3.333		84	40-140			
Fluorene	2.34	0.333	mg/kg wet	3.333		70	40-140			
Hexachlorobenzene	2.61	0.167	mg/kg wet	3.333		78	40-140			
Hexachlorobutadiene	1.74	0.333	mg/kg wet	3.333		52	40-140			
Hexachlorocyclopentadiene	1.26	1.67	mg/kg wet	3.333		38	40-140			B-
Hexachloroethane	1.74	0.333	mg/kg wet	3.333		52	40-140			
Indeno(1,2,3-cd)Pyrene	2.91	0.333	mg/kg wet	3.333		87	40-140			
Isophorone	1.68	0.333	mg/kg wet	3.333		50	40-140			
Naphthalene	1.80	0.333	mg/kg wet	3.333		54	40-140			
Nitrobenzene	1.74	0.333	mg/kg wet	3.333		52	40-140			
N-Nitrosodimethylamine	1.47	0.333	mg/kg wet	3.333		44	40-140			
N-Nitroso-Di-n-Propylamine	2.05	0.333	mg/kg wet	3.333		61	40-140			
N-nitrosodiphenylamine	2.85	0.333	mg/kg wet	3.333		85	40-140			
Pentachlorophenol	2.68	1.67	mg/kg wet	3.333		80	30-130			
Phenanthrene	2.56	0.333	mg/kg wet	3.333		77	40-140			
Phenol	1.91	0.333	mg/kg wet	3.333		57	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DB20721 - 3546										
Pyrene	2.79	0.333	mg/kg wet	3.333		84	40-140			
Pyridine	1.46	1.67	mg/kg wet	3.333		44	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*1.95*		mg/kg wet	*3.333*		*58*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.94*		mg/kg wet	*5.000*		*99*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.18*		mg/kg wet	*5.000*		*64*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.20*		mg/kg wet	*3.333*		*66*	*30-130*			
Surrogate: 2-Fluorophenol	*3.07*		mg/kg wet	*5.000*		*61*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.02*		mg/kg wet	*3.333*		*61*	*30-130*			
Surrogate: Phenol-d6	*3.27*		mg/kg wet	*5.000*		*65*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.19*		mg/kg wet	*3.333*		*96*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.10	0.333	mg/kg wet	3.333		63	40-140	8	30	
1,2,4-Trichlorobenzene	1.97	0.333	mg/kg wet	3.333		59	40-140	10	30	
1,2-Dichlorobenzene	1.90	0.333	mg/kg wet	3.333		57	40-140	10	30	
1,3-Dichlorobenzene	1.89	0.333	mg/kg wet	3.333		57	40-140	11	30	
1,4-Dichlorobenzene	1.88	0.333	mg/kg wet	3.333		56	40-140	11	30	
2,3,4,6-Tetrachlorophenol	2.91	1.67	mg/kg wet	3.333		87	30-130	3	30	
2,4,5-Trichlorophenol	2.46	0.333	mg/kg wet	3.333		74	30-130	3	30	
2,4,6-Trichlorophenol	2.36	0.333	mg/kg wet	3.333		71	30-130	5	30	
2,4-Dichlorophenol	2.16	0.333	mg/kg wet	3.333		65	30-130	8	30	
2,4-Dimethylphenol	2.13	0.333	mg/kg wet	3.333		64	30-130	7	30	
2,4-Dinitrophenol	1.76	1.67	mg/kg wet	3.333		53	30-130	8	30	
2,4-Dinitrotoluene	2.72	0.333	mg/kg wet	3.333		81	40-140	1	30	
2,6-Dinitrotoluene	2.65	0.333	mg/kg wet	3.333		80	40-140	5	30	
2-Chloronaphthalene	2.01	0.333	mg/kg wet	3.333		60	40-140	3	30	
2-Chlorophenol	2.02	0.333	mg/kg wet	3.333		60	30-130	7	30	
2-Methylnaphthalene	2.06	0.333	mg/kg wet	3.333		62	40-140	8	30	
2-Methylphenol	2.03	0.333	mg/kg wet	3.333		61	30-130	6	30	
2-Nitroaniline	2.50	0.333	mg/kg wet	3.333		75	40-140	0.2	30	
2-Nitrophenol	2.01	0.333	mg/kg wet	3.333		60	30-130	11	30	
3,3´-Dichlorobenzidine	2.32	0.667	mg/kg wet	3.333		70	40-140	18	30	
3+4-Methylphenol	4.60	0.667	mg/kg wet	6.667		69	30-130	3	30	
3-Nitroaniline	2.37	0.333	mg/kg wet	3.333		71	40-140	9	30	
4,6-Dinitro-2-Methylphenol	1.94	1.67	mg/kg wet	3.333		58	30-130	9	30	
4-Bromophenyl-phenylether	2.64	0.333	mg/kg wet	3.333		79	40-140	2	30	
4-Chloro-3-Methylphenol	2.31	0.333	mg/kg wet	3.333		69	30-130	3	30	
4-Chloroaniline	1.55	0.667	mg/kg wet	3.333		47	40-140	24	30	
4-Chloro-phenyl-phenyl ether	2.30	0.333	mg/kg wet	3.333		69	40-140	2	30	
4-Nitroaniline	2.97	0.333	mg/kg wet	3.333		89	40-140	4	30	
4-Nitrophenol	2.57	1.67	mg/kg wet	3.333		77	30-130	3	30	
Acenaphthene	2.13	0.333	mg/kg wet	3.333		64	40-140	5	30	
Acenaphthylene	1.92	0.333	mg/kg wet	3.333		58	40-140	6	30	
Acetophenone	2.12	0.667	mg/kg wet	3.333		63	40-140	6	30	
Aniline	1.54	0.667	mg/kg wet	3.333		46	40-140	14	30	
Anthracene	2.63	0.333	mg/kg wet	3.333		79	40-140	2	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DB20721 - 3546										
Azobenzene	2.43	0.333	mg/kg wet	3.333		73	40-140	2	30	
Benzo(a)anthracene	2.76	0.333	mg/kg wet	3.333		83	40-140	0.3	30	
Benzo(a)pyrene	2.79	0.167	mg/kg wet	3.333		84	40-140	0.5	30	
Benzo(b)fluoranthene	2.76	0.333	mg/kg wet	3.333		83	40-140	0.7	30	
Benzo(g,h,i)perylene	2.76	0.333	mg/kg wet	3.333		83	40-140	0.4	30	
Benzo(k)fluoranthene	2.94	0.333	mg/kg wet	3.333		88	40-140	0.4	30	
Benzoic Acid	2.00	1.67	mg/kg wet	3.333		60	40-140	12	30	
Benzyl Alcohol	1.79	0.333	mg/kg wet	3.333		54	40-140	13	30	
bis(2-Chloroethoxy)methane	2.07	0.333	mg/kg wet	3.333		62	40-140	11	30	
bis(2-Chloroethyl)ether	2.01	0.333	mg/kg wet	3.333		60	40-140	9	30	
bis(2-chloroisopropyl)Ether	1.93	0.333	mg/kg wet	3.333		58	40-140	8	30	
bis(2-Ethylhexyl)phthalate	2.78	0.333	mg/kg wet	3.333		83	40-140	2	30	
Butylbenzylphthalate	2.79	0.333	mg/kg wet	3.333		84	40-140	0.2	30	
Carbazole	2.66	0.333	mg/kg wet	3.333		80	40-140	0.2	30	
Chrysene	2.81	0.167	mg/kg wet	3.333		84	40-140	0.9	30	
Dibenzo(a,h)Anthracene	2.72	0.167	mg/kg wet	3.333		82	40-140	0.6	30	
Dibenzofuran	2.20	0.333	mg/kg wet	3.333		66	40-140	6	30	
Diethylphthalate	2.60	0.333	mg/kg wet	3.333		78	40-140	4	30	
Dimethylphthalate	2.46	0.333	mg/kg wet	3.333		74	40-140	4	30	
Di-n-butylphthalate	2.81	0.333	mg/kg wet	3.333		84	40-140	3	30	
Di-n-octylphthalate	3.05	0.333	mg/kg wet	3.333		91	40-140	3	30	
Fluoranthene	2.85	0.333	mg/kg wet	3.333		86	40-140	2	30	
Fluorene	2.43	0.333	mg/kg wet	3.333		73	40-140	3	30	
Hexachlorobenzene	2.67	0.167	mg/kg wet	3.333		80	40-140	2	30	
Hexachlorobutadiene	1.96	0.333	mg/kg wet	3.333		59	40-140	12	30	
Hexachlorocyclopentadiene	1.42	1.67	mg/kg wet	3.333		43	40-140	12	30	
Hexachloroethane	1.88	0.333	mg/kg wet	3.333		56	40-140	7	30	
Indeno(1,2,3-cd)Pyrene	2.91	0.333	mg/kg wet	3.333		87	40-140	0.07	30	
Isophorone	1.80	0.333	mg/kg wet	3.333		54	40-140	7	30	
Naphthalene	1.97	0.333	mg/kg wet	3.333		59	40-140	9	30	
Nitrobenzene	1.88	0.333	mg/kg wet	3.333		56	40-140	8	30	
N-Nitrosodimethylamine	1.71	0.333	mg/kg wet	3.333		51	40-140	15	30	
N-Nitroso-Di-n-Propylamine	2.15	0.333	mg/kg wet	3.333		65	40-140	5	30	
N-nitrosodiphenylamine	2.84	0.333	mg/kg wet	3.333		85	40-140	0.2	30	
Pentachlorophenol	2.78	1.67	mg/kg wet	3.333		83	30-130	4	30	
Phenanthrene	2.57	0.333	mg/kg wet	3.333		77	40-140	0.3	30	
Phenol	2.01	0.333	mg/kg wet	3.333		60	30-130	5	30	
Pyrene	2.77	0.333	mg/kg wet	3.333		83	40-140	0.6	30	
Pyridine	1.59	1.67	mg/kg wet	3.333		48	40-140	9	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.12*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*5.05*		mg/kg wet	*5.000*		*101*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.47*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.37*		mg/kg wet	*3.333*		*71*	*30-130*			
Surrogate: 2-Fluorophenol	*3.32*		mg/kg wet	*5.000*		*66*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.27*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: Phenol-d6	*3.44*		mg/kg wet	*5.000*		*69*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DB20721 - 3546										
Surrogate: p-Terphenyl-d14	*3.17*		mg/kg wet	*3.333*		*95*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
ESS Laboratory Work Order: 22B0164

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
P	Percent difference between primary and confirmation results exceeds 40% (P).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probable Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: ESS Courier

ESS Project ID: 22B0164
Date Received: 2/7/2022
Project Due Date: 2/8/2022
Days for Project: 1 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 4.5 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? Yes / (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA

13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 2-7-22 Time: 1214 By: TD

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / No
    Who was contacted: Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	255533	Yes	N/A	Yes	VOA Vial	DI Water	
1	255534	Yes	N/A	Yes	VOA Vial	DI Water	
1	255537	Yes	N/A	Yes	VOA Vial	MeOH	
1	255539	Yes	N/A	Yes	8 oz jar	NP	
1	255540	Yes	N/A	Yes	8 oz jar	NP	
2	255535	Yes	N/A	Yes	VOA Vial	DI Water	
2	255536	Yes	N/A	Yes	VOA Vial	DI Water	
2	255538	Yes	N/A	Yes	VOA Vial	MeOH	
2	255541	Yes	N/A	Yes	8 oz jar	NP	
2	255542	Yes	N/A	Yes	8 oz jar	NP	
3	255528	Yes	N/A	Yes	4 oz. Jar	NP	
4	255529	Yes	N/A	Yes	4 oz. Jar	NP	
5	255530	Yes	N/A	Yes	4 oz. Jar	NP	
6	255531	Yes	N/A	Yes	4 oz. Jar	NP	
7	255532	Yes	N/A	Yes	4 oz. Jar	NP	

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 22B0164
Date Received: 2/7/2022

2nd Review
Were all containers scanned into storage/lab? Initials
Are barcode labels on correct containers? Yes / No
Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA
Are all Hex Chrome stickers attached? Yes / No / NA
Are all QC stickers attached? Yes / No / NA
Are VOA stickers attached if bubbles noted? Yes / No / NA

Completed By: Date & Time: 2-7-22 1418
Reviewed By: Date & Time: 1234 2/7/22

CHAIN OF CUSTODY

185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

ESS Lab # 22B0164 | Page 1 of 1

Turn Time: ☐ >5 ☐ 5 ☐ 4 ☐ 3 ☐ 2 ☑ 1 ☐ Same Day

Regulatory State: Criteria:

Is this project for any of the following?: ☐ CT RCP ☐ MA MCP ☑ RGP ☐ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Report in PDF): ☐ Limit Checker ☐ State Forms ☐ EQuIS ☐ Excel ☐ Hard Copy ☐ Enviro Data ☐ CLP-Like Package ☐ Other (Specify) →

CLIENT INFORMATION

Client: GZA GeoEnvironmental
Address: 188 Valley St.
Providence, RI
Phone: 401-421-4140
Email Distribution List: SARA.HAUPT@GZA.COM

PROJECT INFORMATION

Project Name: 642 Allens Ave EPLP
Project Location: Providence, RI
Project Number: 33554.04 / T.6.2
Project Manager: SARA HAUPT
Bill to: GZA
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	VOC 8260	SVOC 8270D	TPH 8100M	T. Metals PP-13	T. As	Total Number of Bottles
1	2/1/22	1000	COMP	SOIL	SP0207224	X	X	X	X	X	
2					SP0207228	X	X	X	X	X	
3					SP0207220					X	
4					SP0207220					X	
5					SP0207228					X	
6					SP0207227					X	
7			↓	↓	SP0207226					X	

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial

Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*

Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*

Sampled by :

Chain needs to be filled out neatly and completely for on time delivery.

Laboratory Use Only
Cooler Temperature (°C): 4.5 i ce

Comments: * Please specify "Other" preservative and containers types in this space
1. RUSH TURN-AROUND: 24 HR.
2. Per Client NGrid Rates Apply - QA 2/7/22

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Disposal Option: ☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
[signature]	2/7/22	1104	[signature]				

CERTIFICATE OF ANALYSIS

Sophia Narkiewicz
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: 642 Allens Ave (03.0033554.04)
ESS Laboratory Work Order Number: 20D0445

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 3:47 pm, Apr 24, 2020

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

SAMPLE RECEIPT

The following samples were received on April 16, 2020 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on April 16, 2020 at 1307.

Lab Number	Sample Name	Matrix	Analysis
20D0445-01	Pile C S-1 1.5in Dense Grade	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
20D0445-02	Pile C S-2 1.5in Dense Grade	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
20D0445-03	Pile C As-1 1.5in Dense Grade	Soil	6010C
20D0445-04	Pile C As-2 1.5in Dense Grade	Soil	6010C
20D0445-05	Pile C As-3 1.5in Dense Grade	Soil	6010C
20D0445-06	Pile C As-4 1.5in Dense Grade	Soil	6010C
20D0445-07	Pile C As-5 1.5in Dense Grade	Soil	6010C
20D0445-08	Pile C As-6 1.5in Dense Grade	Soil	6010C

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

D0D0339-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Bromomethane (82% @ 30%)

DD01726-BS1 **Blank Spike recovery is above upper control limit (B+).**
Bromomethane (195% @ 70-130%)

DD01726-BSD1 **Blank Spike recovery is above upper control limit (B+).**
Bromomethane (199% @ 70-130%)

8270D Semi-Volatile Organic Compounds

D0D0266-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (98% @ 80-120%), 4,6-Dinitro-2-Methylphenol (114% @ 80-120%), Benzoic Acid (97% @ 80-120%), Pentachlorophenol (101% @ 80-120%)

D0D0266-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Pyridine (25% @ 20%)

D0D0266-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Hexachlorocyclopentadiene (24% @ 20%)

D0D0351-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (94% @ 80-120%), 4,6-Dinitro-2-Methylphenol (107% @ 80-120%), Benzoic Acid (94% @ 80-120%), Pentachlorophenol (97% @ 80-120%)

D0D0351-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Hexachlorocyclopentadiene (28% @ 20%)

DD01519-BS1 **Blank Spike recovery is below lower control limit (B-).**
4-Chloroaniline (39% @ 40-140%)

DD01519-BSD1 **Blank Spike recovery is below lower control limit (B-).**
4-Chloroaniline (37% @ 40-140%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-1 1.5in Dense Grade
Date Sampled: 04/16/20 09:30
Percent Solids: 96

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.27)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Arsenic	ND (2.14)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Beryllium	**0.32** (0.09)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Cadmium	ND (0.43)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Chromium	**11.1** (0.85)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Copper	**44.1** (2.14)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Lead	**8.01** (4.27)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Mercury	ND (0.033)		7471B		1	MKS	04/20/20 11:44	0.63	40	DD01729
Nickel	**9.04** (2.14)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Selenium	ND (4.27)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Silver	ND (0.43)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Thallium	ND (4.27)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728
Zinc	**33.1** (2.14)		6010C		1	KJK	04/18/20 11:46	2.43	100	DD01728

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-1 1.5in Dense Grade
Date Sampled: 04/16/20 09:30
Percent Solids: 96
Initial Volume: 6.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,1,1-Trichloroethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,1,2,2-Tetrachloroethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,1,2-Trichloroethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,1-Dichloroethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,1-Dichloroethene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,1-Dichloropropene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,2,3-Trichlorobenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,2,3-Trichloropropane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,2,4-Trichlorobenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,2,4-Trimethylbenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,2-Dibromo-3-Chloropropane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,2-Dibromoethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,2-Dichlorobenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,2-Dichloroethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,2-Dichloropropane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,3,5-Trimethylbenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,3-Dichlorobenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,3-Dichloropropane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,4-Dichlorobenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1,4-Dioxane	ND (0.0752)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
1-Chlorohexane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
2,2-Dichloropropane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
2-Butanone	ND (0.0376)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
2-Chlorotoluene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
2-Hexanone	ND (0.0376)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
4-Chlorotoluene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
4-Isopropyltoluene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
4-Methyl-2-Pentanone	ND (0.0376)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Acetone	ND (0.0376)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Benzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Bromobenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-1 1.5in Dense Grade
Date Sampled: 04/16/20 09:30
Percent Solids: 96
Initial Volume: 6.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Bromodichloromethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Bromoform	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Bromomethane	ND (0.0075)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Carbon Disulfide	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Carbon Tetrachloride	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Chlorobenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Chloroethane	ND (0.0075)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Chloroform	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Chloromethane	ND (0.0075)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
cis-1,2-Dichloroethene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
cis-1,3-Dichloropropene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Dibromochloromethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Dibromomethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Dichlorodifluoromethane	ND (0.0075)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Diethyl Ether	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Di-isopropyl ether	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Ethyl tertiary-butyl ether	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Ethylbenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Hexachlorobutadiene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Isopropylbenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Methyl tert-Butyl Ether	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Methylene Chloride	ND (0.0188)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Naphthalene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
n-Butylbenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
n-Propylbenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
sec-Butylbenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Styrene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
tert-Butylbenzene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Tertiary-amyl methyl ether	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Tetrachloroethene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Tetrahydrofuran	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-1 1.5in Dense Grade
Date Sampled: 04/16/20 09:30
Percent Solids: 96
Initial Volume: 6.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
trans-1,2-Dichloroethene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
trans-1,3-Dichloropropene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Trichloroethene	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Trichlorofluoromethane	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Vinyl Acetate	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Vinyl Chloride	ND (0.0075)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Xylene O	ND (0.0038)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Xylene P,M	ND (0.0075)		8260B Low		1	04/17/20 18:09	D0D0339	DD01726
Xylenes (Total)	ND (0.00752)		8260B Low		1	04/17/20 18:09		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*112 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*93 %*		*70-130*
Surrogate: Dibromofluoromethane	*107 %*		*70-130*
Surrogate: Toluene-d8	*102 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-1 1.5in Dense Grade
Date Sampled: 04/16/20 09:30
Percent Solids: 96
Initial Volume: 20.4
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 4/16/20 14:30

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (38.2)		8100M		1	04/17/20 19:18	D0D0305	DD01603

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*92 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-1 1.5in Dense Grade
Date Sampled: 04/16/20 09:30
Percent Solids: 96
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/16/20 14:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
1,2,4-Trichlorobenzene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
1,2-Dichlorobenzene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
1,3-Dichlorobenzene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
1,4-Dichlorobenzene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2,3,4,6-Tetrachlorophenol	ND (1.79)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2,4,5-Trichlorophenol	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2,4,6-Trichlorophenol	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2,4-Dichlorophenol	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2,4-Dimethylphenol	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2,4-Dinitrophenol	ND (1.79)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2,4-Dinitrotoluene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2,6-Dinitrotoluene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2-Chloronaphthalene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2-Chlorophenol	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2-Methylnaphthalene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2-Methylphenol	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2-Nitroaniline	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
2-Nitrophenol	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
3,3′-Dichlorobenzidine	ND (0.716)		8270D		1	04/17/20 4:40	D0D0351	DD01519
3+4-Methylphenol	ND (0.716)		8270D		1	04/17/20 4:40	D0D0351	DD01519
3-Nitroaniline	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
4,6-Dinitro-2-Methylphenol	ND (1.79)		8270D		1	04/17/20 4:40	D0D0351	DD01519
4-Bromophenyl-phenylether	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
4-Chloro-3-Methylphenol	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
4-Chloroaniline	ND (0.716)		8270D		1	04/17/20 4:40	D0D0351	DD01519
4-Chloro-phenyl-phenyl ether	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
4-Nitroaniline	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
4-Nitrophenol	ND (1.79)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Acenaphthene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Acenaphthylene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Acetophenone	ND (0.716)		8270D		1	04/17/20 4:40	D0D0351	DD01519

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-1 1.5in Dense Grade
Date Sampled: 04/16/20 09:30
Percent Solids: 96
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/16/20 14:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.716)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Anthracene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Azobenzene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Benzo(a)anthracene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Benzo(a)pyrene	ND (0.179)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Benzo(b)fluoranthene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Benzo(g,h,i)perylene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Benzo(k)fluoranthene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Benzoic Acid	ND (1.79)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Benzyl Alcohol	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
bis(2-Chloroethoxy)methane	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
bis(2-Chloroethyl)ether	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
bis(2-chloroisopropyl)Ether	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
bis(2-Ethylhexyl)phthalate	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Butylbenzylphthalate	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Carbazole	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Chrysene	ND (0.179)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Dibenzo(a,h)Anthracene	ND (0.179)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Dibenzofuran	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Diethylphthalate	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Dimethylphthalate	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Di-n-butylphthalate	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Di-n-octylphthalate	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Fluoranthene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Fluorene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Hexachlorobenzene	ND (0.179)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Hexachlorobutadiene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Hexachlorocyclopentadiene	ND (1.79)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Hexachloroethane	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Indeno(1,2,3-cd)Pyrene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Isophorone	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Naphthalene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-1 1.5in Dense Grade
Date Sampled: 04/16/20 09:30
Percent Solids: 96
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/16/20 14:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
N-Nitrosodimethylamine	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
N-Nitroso-Di-n-Propylamine	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
N-nitrosodiphenylamine	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Pentachlorophenol	ND (1.79)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Phenanthrene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Phenol	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Pyrene	ND (0.358)		8270D		1	04/17/20 4:40	D0D0351	DD01519
Pyridine	ND (1.79)		8270D		1	04/17/20 4:40	D0D0351	DD01519

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*69 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*76 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*74 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*69 %*		*30-130*
Surrogate: 2-Fluorophenol	*73 %*		*30-130*
Surrogate: Nitrobenzene-d5	*70 %*		*30-130*
Surrogate: Phenol-d6	*77 %*		*30-130*
Surrogate: p-Terphenyl-d14	*84 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-2 1.5in Dense Grade
Date Sampled: 04/16/20 09:45
Percent Solids: 96

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.13)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728
Arsenic	ND (2.07)		6010C		1	KJK	04/18/20 14:56	2.53	100	DD01728
Beryllium	**0.39** (0.09)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728
Cadmium	ND (0.41)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728
Chromium	**22.4** (0.83)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728
Copper	**12.9** (2.07)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728
Lead	**8.82** (4.13)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728
Mercury	ND (0.030)		7471B		1	MKS	04/20/20 11:59	0.69	40	DD01729
Nickel	**15.8** (2.07)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728
Selenium	ND (4.13)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728
Silver	ND (0.41)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728
Thallium	ND (4.13)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728
Zinc	**37.4** (2.07)		6010C		1	KJK	04/18/20 12:18	2.53	100	DD01728

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-2 1.5in Dense Grade
Date Sampled: 04/16/20 09:45
Percent Solids: 96
Initial Volume: 7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,1,1-Trichloroethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,1,2,2-Tetrachloroethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,1,2-Trichloroethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,1-Dichloroethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,1-Dichloroethene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,1-Dichloropropene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,2,3-Trichlorobenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,2,3-Trichloropropane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,2,4-Trichlorobenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,2,4-Trimethylbenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,2-Dibromo-3-Chloropropane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,2-Dibromoethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,2-Dichlorobenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,2-Dichloroethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,2-Dichloropropane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,3,5-Trimethylbenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,3-Dichlorobenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,3-Dichloropropane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,4-Dichlorobenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1,4-Dioxane	ND (0.0747)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
1-Chlorohexane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
2,2-Dichloropropane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
2-Butanone	ND (0.0373)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
2-Chlorotoluene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
2-Hexanone	ND (0.0373)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
4-Chlorotoluene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
4-Isopropyltoluene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
4-Methyl-2-Pentanone	ND (0.0373)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Acetone	ND (0.0373)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Benzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Bromobenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-2 1.5in Dense Grade
Date Sampled: 04/16/20 09:45
Percent Solids: 96
Initial Volume: 7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Bromodichloromethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Bromoform	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Bromomethane	ND (0.0075)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Carbon Disulfide	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Carbon Tetrachloride	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Chlorobenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Chloroethane	ND (0.0075)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Chloroform	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Chloromethane	ND (0.0075)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
cis-1,2-Dichloroethene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
cis-1,3-Dichloropropene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Dibromochloromethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Dibromomethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Dichlorodifluoromethane	ND (0.0075)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Diethyl Ether	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Di-isopropyl ether	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Ethyl tertiary-butyl ether	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Ethylbenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Hexachlorobutadiene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Isopropylbenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Methyl tert-Butyl Ether	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Methylene Chloride	ND (0.0187)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Naphthalene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
n-Butylbenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
n-Propylbenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
sec-Butylbenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Styrene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
tert-Butylbenzene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Tertiary-amyl methyl ether	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Tetrachloroethene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Tetrahydrofuran	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-2 1.5in Dense Grade
Date Sampled: 04/16/20 09:45
Percent Solids: 96
Initial Volume: 7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
trans-1,2-Dichloroethene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
trans-1,3-Dichloropropene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Trichloroethene	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Trichlorofluoromethane	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Vinyl Acetate	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Vinyl Chloride	ND (0.0075)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Xylene O	ND (0.0037)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Xylene P,M	ND (0.0075)		8260B Low		1	04/17/20 18:34	D0D0339	DD01726
Xylenes (Total)	ND (0.00747)		8260B Low		1	04/17/20 18:34		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*112 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*92 %*		*70-130*
Surrogate: Dibromofluoromethane	*106 %*		*70-130*
Surrogate: Toluene-d8	*101 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-2 1.5in Dense Grade
Date Sampled: 04/16/20 09:45
Percent Solids: 96
Initial Volume: 19.6
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 4/16/20 14:30

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (40.0)		8100M		1	04/17/20 19:51	D0D0305	DD01603

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*88 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-2 1.5in Dense Grade
Date Sampled: 04/16/20 09:45
Percent Solids: 96
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/16/20 14:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
1,2,4-Trichlorobenzene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
1,2-Dichlorobenzene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
1,3-Dichlorobenzene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
1,4-Dichlorobenzene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2,3,4,6-Tetrachlorophenol	ND (1.73)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2,4,5-Trichlorophenol	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2,4,6-Trichlorophenol	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2,4-Dichlorophenol	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2,4-Dimethylphenol	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2,4-Dinitrophenol	ND (1.73)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2,4-Dinitrotoluene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2,6-Dinitrotoluene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2-Chloronaphthalene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2-Chlorophenol	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2-Methylnaphthalene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2-Methylphenol	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2-Nitroaniline	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
2-Nitrophenol	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
3,3′-Dichlorobenzidine	ND (0.692)		8270D		1	04/17/20 5:09	D0D0351	DD01519
3+4-Methylphenol	ND (0.692)		8270D		1	04/17/20 5:09	D0D0351	DD01519
3-Nitroaniline	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
4,6-Dinitro-2-Methylphenol	ND (1.73)		8270D		1	04/17/20 5:09	D0D0351	DD01519
4-Bromophenyl-phenylether	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
4-Chloro-3-Methylphenol	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
4-Chloroaniline	ND (0.692)		8270D		1	04/17/20 5:09	D0D0351	DD01519
4-Chloro-phenyl-phenyl ether	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
4-Nitroaniline	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
4-Nitrophenol	ND (1.73)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Acenaphthene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Acenaphthylene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Acetophenone	ND (0.692)		8270D		1	04/17/20 5:09	D0D0351	DD01519

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-2 1.5in Dense Grade
Date Sampled: 04/16/20 09:45
Percent Solids: 96
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/16/20 14:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.692)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Anthracene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Azobenzene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Benzo(a)anthracene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Benzo(a)pyrene	ND (0.173)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Benzo(b)fluoranthene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Benzo(g,h,i)perylene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Benzo(k)fluoranthene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Benzoic Acid	ND (1.73)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Benzyl Alcohol	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
bis(2-Chloroethoxy)methane	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
bis(2-Chloroethyl)ether	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
bis(2-chloroisopropyl)Ether	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
bis(2-Ethylhexyl)phthalate	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Butylbenzylphthalate	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Carbazole	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Chrysene	ND (0.173)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Dibenzo(a,h)Anthracene	ND (0.173)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Dibenzofuran	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Diethylphthalate	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Dimethylphthalate	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Di-n-butylphthalate	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Di-n-octylphthalate	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Fluoranthene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Fluorene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Hexachlorobenzene	ND (0.173)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Hexachlorobutadiene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Hexachlorocyclopentadiene	ND (1.73)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Hexachloroethane	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Indeno(1,2,3-cd)Pyrene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Isophorone	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Naphthalene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C S-2 1.5in Dense Grade
Date Sampled: 04/16/20 09:45
Percent Solids: 96
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/16/20 14:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
N-Nitrosodimethylamine	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
N-Nitroso-Di-n-Propylamine	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
N-nitrosodiphenylamine	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Pentachlorophenol	ND (1.73)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Phenanthrene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Phenol	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Pyrene	ND (0.346)		8270D		1	04/17/20 5:09	D0D0351	DD01519
Pyridine	ND (1.73)		8270D		1	04/17/20 5:09	D0D0351	DD01519

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*61 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*69 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*66 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*65 %*		*30-130*
Surrogate: 2-Fluorophenol	*64 %*		*30-130*
Surrogate: Nitrobenzene-d5	*64 %*		*30-130*
Surrogate: Phenol-d6	*70 %*		*30-130*
Surrogate: p-Terphenyl-d14	*84 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C As-1 1.5in Dense Grade
Date Sampled: 04/16/20 09:15
Percent Solids: 97

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.24** (2.08)		6010C		1	KJK	04/18/20 12:37	2.48	100	DD01728

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C As-2 1.5in Dense Grade
Date Sampled: 04/16/20 09:20
Percent Solids: 96

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.89)		6010C		1	KJK	04/18/20 12:41	2.76	100	DD01728

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C As-3 1.5in Dense Grade
Date Sampled: 04/16/20 09:25
Percent Solids: 96

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-05
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.98)		6010C		1	BJV	04/21/20 2:39	2.63	100	DD01728

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C As-4 1.5in Dense Grade
Date Sampled: 04/16/20 10:05
Percent Solids: 97

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-06
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.16)		6010C		1	KJK	04/18/20 13:04	2.39	100	DD01728

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C As-5 1.5in Dense Grade
Date Sampled: 04/16/20 10:10
Percent Solids: 97

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-07
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.04)		6010C		1	KJK	04/18/20 13:08	2.53	100	DD01728

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: Pile C As-6 1.5in Dense Grade
Date Sampled: 04/16/20 10:15
Percent Solids: 96

ESS Laboratory Work Order: 20D0445
ESS Laboratory Sample ID: 20D0445-08
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.53** (2.23)		6010C		1	KJK	04/18/20 13:12	2.34	100	DD01728

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Total Metals

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch DD01728 - 3050B										
Blank										
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	5.00	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	44.1	12.8	mg/kg wet	51.30		86	80-120			
Arsenic	195	6.41	mg/kg wet	202.0		97	80-120			
Beryllium	49.8	0.28	mg/kg wet	52.10		96	80-120			
Cadmium	140	1.28	mg/kg wet	149.0		94	80-120			
Chromium	182	2.56	mg/kg wet	182.0		100	80-120			
Copper	237	6.41	mg/kg wet	225.0		105	80-120			
Lead	332	12.8	mg/kg wet	333.0		100	80-120			
Nickel	176	6.41	mg/kg wet	167.0		105	80-120			
Selenium	163	12.8	mg/kg wet	169.0		96	80-120			
Silver	48.7	1.28	mg/kg wet	48.90		100	80-120			
Thallium	87.0	12.8	mg/kg wet	82.30		106	80-120			
Zinc	452	6.41	mg/kg wet	459.0		99	80-120			
LCS Dup										
Antimony	53.3	15.2	mg/kg wet	51.30		104	80-120	19	20	
Arsenic	194	7.58	mg/kg wet	202.0		96	80-120	0.8	20	
Beryllium	50.2	0.33	mg/kg wet	52.10		96	80-120	0.7	20	
Cadmium	136	1.52	mg/kg wet	149.0		91	80-120	3	20	
Chromium	176	3.03	mg/kg wet	182.0		96	80-120	4	20	
Copper	234	7.58	mg/kg wet	225.0		104	80-120	1	20	
Lead	334	15.2	mg/kg wet	333.0		100	80-120	0.6	20	
Nickel	172	7.58	mg/kg wet	167.0		103	80-120	3	20	
Selenium	164	15.2	mg/kg wet	169.0		97	80-120	0.9	20	
Silver	47.0	1.52	mg/kg wet	48.90		96	80-120	3	20	
Thallium	89.2	15.2	mg/kg wet	82.30		108	80-120	3	20	
Zinc	441	7.58	mg/kg wet	459.0		96	80-120	3	20	
Batch DD01729 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	9.09	0.542	mg/kg wet	7.760		117	80-120			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DD01729 - 7471B										
LCS Dup										
Mercury	9.33	0.566	mg/kg wet	7.760		120	80-120	3	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD01726 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD01726 - 5035										
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0527*		mg/kg wet	*0.05000*		*105*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0461*		mg/kg wet	*0.05000*		*92*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0503*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0513*		mg/kg wet	*0.05000*		*103*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0530	0.0050	mg/kg wet	0.05000		106	70-130			
1,1,1-Trichloroethane	0.0546	0.0050	mg/kg wet	0.05000		109	70-130			
1,1,2,2-Tetrachloroethane	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
1,1,2-Trichloroethane	0.0504	0.0050	mg/kg wet	0.05000		101	70-130			
1,1-Dichloroethane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
1,1-Dichloroethene	0.0576	0.0050	mg/kg wet	0.05000		115	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD01726 - 5035										
1,1-Dichloropropene	0.0580	0.0050	mg/kg wet	0.05000		116	70-130			
1,2,3-Trichlorobenzene	0.0586	0.0050	mg/kg wet	0.05000		117	70-130			
1,2,3-Trichloropropane	0.0504	0.0050	mg/kg wet	0.05000		101	70-130			
1,2,4-Trichlorobenzene	0.0536	0.0050	mg/kg wet	0.05000		107	70-130			
1,2,4-Trimethylbenzene	0.0557	0.0050	mg/kg wet	0.05000		111	70-130			
1,2-Dibromo-3-Chloropropane	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			
1,2-Dibromoethane	0.0534	0.0050	mg/kg wet	0.05000		107	70-130			
1,2-Dichlorobenzene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130			
1,2-Dichloroethane	0.0522	0.0050	mg/kg wet	0.05000		104	70-130			
1,2-Dichloropropane	0.0524	0.0050	mg/kg wet	0.05000		105	70-130			
1,3,5-Trimethylbenzene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130			
1,3-Dichlorobenzene	0.0550	0.0050	mg/kg wet	0.05000		110	70-130			
1,3-Dichloropropane	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
1,4-Dichlorobenzene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130			
1,4-Dioxane	1.12	0.100	mg/kg wet	1.000		112	70-130			
1-Chlorohexane	0.0573	0.0050	mg/kg wet	0.05000		115	70-130			
2,2-Dichloropropane	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
2-Butanone	0.279	0.0500	mg/kg wet	0.2500		111	70-130			
2-Chlorotoluene	0.0536	0.0050	mg/kg wet	0.05000		107	70-130			
2-Hexanone	0.301	0.0500	mg/kg wet	0.2500		120	70-130			
4-Chlorotoluene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
4-Isopropyltoluene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130			
4-Methyl-2-Pentanone	0.269	0.0500	mg/kg wet	0.2500		107	70-130			
Acetone	0.287	0.0500	mg/kg wet	0.2500		115	70-130			
Benzene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
Bromobenzene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
Bromochloromethane	0.0550	0.0050	mg/kg wet	0.05000		110	70-130			
Bromodichloromethane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
Bromoform	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
Bromomethane	0.0975	0.0100	mg/kg wet	0.05000		195	70-130			B+
Carbon Disulfide	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			
Carbon Tetrachloride	0.0557	0.0050	mg/kg wet	0.05000		111	70-130			
Chlorobenzene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130			
Chloroethane	0.0530	0.0100	mg/kg wet	0.05000		106	70-130			
Chloroform	0.0528	0.0050	mg/kg wet	0.05000		106	70-130			
Chloromethane	0.0418	0.0100	mg/kg wet	0.05000		84	70-130			
cis-1,2-Dichloroethene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
cis-1,3-Dichloropropene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130			
Dibromochloromethane	0.0530	0.0050	mg/kg wet	0.05000		106	70-130			
Dibromomethane	0.0522	0.0050	mg/kg wet	0.05000		104	70-130			
Dichlorodifluoromethane	0.0520	0.0100	mg/kg wet	0.05000		104	70-130			
Diethyl Ether	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
Di-isopropyl ether	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
Ethyl tertiary-butyl ether	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
Ethylbenzene	0.0559	0.0050	mg/kg wet	0.05000		112	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD01726 - 5035										
Hexachlorobutadiene	0.0604	0.0050	mg/kg wet	0.05000		121	70-130			
Isopropylbenzene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
Methyl tert-Butyl Ether	0.0488	0.0050	mg/kg wet	0.05000		98	70-130			
Methylene Chloride	0.0504	0.0250	mg/kg wet	0.05000		101	70-130			
Naphthalene	0.0616	0.0050	mg/kg wet	0.05000		123	70-130			
n-Butylbenzene	0.0597	0.0050	mg/kg wet	0.05000		119	70-130			
n-Propylbenzene	0.0557	0.0050	mg/kg wet	0.05000		111	70-130			
sec-Butylbenzene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130			
Styrene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
tert-Butylbenzene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
Tertiary-amyl methyl ether	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
Tetrachloroethene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
Tetrahydrofuran	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
Toluene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130			
trans-1,2-Dichloroethene	0.0556	0.0050	mg/kg wet	0.05000		111	70-130			
trans-1,3-Dichloropropene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
Trichloroethene	0.0557	0.0050	mg/kg wet	0.05000		111	70-130			
Trichlorofluoromethane	0.0601	0.0050	mg/kg wet	0.05000		120	70-130			
Vinyl Acetate	0.0624	0.0050	mg/kg wet	0.05000		125	70-130			
Vinyl Chloride	0.0554	0.0100	mg/kg wet	0.05000		111	70-130			
Xylene O	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
Xylene P,M	0.110	0.0100	mg/kg wet	0.1000		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0507*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0499*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0503*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0503*		mg/kg wet	*0.05000*		*101*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	3	25	
1,1,1-Trichloroethane	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	6	25	
1,1,2,2-Tetrachloroethane	0.0494	0.0050	mg/kg wet	0.05000		99	70-130	3	25	
1,1,2-Trichloroethane	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
1,1-Dichloroethane	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
1,1-Dichloroethene	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	7	25	
1,1-Dichloropropene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	6	25	
1,2,3-Trichlorobenzene	0.0615	0.0050	mg/kg wet	0.05000		123	70-130	5	25	
1,2,3-Trichloropropane	0.0476	0.0050	mg/kg wet	0.05000		95	70-130	6	25	
1,2,4-Trichlorobenzene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	3	25	
1,2,4-Trimethylbenzene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	5	25	
1,2-Dibromo-3-Chloropropane	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	6	25	
1,2-Dibromoethane	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	0.2	25	
1,2-Dichlorobenzene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	1	25	
1,2-Dichloroethane	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	2	25	
1,2-Dichloropropane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	0.4	25	
1,3,5-Trimethylbenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	6	25	
1,3-Dichlorobenzene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	3	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD01726 - 5035										
1,3-Dichloropropane	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	0.07	25	
1,4-Dichlorobenzene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130	2	25	
1,4-Dioxane	0.986	0.100	mg/kg wet	1.000		99	70-130	13	20	
1-Chlorohexane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	9	25	
2,2-Dichloropropane	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	6	25	
2-Butanone	0.259	0.0500	mg/kg wet	0.2500		104	70-130	7	25	
2-Chlorotoluene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	6	25	
2-Hexanone	0.272	0.0500	mg/kg wet	0.2500		109	70-130	10	25	
4-Chlorotoluene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	5	25	
4-Isopropyltoluene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	7	25	
4-Methyl-2-Pentanone	0.256	0.0500	mg/kg wet	0.2500		102	70-130	5	25	
Acetone	0.237	0.0500	mg/kg wet	0.2500		95	70-130	19	25	
Benzene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	1	25	
Bromobenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	2	25	
Bromochloromethane	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	2	25	
Bromodichloromethane	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	2	25	
Bromoform	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	1	25	
Bromomethane	0.0997	0.0100	mg/kg wet	0.05000		199	70-130	2	25	B+
Carbon Disulfide	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	7	25	
Carbon Tetrachloride	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	8	25	
Chlorobenzene	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	4	25	
Chloroethane	0.0507	0.0100	mg/kg wet	0.05000		101	70-130	5	25	
Chloroform	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	1	25	
Chloromethane	0.0371	0.0100	mg/kg wet	0.05000		74	70-130	12	25	
cis-1,2-Dichloroethene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	0.9	25	
cis-1,3-Dichloropropene	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	1	25	
Dibromochloromethane	0.0529	0.0050	mg/kg wet	0.05000		106	70-130	0.1	25	
Dibromomethane	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	3	25	
Dichlorodifluoromethane	0.0476	0.0100	mg/kg wet	0.05000		95	70-130	9	25	
Diethyl Ether	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	4	25	
Di-isopropyl ether	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	2	25	
Ethyl tertiary-butyl ether	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	0.5	25	
Ethylbenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	6	25	
Hexachlorobutadiene	0.0571	0.0050	mg/kg wet	0.05000		114	70-130	6	25	
Isopropylbenzene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130	8	25	
Methyl tert-Butyl Ether	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	3	25	
Methylene Chloride	0.0500	0.0250	mg/kg wet	0.05000		100	70-130	0.8	25	
Naphthalene	0.0632	0.0050	mg/kg wet	0.05000		126	70-130	3	25	
n-Butylbenzene	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	7	25	
n-Propylbenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	9	25	
sec-Butylbenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	9	25	
Styrene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	2	25	
tert-Butylbenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	8	25	
Tertiary-amyl methyl ether	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	2	25	
Tetrachloroethene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	6	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD01726 - 5035										
Tetrahydrofuran	0.0469	0.0050	mg/kg wet	0.05000		94	70-130	9	25	
Toluene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	4	25	
trans-1,2-Dichloroethene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
trans-1,3-Dichloropropene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	2	25	
Trichloroethene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	3	25	
Trichlorofluoromethane	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	12	25	
Vinyl Acetate	0.0635	0.0050	mg/kg wet	0.05000		127	70-130	2	25	
Vinyl Chloride	0.0502	0.0100	mg/kg wet	0.05000		100	70-130	10	25	
Xylene O	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	5	25	
Xylene P,M	0.105	0.0100	mg/kg wet	0.1000		105	70-130	5	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0510*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0500*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0508*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.0494*		mg/kg wet	*0.05000*		*99*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch DD01603 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.47*		mg/kg wet	*5.000*		*89*	*40-140*			
LCS										
Decane (C10)	2.0	0.2	mg/kg wet	2.500		80	40-140			
Docosane (C22)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Dodecane (C12)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Eicosane (C20)	2.4	0.2	mg/kg wet	2.500		95	40-140			
Hexacosane (C26)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		71	30-140			
Octacosane (C28)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Octadecane (C18)	2.3	0.2	mg/kg wet	2.500		93	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DD01603 - 3546										
Tetracosane (C24)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Tetradecane (C14)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Total Petroleum Hydrocarbons	32.1	37.5	mg/kg wet	35.00		92	40-140			
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Surrogate: O-Terphenyl	*4.79*		mg/kg wet	*5.000*		*96*	*40-140*			
LCS Dup										
Decane (C10)	2.1	0.2	mg/kg wet	2.500		82	40-140	3	25	
Docosane (C22)	2.4	0.2	mg/kg wet	2.500		95	40-140	0.9	25	
Dodecane (C12)	2.2	0.2	mg/kg wet	2.500		88	40-140	2	25	
Eicosane (C20)	2.4	0.2	mg/kg wet	2.500		94	40-140	1	25	
Hexacosane (C26)	2.4	0.2	mg/kg wet	2.500		95	40-140	1	25	
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		92	40-140	0.04	25	
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		95	40-140	0.9	25	
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		73	30-140	3	25	
Octacosane (C28)	2.4	0.2	mg/kg wet	2.500		95	40-140	1	25	
Octadecane (C18)	2.3	0.2	mg/kg wet	2.500		93	40-140	0.8	25	
Tetracosane (C24)	2.4	0.2	mg/kg wet	2.500		95	40-140	1	25	
Tetradecane (C14)	2.2	0.2	mg/kg wet	2.500		90	40-140	0.8	25	
Total Petroleum Hydrocarbons	31.9	37.5	mg/kg wet	35.00		91	40-140	0.6	25	
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		91	40-140	1	25	
Surrogate: O-Terphenyl	*4.70*		mg/kg wet	*5.000*		*94*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DD01519 - 3546										
Blank										
1,1-Biphenyl	ND	0.100	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.110	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							

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Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD01519 - 3546										
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.167	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.167	mg/kg wet							
Benzo(a)pyrene	ND	0.083	mg/kg wet							
Benzo(b)fluoranthene	ND	0.083	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.083	mg/kg wet							
Benzo(k)fluoranthene	ND	0.100	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.100	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.067	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.067	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.067	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.110	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD01519 - 3546										
Naphthalene	ND	0.110	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	0.333	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.18*		mg/kg wet	*3.333*		*65*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.68*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.37*		mg/kg wet	*5.000*		*67*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.25*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: 2-Fluorophenol	*3.41*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.26*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: Phenol-d6	*3.47*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.02*		mg/kg wet	*3.333*		*91*	*30-130*			
LCS										
1,1-Biphenyl	2.15	0.333	mg/kg wet	3.333		65	40-140			
1,2,4-Trichlorobenzene	2.10	0.333	mg/kg wet	3.333		63	40-140			
1,2-Dichlorobenzene	2.02	0.333	mg/kg wet	3.333		61	40-140			
1,3-Dichlorobenzene	1.96	0.333	mg/kg wet	3.333		59	40-140			
1,4-Dichlorobenzene	2.00	0.333	mg/kg wet	3.333		60	40-140			
2,3,4,6-Tetrachlorophenol	2.58	1.67	mg/kg wet	3.333		77	30-130			
2,4,5-Trichlorophenol	2.66	0.333	mg/kg wet	3.333		80	30-130			
2,4,6-Trichlorophenol	2.48	0.333	mg/kg wet	3.333		74	30-130			
2,4-Dichlorophenol	2.50	0.333	mg/kg wet	3.333		75	30-130			
2,4-Dimethylphenol	2.53	0.333	mg/kg wet	3.333		76	30-130			
2,4-Dinitrophenol	2.75	1.67	mg/kg wet	3.333		83	30-130			
2,4-Dinitrotoluene	3.00	0.333	mg/kg wet	3.333		90	40-140			
2,6-Dinitrotoluene	2.80	0.333	mg/kg wet	3.333		84	40-140			
2-Chloronaphthalene	2.29	0.333	mg/kg wet	3.333		69	40-140			
2-Chlorophenol	2.24	0.333	mg/kg wet	3.333		67	30-130			
2-Methylnaphthalene	2.28	0.333	mg/kg wet	3.333		68	40-140			
2-Methylphenol	2.36	0.333	mg/kg wet	3.333		71	30-130			
2-Nitroaniline	2.92	0.333	mg/kg wet	3.333		87	40-140			
2-Nitrophenol	2.27	0.333	mg/kg wet	3.333		68	30-130			
3,3´-Dichlorobenzidine	2.47	0.667	mg/kg wet	3.333		74	40-140			
3+4-Methylphenol	5.00	0.667	mg/kg wet	6.667		75	30-130			
3-Nitroaniline	2.67	0.333	mg/kg wet	3.333		80	40-140			
4,6-Dinitro-2-Methylphenol	3.12	1.67	mg/kg wet	3.333		94	30-130			
4-Bromophenyl-phenylether	2.72	0.333	mg/kg wet	3.333		82	40-140			
4-Chloro-3-Methylphenol	2.70	0.333	mg/kg wet	3.333		81	30-130			
4-Chloroaniline	1.28	0.667	mg/kg wet	3.333		39	40-140			B-

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD01519 - 3546										
4-Chloro-phenyl-phenyl ether	2.59	0.333	mg/kg wet	3.333		78	40-140			
4-Nitroaniline	2.92	0.333	mg/kg wet	3.333		88	40-140			
4-Nitrophenol	2.83	1.67	mg/kg wet	3.333		85	30-130			
Acenaphthene	2.36	0.333	mg/kg wet	3.333		71	40-140			
Acenaphthylene	2.17	0.333	mg/kg wet	3.333		65	40-140			
Acetophenone	2.19	0.667	mg/kg wet	3.333		66	40-140			
Aniline	1.70	0.667	mg/kg wet	3.333		51	40-140			
Anthracene	2.74	0.333	mg/kg wet	3.333		82	40-140			
Azobenzene	2.54	0.333	mg/kg wet	3.333		76	40-140			
Benzo(a)anthracene	2.95	0.333	mg/kg wet	3.333		89	40-140			
Benzo(a)pyrene	3.09	0.167	mg/kg wet	3.333		93	40-140			
Benzo(b)fluoranthene	3.19	0.333	mg/kg wet	3.333		96	40-140			
Benzo(g,h,i)perylene	3.08	0.333	mg/kg wet	3.333		92	40-140			
Benzo(k)fluoranthene	2.99	0.333	mg/kg wet	3.333		90	40-140			
Benzoic Acid	2.18	1.67	mg/kg wet	3.333		65	40-140			
Benzyl Alcohol	1.98	0.333	mg/kg wet	3.333		59	40-140			
bis(2-Chloroethoxy)methane	2.28	0.333	mg/kg wet	3.333		68	40-140			
bis(2-Chloroethyl)ether	2.15	0.333	mg/kg wet	3.333		64	40-140			
bis(2-chloroisopropyl)Ether	2.08	0.333	mg/kg wet	3.333		63	40-140			
bis(2-Ethylhexyl)phthalate	2.85	0.333	mg/kg wet	3.333		86	40-140			
Butylbenzylphthalate	3.06	0.333	mg/kg wet	3.333		92	40-140			
Carbazole	2.99	0.333	mg/kg wet	3.333		90	40-140			
Chrysene	2.92	0.167	mg/kg wet	3.333		88	40-140			
Dibenzo(a,h)Anthracene	3.12	0.167	mg/kg wet	3.333		94	40-140			
Dibenzofuran	2.46	0.333	mg/kg wet	3.333		74	40-140			
Diethylphthalate	2.84	0.333	mg/kg wet	3.333		85	40-140			
Dimethylphthalate	2.65	0.333	mg/kg wet	3.333		79	40-140			
Di-n-butylphthalate	3.03	0.333	mg/kg wet	3.333		91	40-140			
Di-n-octylphthalate	2.81	0.333	mg/kg wet	3.333		84	40-140			
Fluoranthene	2.93	0.333	mg/kg wet	3.333		88	40-140			
Fluorene	2.66	0.333	mg/kg wet	3.333		80	40-140			
Hexachlorobenzene	2.83	0.167	mg/kg wet	3.333		85	40-140			
Hexachlorobutadiene	2.08	0.333	mg/kg wet	3.333		62	40-140			
Hexachlorocyclopentadiene	1.32	1.67	mg/kg wet	3.333		40	40-140			
Hexachloroethane	1.97	0.333	mg/kg wet	3.333		59	40-140			
Indeno(1,2,3-cd)Pyrene	3.08	0.333	mg/kg wet	3.333		92	40-140			
Isophorone	1.96	0.333	mg/kg wet	3.333		59	40-140			
Naphthalene	2.18	0.333	mg/kg wet	3.333		65	40-140			
Nitrobenzene	2.20	0.333	mg/kg wet	3.333		66	40-140			
N-Nitrosodimethylamine	1.77	0.333	mg/kg wet	3.333		53	40-140			
N-Nitroso-Di-n-Propylamine	2.33	0.333	mg/kg wet	3.333		70	40-140			
N-nitrosodiphenylamine	2.73	0.333	mg/kg wet	3.333		82	40-140			
Pentachlorophenol	2.73	1.67	mg/kg wet	3.333		82	30-130			
Phenanthrene	2.76	0.333	mg/kg wet	3.333		83	40-140			
Phenol	2.50	0.333	mg/kg wet	3.333		75	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD01519 - 3546										
Pyrene	2.92	0.333	mg/kg wet	3.333		88	40-140			
Pyridine	1.72	1.67	mg/kg wet	3.333		52	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.07*		mg/kg wet	*3.333*		*62*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.37*		mg/kg wet	*5.000*		*87*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.48*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.47*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*3.40*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.32*		mg/kg wet	*3.333*		*69*	*30-130*			
Surrogate: Phenol-d6	*3.72*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.10*		mg/kg wet	*3.333*		*93*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.16	0.333	mg/kg wet	3.333		65	40-140	0.5	30	
1,2,4-Trichlorobenzene	2.25	0.333	mg/kg wet	3.333		68	40-140	7	30	
1,2-Dichlorobenzene	2.26	0.333	mg/kg wet	3.333		68	40-140	11	30	
1,3-Dichlorobenzene	2.19	0.333	mg/kg wet	3.333		66	40-140	11	30	
1,4-Dichlorobenzene	2.21	0.333	mg/kg wet	3.333		66	40-140	10	30	
2,3,4,6-Tetrachlorophenol	2.84	1.67	mg/kg wet	3.333		85	30-130	10	30	
2,4,5-Trichlorophenol	2.79	0.333	mg/kg wet	3.333		84	30-130	5	30	
2,4,6-Trichlorophenol	2.58	0.333	mg/kg wet	3.333		77	30-130	4	30	
2,4-Dichlorophenol	2.70	0.333	mg/kg wet	3.333		81	30-130	7	30	
2,4-Dimethylphenol	2.68	0.333	mg/kg wet	3.333		80	30-130	6	30	
2,4-Dinitrophenol	3.15	1.67	mg/kg wet	3.333		95	30-130	14	30	
2,4-Dinitrotoluene	3.30	0.333	mg/kg wet	3.333		99	40-140	10	30	
2,6-Dinitrotoluene	2.98	0.333	mg/kg wet	3.333		90	40-140	6	30	
2-Chloronaphthalene	2.34	0.333	mg/kg wet	3.333		70	40-140	2	30	
2-Chlorophenol	2.50	0.333	mg/kg wet	3.333		75	30-130	11	30	
2-Methylnaphthalene	2.48	0.333	mg/kg wet	3.333		74	40-140	8	30	
2-Methylphenol	2.66	0.333	mg/kg wet	3.333		80	30-130	12	30	
2-Nitroaniline	3.11	0.333	mg/kg wet	3.333		93	40-140	6	30	
2-Nitrophenol	2.44	0.333	mg/kg wet	3.333		73	30-130	7	30	
3,3´-Dichlorobenzidine	2.38	0.667	mg/kg wet	3.333		72	40-140	3	30	
3+4-Methylphenol	5.61	0.667	mg/kg wet	6.667		84	30-130	11	30	
3-Nitroaniline	2.81	0.333	mg/kg wet	3.333		84	40-140	5	30	
4,6-Dinitro-2-Methylphenol	3.30	1.67	mg/kg wet	3.333		99	30-130	6	30	
4-Bromophenyl-phenylether	2.72	0.333	mg/kg wet	3.333		82	40-140	0.09	30	
4-Chloro-3-Methylphenol	3.06	0.333	mg/kg wet	3.333		92	30-130	12	30	
4-Chloroaniline	1.22	0.667	mg/kg wet	3.333		37	40-140	5	30	B-
4-Chloro-phenyl-phenyl ether	2.75	0.333	mg/kg wet	3.333		83	40-140	6	30	
4-Nitroaniline	3.03	0.333	mg/kg wet	3.333		91	40-140	4	30	
4-Nitrophenol	3.19	1.67	mg/kg wet	3.333		96	30-130	12	30	
Acenaphthene	2.47	0.333	mg/kg wet	3.333		74	40-140	4	30	
Acenaphthylene	2.26	0.333	mg/kg wet	3.333		68	40-140	4	30	
Acetophenone	2.43	0.667	mg/kg wet	3.333		73	40-140	11	30	
Aniline	1.82	0.667	mg/kg wet	3.333		55	40-140	7	30	
Anthracene	2.84	0.333	mg/kg wet	3.333		85	40-140	4	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD01519 - 3546										
Azobenzene	2.53	0.333	mg/kg wet	3.333		76	40-140	0.6	30	
Benzo(a)anthracene	2.98	0.333	mg/kg wet	3.333		89	40-140	0.9	30	
Benzo(a)pyrene	3.15	0.167	mg/kg wet	3.333		95	40-140	2	30	
Benzo(b)fluoranthene	3.11	0.333	mg/kg wet	3.333		93	40-140	2	30	
Benzo(g,h,i)perylene	3.12	0.333	mg/kg wet	3.333		94	40-140	1	30	
Benzo(k)fluoranthene	3.15	0.333	mg/kg wet	3.333		95	40-140	5	30	
Benzoic Acid	2.55	1.67	mg/kg wet	3.333		76	40-140	15	30	
Benzyl Alcohol	2.22	0.333	mg/kg wet	3.333		67	40-140	11	30	
bis(2-Chloroethoxy)methane	2.42	0.333	mg/kg wet	3.333		73	40-140	6	30	
bis(2-Chloroethyl)ether	2.39	0.333	mg/kg wet	3.333		72	40-140	11	30	
bis(2-chloroisopropyl)Ether	2.27	0.333	mg/kg wet	3.333		68	40-140	9	30	
bis(2-Ethylhexyl)phthalate	2.88	0.333	mg/kg wet	3.333		86	40-140	1	30	
Butylbenzylphthalate	3.08	0.333	mg/kg wet	3.333		92	40-140	0.7	30	
Carbazole	3.14	0.333	mg/kg wet	3.333		94	40-140	5	30	
Chrysene	2.96	0.167	mg/kg wet	3.333		89	40-140	2	30	
Dibenzo(a,h)Anthracene	3.17	0.167	mg/kg wet	3.333		95	40-140	2	30	
Dibenzofuran	2.60	0.333	mg/kg wet	3.333		78	40-140	6	30	
Diethylphthalate	3.04	0.333	mg/kg wet	3.333		91	40-140	7	30	
Dimethylphthalate	2.80	0.333	mg/kg wet	3.333		84	40-140	5	30	
Di-n-butylphthalate	3.14	0.333	mg/kg wet	3.333		94	40-140	4	30	
Di-n-octylphthalate	2.75	0.333	mg/kg wet	3.333		83	40-140	2	30	
Fluoranthene	3.10	0.333	mg/kg wet	3.333		93	40-140	6	30	
Fluorene	2.86	0.333	mg/kg wet	3.333		86	40-140	7	30	
Hexachlorobenzene	2.86	0.167	mg/kg wet	3.333		86	40-140	0.8	30	
Hexachlorobutadiene	2.21	0.333	mg/kg wet	3.333		66	40-140	6	30	
Hexachlorocyclopentadiene	1.32	1.67	mg/kg wet	3.333		40	40-140	0.4	30	
Hexachloroethane	2.19	0.333	mg/kg wet	3.333		66	40-140	10	30	
Indeno(1,2,3-cd)Pyrene	3.15	0.333	mg/kg wet	3.333		94	40-140	2	30	
Isophorone	2.09	0.333	mg/kg wet	3.333		63	40-140	6	30	
Naphthalene	2.33	0.333	mg/kg wet	3.333		70	40-140	7	30	
Nitrobenzene	2.35	0.333	mg/kg wet	3.333		71	40-140	7	30	
N-Nitrosodimethylamine	1.95	0.333	mg/kg wet	3.333		59	40-140	10	30	
N-Nitroso-Di-n-Propylamine	2.58	0.333	mg/kg wet	3.333		78	40-140	10	30	
N-nitrosodiphenylamine	2.73	0.333	mg/kg wet	3.333		82	40-140	0.02	30	
Pentachlorophenol	2.92	1.67	mg/kg wet	3.333		87	30-130	7	30	
Phenanthrene	2.84	0.333	mg/kg wet	3.333		85	40-140	3	30	
Phenol	2.83	0.333	mg/kg wet	3.333		85	30-130	12	30	
Pyrene	2.89	0.333	mg/kg wet	3.333		87	40-140	0.8	30	
Pyridine	1.86	1.67	mg/kg wet	3.333		56	40-140	8	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.28*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.31*		mg/kg wet	*5.000*		*86*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.78*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.39*		mg/kg wet	*3.333*		*72*	*30-130*			
Surrogate: 2-Fluorophenol	*3.72*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.43*		mg/kg wet	*3.333*		*73*	*30-130*			
Surrogate: Phenol-d6	*4.02*		mg/kg wet	*5.000*		*80*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD01519 - 3546										
Surrogate: p-Terphenyl-d14	*2.98*		mg/kg wet	*3.333*		*89*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20D0445

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: Client

ESS Project ID: 20D0445
Date Received: 4/16/2020
Project Due Date: 4/23/2020
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 4.3 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No (NA)
10. Were any analyses received outside of hold time? Yes (No)

11. Any Subcontracting needed? Yes (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA
13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 4/16/20 Time: 1307 By: MR

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes (No)
    a. Was there a need to contact the client? Yes (No)
    Who was contacted: Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	34750	Yes	N/A	Yes	VOA Vial	DI Water	
1	34751	Yes	N/A	Yes	VOA Vial	DI Water	
1	34754	Yes	N/A	Yes	VOA Vial	MeOH	
1	34758	Yes	N/A	Yes	8 oz jar	NP	
2	34752	Yes	N/A	Yes	VOA Vial	DI Water	
2	34753	Yes	N/A	Yes	VOA Vial	DI Water	
2	34756	Yes	N/A	Yes	VOA Vial	MeOH	
2	34759	Yes	N/A	Yes	8 oz jar	NP	
3	34760	Yes	N/A	Yes	4 oz. Jar	NP	
4	34761	Yes	N/A	Yes	4 oz. Jar	NP	
5	34762	Yes	N/A	Yes	4 oz. Jar	NP	
6	34763	Yes	N/A	Yes	4 oz. Jar	NP	
7	34764	Yes	N/A	Yes	4 oz. Jar	NP	
8	34765	Yes	N/A	Yes	4 oz. Jar	NP	

2nd Review
Were all containers scanned into storage/lab? Initials AG

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 20D0445
Date Received: 4/16/2020

Are barcode labels on correct containers?	(Yes) / No
Are all Flashpoint stickers attached/container ID # circled?	Yes / No / NA
Are all Hex Chrome stickers attached?	Yes / No / NA
Are all QC stickers attached?	Yes / No / NA
Are VOA stickers attached if bubbles noted?	Yes / No / NA

Completed By: Amber Garcia Date & Time: 4/16/20 13:03

Reviewed By: [signature] Date & Time: 4/16/20 1307

Delivered By: [signature] 4/16/20 1307

CHAIN OF CUSTODY

ESS Laboratory
Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

ESS Lab # 20D0445

Turn Time: 5 Days
Regulatory State: RI
Is this project for any of the following?: ○ CT RCP ○ MA MCP ○ RGP
Reporting Limits
Electonic Deliverables: ☐ Data Checker ☒ Excel ☒ Other (Please Specify →) PDF

Company Name: GZA GeoEnvironmental, Inc.
Contact Person: Sophia Narkiewicz
Project #: 33654.04
Project Name: 642 Allens Ave
Address: 188 Valley Street, Suite 300
City: Providence
State: RI
Zip Code: 02909
PO #: —
Telephone Number: 401-421-2737
FAX Number:
Email Address: Sophia.narkiewicz@gza.com

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis: VOC via 8260B	SVOC* via 8270D	PP13 Metals**	TPH via 8100M	Total Arsenic
1	4/16/20	0930	Composite	Soil	Pile C S-1 1.5" dense grade	X	X	X	X	
2		0945			Pile C S-2 1.5" dense grade	X	X	X	X	
3		0915			Pile C As-1 1.5" dense grade					X
4		0920			Pile C As-2 1.5" dense grade					X
5		0925			Pile C As-3 1.5" dense grade					X
6		1005			Pile C As-4 1.5" dense grade					X
7		1010			Pile C As-5 1.5" dense grade					X
8		1015			Pile C As-6 1.5" dense grade					X
Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial						O	AG	AG	AG	AG
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*						7	10	10	10	9
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*						6	1	1	1	1
					Number of Containers per Sample:	3	1	1	1	1

Laboratory Use Only
Cooler Present: ✓ ⊘ Drop Off ○ Pickup
Seals Intact: —
Cooler Temperature: Ice 4.3 °C

Sampled by: David Thibault (GZA)
Comments: Please specify "Other" preservative and containers types in this space
* Please run full SVOC list
** Run via methods 6010 and 7471A

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
David Thibault 4/16/20 1050	4/16/20 10:52		~~Amber Garcia 4/16/20 12:56~~ 4/17/20
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

CERTIFICATE OF ANALYSIS

Sophia Narkiewicz
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: NGRID Liquefication Project (03.0033554.04)
ESS Laboratory Work Order Number: 19K0808

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 1:42 pm, Dec 05, 2019

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

SAMPLE RECEIPT

The following samples were received on November 25, 2019 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on November 25, 2019 at 19:31.

Lab Number	Sample Name	Matrix	Analysis
19K0808-01	Keating - 1.5in dense grade - pile B Sample 1	Soil	6010C
19K0808-02	Keating - 1.5in dense grade - pile B Sample 2	Soil	6010C
19K0808-03	Keating - 1.5in dense grade - pile B Sample 3	Soil	6010C
19K0808-04	Keating - 1.5in dense grade - pile B Sample 4	Soil	6010C
19K0808-05	Keating - 1.5in dense grade - pile B Sample 5	Soil	6010C
19K0808-06	Keating - 1.5in dense grade - pile B Sample 6	Soil	6010C
19K0808-07	Keating - 1.5in dense grade - pile B Sample 7	Soil	6010C
19K0808-08	Keating - 1.5in dense grade - pile B Sample 8	Soil	6010C
19K0808-09	Keating - 1.5in dense grade - pile B Sample 9	Soil	6010C
19K0808-10	Keating - 1.5in dense grade - pile B Sample 10	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
19K0808-11	Keating - 1.5in dense grade - pile B Sample 11	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
19K0808-12	Keating - 1.5in dense grade - pile B Sample 12	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project ESS Laboratory Work Order: 19K0808

PROJECT NARRATIVE

8270D Semi-Volatile Organic Compounds

C9K0420-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (76% @ 80-120%), 4,6-Dinitro-2-Methylphenol (78% @ 80-120%), Benzoic Acid (63% @ 80-120%), Pentachlorophenol (90% @ 80-120%)

C9K0420-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
2,4-Dinitrophenol (24% @ 20%), 4,6-Dinitro-2-Methylphenol (22% @ 20%), Benzoic Acid (37% @ 20%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 1
Date Sampled: 11/25/19 14:10
Percent Solids: 96

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.92)		6010C		1	KJK	11/27/19 18:29	2.72	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 2
Date Sampled: 11/25/19 14:15
Percent Solids: 95

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.18)		6010C		1	KJK	11/27/19 18:33	2.41	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 3
Date Sampled: 11/25/19 14:20
Percent Solids: 95

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.89)		6010C		1	KJK	11/27/19 18:37	2.78	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 4
Date Sampled: 11/25/19 14:25
Percent Solids: 95

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.44)		6010C		1	KJK	11/27/19 18:41	3.64	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 5
Date Sampled: 11/25/19 14:30
Percent Solids: 96

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-05
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.00)		6010C		1	KJK	11/27/19 18:45	2.61	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 6
Date Sampled: 11/25/19 14:35
Percent Solids: 96

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-06
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.10)		6010C		1	KJK	11/27/19 18:49	2.49	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 7
Date Sampled: 11/25/19 14:40
Percent Solids: 96

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-07
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.70)		6010C		1	KJK	11/27/19 18:52	3.07	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 8
Date Sampled: 11/25/19 14:45
Percent Solids: 96

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-08
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.05)		6010C		1	KJK	11/27/19 18:56	2.55	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 9
Date Sampled: 11/25/19 14:50
Percent Solids: 96

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-09
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.15)		6010C		1	KJK	11/27/19 19:00	2.43	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 10
Date Sampled: 11/25/19 14:55
Percent Solids: 96

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-10
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.06)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Arsenic	ND (2.03)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Beryllium	**0.27** (0.09)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Cadmium	ND (0.41)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Chromium	**17.8** (0.81)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Copper	**12.8** (2.03)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Lead	**4.07** (4.06)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Mercury	ND (0.021)		7471B		1	MKS	12/02/19 12:34	1	40	CK92650
Nickel	**9.28** (2.03)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Selenium	ND (4.06)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Silver	ND (0.41)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Thallium	ND (4.06)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649
Zinc	**32.4** (2.03)		6010C		1	KJK	11/27/19 19:04	2.58	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 10
Date Sampled: 11/25/19 14:55
Percent Solids: 96
Initial Volume: 6.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-10
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,1,1-Trichloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,1,2,2-Tetrachloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,1,2-Trichloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,1-Dichloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,1-Dichloroethene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,1-Dichloropropene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,2,3-Trichlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,2,3-Trichloropropane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,2,4-Trichlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,2,4-Trimethylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,2-Dibromo-3-Chloropropane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,2-Dibromoethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,2-Dichlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,2-Dichloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,2-Dichloropropane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,3,5-Trimethylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,3-Dichlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,3-Dichloropropane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,4-Dichlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1,4-Dioxane	ND (0.0793)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
1-Chlorohexane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
2,2-Dichloropropane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
2-Butanone	ND (0.0396)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
2-Chlorotoluene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
2-Hexanone	ND (0.0396)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
4-Chlorotoluene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
4-Isopropyltoluene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
4-Methyl-2-Pentanone	ND (0.0396)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Acetone	ND (0.0396)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Benzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Bromobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 10
Date Sampled: 11/25/19 14:55
Percent Solids: 96
Initial Volume: 6.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-10
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Bromodichloromethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Bromoform	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Bromomethane	ND (0.0079)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Carbon Disulfide	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Carbon Tetrachloride	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Chlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Chloroethane	ND (0.0079)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Chloroform	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Chloromethane	ND (0.0079)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
cis-1,2-Dichloroethene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
cis-1,3-Dichloropropene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Dibromochloromethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Dibromomethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Dichlorodifluoromethane	ND (0.0079)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Diethyl Ether	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Di-isopropyl ether	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Ethyl tertiary-butyl ether	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Ethylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Hexachlorobutadiene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Isopropylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Methyl tert-Butyl Ether	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Methylene Chloride	ND (0.0198)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Naphthalene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
n-Butylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
n-Propylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
sec-Butylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Styrene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
tert-Butylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Tertiary-amyl methyl ether	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Tetrachloroethene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Tetrahydrofuran	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 10
Date Sampled: 11/25/19 14:55
Percent Solids: 96
Initial Volume: 6.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-10
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
trans-1,2-Dichloroethene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
trans-1,3-Dichloropropene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Trichloroethene	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Trichlorofluoromethane	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Vinyl Acetate	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Vinyl Chloride	ND (0.0079)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Xylene O	ND (0.0040)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Xylene P,M	ND (0.0079)		8260B Low		1	11/26/19 15:25	C9K0425	CK92626
Xylenes (Total)	ND (0.00793)		8260B Low		1	11/26/19 15:25		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*92 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*92 %*		*70-130*
Surrogate: Toluene-d8	*101 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 10
Date Sampled: 11/25/19 14:55
Percent Solids: 96
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-10
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 11/25/19 18:02

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (38.9)		8100M		1	11/26/19 22:53	C9K0423	CK92553

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*90 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 10
Date Sampled: 11/25/19 14:55
Percent Solids: 96
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-10
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/25/19 20:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
1,2,4-Trichlorobenzene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
1,2-Dichlorobenzene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
1,3-Dichlorobenzene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
1,4-Dichlorobenzene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2,3,4,6-Tetrachlorophenol	ND (1.78)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2,4,5-Trichlorophenol	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2,4,6-Trichlorophenol	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2,4-Dichlorophenol	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2,4-Dimethylphenol	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2,4-Dinitrophenol	ND (1.78)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2,4-Dinitrotoluene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2,6-Dinitrotoluene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2-Chloronaphthalene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2-Chlorophenol	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2-Methylnaphthalene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2-Methylphenol	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2-Nitroaniline	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
2-Nitrophenol	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
3,3´-Dichlorobenzidine	ND (0.712)		8270D		1	11/26/19 21:34	C9K0420	CK92554
3+4-Methylphenol	ND (0.712)		8270D		1	11/26/19 21:34	C9K0420	CK92554
3-Nitroaniline	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
4,6-Dinitro-2-Methylphenol	ND (1.78)		8270D		1	11/26/19 21:34	C9K0420	CK92554
4-Bromophenyl-phenylether	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
4-Chloro-3-Methylphenol	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
4-Chloroaniline	ND (0.712)		8270D		1	11/26/19 21:34	C9K0420	CK92554
4-Chloro-phenyl-phenyl ether	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
4-Nitroaniline	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
4-Nitrophenol	ND (1.78)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Acenaphthene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Acenaphthylene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Acetophenone	ND (0.712)		8270D		1	11/26/19 21:34	C9K0420	CK92554

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 10
Date Sampled: 11/25/19 14:55
Percent Solids: 96
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-10
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/25/19 20:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.712)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Anthracene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Azobenzene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Benzo(a)anthracene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Benzo(a)pyrene	ND (0.178)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Benzo(b)fluoranthene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Benzo(g,h,i)perylene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Benzo(k)fluoranthene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Benzoic Acid	ND (1.78)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Benzyl Alcohol	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
bis(2-Chloroethoxy)methane	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
bis(2-Chloroethyl)ether	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
bis(2-chloroisopropyl)Ether	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
bis(2-Ethylhexyl)phthalate	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Butylbenzylphthalate	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Carbazole	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Chrysene	ND (0.178)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Dibenzo(a,h)Anthracene	ND (0.178)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Dibenzofuran	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Diethylphthalate	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Dimethylphthalate	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Di-n-butylphthalate	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Di-n-octylphthalate	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Fluoranthene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Fluorene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Hexachlorobenzene	ND (0.178)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Hexachlorobutadiene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Hexachlorocyclopentadiene	ND (1.78)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Hexachloroethane	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Indeno(1,2,3-cd)Pyrene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Isophorone	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Naphthalene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 10
Date Sampled: 11/25/19 14:55
Percent Solids: 96
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-10
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/25/19 20:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
N-Nitrosodimethylamine	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
N-Nitroso-Di-n-Propylamine	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
N-nitrosodiphenylamine	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Pentachlorophenol	ND (1.78)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Phenanthrene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Phenol	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Pyrene	ND (0.356)		8270D		1	11/26/19 21:34	C9K0420	CK92554
Pyridine	ND (1.78)		8270D		1	11/26/19 21:34	C9K0420	CK92554

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*65 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*75 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*74 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*64 %*		*30-130*
Surrogate: 2-Fluorophenol	*75 %*		*30-130*
Surrogate: Nitrobenzene-d5	*67 %*		*30-130*
Surrogate: Phenol-d6	*72 %*		*30-130*
Surrogate: p-Terphenyl-d14	*78 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 11
Date Sampled: 11/25/19 15:00
Percent Solids: 96

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-11
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (3.69)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Arsenic	ND (1.84)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Beryllium	**0.30** (0.08)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Cadmium	ND (0.37)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Chromium	**12.8** (0.74)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Copper	**12.1** (1.84)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Lead	**8.63** (3.69)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Mercury	ND (0.018)		7471B		1	MKS	12/02/19 12:36	1.14	40	CK92650
Nickel	**10.0** (1.84)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Selenium	ND (3.69)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Silver	ND (0.37)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Thallium	ND (3.69)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649
Zinc	**33.9** (1.84)		6010C		1	KJK	11/27/19 19:19	2.84	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 11
Date Sampled: 11/25/19 15:00
Percent Solids: 96
Initial Volume: 6.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-11
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,1,1-Trichloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,1,2,2-Tetrachloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,1,2-Trichloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,1-Dichloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,1-Dichloroethene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,1-Dichloropropene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,2,3-Trichlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,2,3-Trichloropropane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,2,4-Trichlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,2,4-Trimethylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,2-Dibromo-3-Chloropropane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,2-Dibromoethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,2-Dichlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,2-Dichloroethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,2-Dichloropropane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,3,5-Trimethylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,3-Dichlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,3-Dichloropropane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,4-Dichlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1,4-Dioxane	ND (0.0805)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
1-Chlorohexane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
2,2-Dichloropropane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
2-Butanone	ND (0.0403)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
2-Chlorotoluene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
2-Hexanone	ND (0.0403)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
4-Chlorotoluene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
4-Isopropyltoluene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
4-Methyl-2-Pentanone	ND (0.0403)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Acetone	ND (0.0403)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Benzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Bromobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 11
Date Sampled: 11/25/19 15:00
Percent Solids: 96
Initial Volume: 6.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-11
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Bromodichloromethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Bromoform	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Bromomethane	ND (0.0081)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Carbon Disulfide	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Carbon Tetrachloride	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Chlorobenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Chloroethane	ND (0.0081)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Chloroform	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Chloromethane	ND (0.0081)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
cis-1,2-Dichloroethene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
cis-1,3-Dichloropropene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Dibromochloromethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Dibromomethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Dichlorodifluoromethane	ND (0.0081)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Diethyl Ether	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Di-isopropyl ether	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Ethyl tertiary-butyl ether	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Ethylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Hexachlorobutadiene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Isopropylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Methyl tert-Butyl Ether	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Methylene Chloride	ND (0.0201)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Naphthalene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
n-Butylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
n-Propylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
sec-Butylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Styrene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
tert-Butylbenzene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Tertiary-amyl methyl ether	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Tetrachloroethene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Tetrahydrofuran	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 11
Date Sampled: 11/25/19 15:00
Percent Solids: 96
Initial Volume: 6.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-11
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
trans-1,2-Dichloroethene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
trans-1,3-Dichloropropene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Trichloroethene	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Trichlorofluoromethane	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Vinyl Acetate	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Vinyl Chloride	ND (0.0081)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Xylene O	ND (0.0040)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Xylene P,M	ND (0.0081)		8260B Low		1	11/26/19 15:51	C9K0425	CK92626
Xylenes (Total)	ND (0.00805)		8260B Low		1	11/26/19 15:51		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*95 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*97 %*		*70-130*
Surrogate: Dibromofluoromethane	*94 %*		*70-130*
Surrogate: Toluene-d8	*100 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 11
Date Sampled: 11/25/19 15:00
Percent Solids: 96
Initial Volume: 20.5
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-11
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 11/25/19 18:02

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (38.3)		8100M		1	11/26/19 23:29	C9K0423	CK92553

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*73 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 11
Date Sampled: 11/25/19 15:00
Percent Solids: 96
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-11
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/25/19 20:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
1,2,4-Trichlorobenzene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
1,2-Dichlorobenzene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
1,3-Dichlorobenzene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
1,4-Dichlorobenzene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2,3,4,6-Tetrachlorophenol	ND (1.77)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2,4,5-Trichlorophenol	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2,4,6-Trichlorophenol	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2,4-Dichlorophenol	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2,4-Dimethylphenol	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2,4-Dinitrophenol	ND (1.77)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2,4-Dinitrotoluene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2,6-Dinitrotoluene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2-Chloronaphthalene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2-Chlorophenol	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2-Methylnaphthalene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2-Methylphenol	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2-Nitroaniline	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
2-Nitrophenol	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
3,3´-Dichlorobenzidine	ND (0.708)		8270D		1	11/26/19 22:01	C9K0420	CK92554
3+4-Methylphenol	ND (0.708)		8270D		1	11/26/19 22:01	C9K0420	CK92554
3-Nitroaniline	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
4,6-Dinitro-2-Methylphenol	ND (1.77)		8270D		1	11/26/19 22:01	C9K0420	CK92554
4-Bromophenyl-phenylether	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
4-Chloro-3-Methylphenol	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
4-Chloroaniline	ND (0.708)		8270D		1	11/26/19 22:01	C9K0420	CK92554
4-Chloro-phenyl-phenyl ether	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
4-Nitroaniline	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
4-Nitrophenol	ND (1.77)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Acenaphthene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Acenaphthylene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Acetophenone	ND (0.708)		8270D		1	11/26/19 22:01	C9K0420	CK92554

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 11
Date Sampled: 11/25/19 15:00
Percent Solids: 96
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-11
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/25/19 20:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.708)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Anthracene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Azobenzene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Benzo(a)anthracene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Benzo(a)pyrene	ND (0.177)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Benzo(b)fluoranthene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Benzo(g,h,i)perylene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Benzo(k)fluoranthene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Benzoic Acid	ND (1.77)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Benzyl Alcohol	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
bis(2-Chloroethoxy)methane	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
bis(2-Chloroethyl)ether	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
bis(2-chloroisopropyl)Ether	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
bis(2-Ethylhexyl)phthalate	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Butylbenzylphthalate	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Carbazole	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Chrysene	ND (0.177)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Dibenzo(a,h)Anthracene	ND (0.177)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Dibenzofuran	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Diethylphthalate	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Dimethylphthalate	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Di-n-butylphthalate	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Di-n-octylphthalate	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Fluoranthene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Fluorene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Hexachlorobenzene	ND (0.177)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Hexachlorobutadiene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Hexachlorocyclopentadiene	ND (1.77)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Hexachloroethane	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Indeno(1,2,3-cd)Pyrene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Isophorone	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Naphthalene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 11
Date Sampled: 11/25/19 15:00
Percent Solids: 96
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-11
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/25/19 20:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
N-Nitrosodimethylamine	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
N-Nitroso-Di-n-Propylamine	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
N-nitrosodiphenylamine	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Pentachlorophenol	ND (1.77)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Phenanthrene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Phenol	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Pyrene	ND (0.353)		8270D		1	11/26/19 22:01	C9K0420	CK92554
Pyridine	ND (1.77)		8270D		1	11/26/19 22:01	C9K0420	CK92554

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*66 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*77 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*77 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*66 %*		*30-130*
Surrogate: 2-Fluorophenol	*77 %*		*30-130*
Surrogate: Nitrobenzene-d5	*70 %*		*30-130*
Surrogate: Phenol-d6	*75 %*		*30-130*
Surrogate: p-Terphenyl-d14	*79 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 12
Date Sampled: 11/25/19 15:05
Percent Solids: 95

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-12
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.21)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Arsenic	ND (2.11)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Beryllium	**0.28** (0.09)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Cadmium	ND (0.42)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Chromium	**9.27** (0.84)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Copper	**13.5** (2.11)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Lead	**7.60** (4.21)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Mercury	ND (0.018)		7471B		1	MKS	12/02/19 12:38	1.16	40	CK92650
Nickel	**8.62** (2.11)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Selenium	ND (4.21)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Silver	ND (0.42)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Thallium	ND (4.21)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649
Zinc	**33.0** (2.11)		6010C		1	KJK	11/27/19 19:23	2.49	100	CK92649

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 12
Date Sampled: 11/25/19 15:05
Percent Solids: 95
Initial Volume: 7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-12
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,1,1-Trichloroethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,1,2,2-Tetrachloroethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,1,2-Trichloroethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,1-Dichloroethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,1-Dichloroethene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,1-Dichloropropene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,2,3-Trichlorobenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,2,3-Trichloropropane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,2,4-Trichlorobenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,2,4-Trimethylbenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,2-Dibromo-3-Chloropropane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,2-Dibromoethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,2-Dichlorobenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,2-Dichloroethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,2-Dichloropropane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,3,5-Trimethylbenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,3-Dichlorobenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,3-Dichloropropane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,4-Dichlorobenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1,4-Dioxane	ND (0.0749)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
1-Chlorohexane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
2,2-Dichloropropane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
2-Butanone	ND (0.0375)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
2-Chlorotoluene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
2-Hexanone	ND (0.0375)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
4-Chlorotoluene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
4-Isopropyltoluene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
4-Methyl-2-Pentanone	ND (0.0375)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Acetone	ND (0.0375)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Benzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Bromobenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 12
Date Sampled: 11/25/19 15:05
Percent Solids: 95
Initial Volume: 7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-12
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Bromodichloromethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Bromoform	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Bromomethane	ND (0.0075)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Carbon Disulfide	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Carbon Tetrachloride	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Chlorobenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Chloroethane	ND (0.0075)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Chloroform	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Chloromethane	ND (0.0075)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
cis-1,2-Dichloroethene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
cis-1,3-Dichloropropene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Dibromochloromethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Dibromomethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Dichlorodifluoromethane	ND (0.0075)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Diethyl Ether	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Di-isopropyl ether	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Ethyl tertiary-butyl ether	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Ethylbenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Hexachlorobutadiene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Isopropylbenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Methyl tert-Butyl Ether	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Methylene Chloride	ND (0.0187)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Naphthalene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
n-Butylbenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
n-Propylbenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
sec-Butylbenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Styrene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
tert-Butylbenzene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Tertiary-amyl methyl ether	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Tetrachloroethene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Tetrahydrofuran	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 12
Date Sampled: 11/25/19 15:05
Percent Solids: 95
Initial Volume: 7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-12
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
trans-1,2-Dichloroethene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
trans-1,3-Dichloropropene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Trichloroethene	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Trichlorofluoromethane	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Vinyl Acetate	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Vinyl Chloride	ND (0.0075)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Xylene O	ND (0.0037)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Xylene P,M	ND (0.0075)		8260B Low		1	11/26/19 16:16	C9K0425	CK92626
Xylenes (Total)	ND (0.00749)		8260B Low		1	11/26/19 16:16		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*96 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*99 %*		*70-130*
Surrogate: Dibromofluoromethane	*94 %*		*70-130*
Surrogate: Toluene-d8	*101 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 12
Date Sampled: 11/25/19 15:05
Percent Solids: 95
Initial Volume: 20.5
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-12
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 11/25/19 18:02

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (38.4)		8100M		1	11/27/19 0:06	C9K0423	CK92553

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*81 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 12
Date Sampled: 11/25/19 15:05
Percent Solids: 95
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-12
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/25/19 20:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
1,2,4-Trichlorobenzene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
1,2-Dichlorobenzene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
1,3-Dichlorobenzene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
1,4-Dichlorobenzene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2,3,4,6-Tetrachlorophenol	ND (1.72)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2,4,5-Trichlorophenol	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2,4,6-Trichlorophenol	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2,4-Dichlorophenol	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2,4-Dimethylphenol	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2,4-Dinitrophenol	ND (1.72)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2,4-Dinitrotoluene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2,6-Dinitrotoluene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2-Chloronaphthalene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2-Chlorophenol	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2-Methylnaphthalene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2-Methylphenol	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2-Nitroaniline	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
2-Nitrophenol	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
3,3´-Dichlorobenzidine	ND (0.686)		8270D		1	11/26/19 22:29	C9K0420	CK92554
3+4-Methylphenol	ND (0.686)		8270D		1	11/26/19 22:29	C9K0420	CK92554
3-Nitroaniline	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
4,6-Dinitro-2-Methylphenol	ND (1.72)		8270D		1	11/26/19 22:29	C9K0420	CK92554
4-Bromophenyl-phenylether	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
4-Chloro-3-Methylphenol	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
4-Chloroaniline	ND (0.686)		8270D		1	11/26/19 22:29	C9K0420	CK92554
4-Chloro-phenyl-phenyl ether	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
4-Nitroaniline	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
4-Nitrophenol	ND (1.72)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Acenaphthene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Acenaphthylene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Acetophenone	ND (0.686)		8270D		1	11/26/19 22:29	C9K0420	CK92554

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 12
Date Sampled: 11/25/19 15:05
Percent Solids: 95
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-12
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/25/19 20:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.686)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Anthracene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Azobenzene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Benzo(a)anthracene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Benzo(a)pyrene	ND (0.172)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Benzo(b)fluoranthene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Benzo(g,h,i)perylene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Benzo(k)fluoranthene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Benzoic Acid	ND (1.72)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Benzyl Alcohol	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
bis(2-Chloroethoxy)methane	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
bis(2-Chloroethyl)ether	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
bis(2-chloroisopropyl)Ether	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
bis(2-Ethylhexyl)phthalate	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Butylbenzylphthalate	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Carbazole	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Chrysene	ND (0.172)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Dibenzo(a,h)Anthracene	ND (0.172)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Dibenzofuran	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Diethylphthalate	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Dimethylphthalate	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Di-n-butylphthalate	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Di-n-octylphthalate	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Fluoranthene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Fluorene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Hexachlorobenzene	ND (0.172)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Hexachlorobutadiene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Hexachlorocyclopentadiene	ND (1.72)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Hexachloroethane	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Indeno(1,2,3-cd)Pyrene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Isophorone	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Naphthalene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project
Client Sample ID: Keating - 1.5in dense grade - pile B Sample 12
Date Sampled: 11/25/19 15:05
Percent Solids: 95
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19K0808
ESS Laboratory Sample ID: 19K0808-12
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 11/25/19 20:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
N-Nitrosodimethylamine	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
N-Nitroso-Di-n-Propylamine	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
N-nitrosodiphenylamine	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Pentachlorophenol	ND (1.72)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Phenanthrene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Phenol	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Pyrene	ND (0.343)		8270D		1	11/26/19 22:29	C9K0420	CK92554
Pyridine	ND (1.72)		8270D		1	11/26/19 22:29	C9K0420	CK92554

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*73 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*87 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*84 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*72 %*		*30-130*
Surrogate: 2-Fluorophenol	*84 %*		*30-130*
Surrogate: Nitrobenzene-d5	*75 %*		*30-130*
Surrogate: Phenol-d6	*82 %*		*30-130*
Surrogate: p-Terphenyl-d14	*88 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Total Metals

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch CK92649 - 3050B										
Blank										
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	5.00	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	39.4	12.2	mg/kg wet	51.30		77	40-160			
Arsenic	186	6.10	mg/kg wet	202.0		92	80-120			
Beryllium	48.1	0.27	mg/kg wet	52.10		92	80-120			
Cadmium	136	1.22	mg/kg wet	149.0		92	80-120			
Chromium	168	2.44	mg/kg wet	182.0		92	80-120			
Copper	205	6.10	mg/kg wet	225.0		91	80-120			
Lead	312	12.2	mg/kg wet	333.0		94	80-120			
Nickel	154	6.10	mg/kg wet	167.0		92	80-120			
Selenium	153	12.2	mg/kg wet	169.0		91	80-120			
Silver	44.2	1.22	mg/kg wet	48.90		90	80-120			
Thallium	66.7	12.2	mg/kg wet	82.30		81	80-120			
Zinc	409	6.10	mg/kg wet	459.0		89	80-120			
LCS Dup										
Antimony	43.1	15.6	mg/kg wet	51.30		84	40-160	9	20	
Arsenic	196	7.81	mg/kg wet	202.0		97	80-120	5	20	
Beryllium	49.4	0.34	mg/kg wet	52.10		95	80-120	3	20	
Cadmium	133	1.56	mg/kg wet	149.0		89	80-120	2	20	
Chromium	174	3.12	mg/kg wet	182.0		96	80-120	3	20	
Copper	222	7.81	mg/kg wet	225.0		99	80-120	8	20	
Lead	317	15.6	mg/kg wet	333.0		95	80-120	2	20	
Nickel	162	7.81	mg/kg wet	167.0		97	80-120	5	20	
Selenium	161	15.6	mg/kg wet	169.0		96	80-120	5	20	
Silver	45.6	1.56	mg/kg wet	48.90		93	80-120	3	20	
Thallium	69.1	15.6	mg/kg wet	82.30		84	80-120	3	20	
Zinc	429	7.81	mg/kg wet	459.0		94	80-120	5	20	
Batch CK92650 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	8.40	0.629	mg/kg wet	7.760		108	80-120			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CK92650 - 7471B										
LCS Dup										
Mercury	8.21	0.477	mg/kg wet	7.760		106	80-120	2	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch CK92626 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CK92626 - 5035										
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0501*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0489*		mg/kg wet	*0.05000*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0474*		mg/kg wet	*0.05000*		*95*	*70-130*			
Surrogate: Toluene-d8	*0.0492*		mg/kg wet	*0.05000*		*98*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0483	0.0050	mg/kg wet	0.05000		97	70-130			
1,1,1-Trichloroethane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
1,1,2,2-Tetrachloroethane	0.0453	0.0050	mg/kg wet	0.05000		91	70-130			
1,1,2-Trichloroethane	0.0447	0.0050	mg/kg wet	0.05000		89	70-130			
1,1-Dichloroethane	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
1,1-Dichloroethene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CK92626 - 5035										
1,1-Dichloropropene	0.0521	0.0050	mg/kg wet	0.05000		104	70-130			
1,2,3-Trichlorobenzene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
1,2,3-Trichloropropane	0.0422	0.0050	mg/kg wet	0.05000		84	70-130			
1,2,4-Trichlorobenzene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
1,2,4-Trimethylbenzene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
1,2-Dibromo-3-Chloropropane	0.0415	0.0050	mg/kg wet	0.05000		83	70-130			
1,2-Dibromoethane	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
1,2-Dichlorobenzene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130			
1,2-Dichloroethane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
1,2-Dichloropropane	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
1,3,5-Trimethylbenzene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130			
1,3-Dichlorobenzene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
1,3-Dichloropropane	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
1,4-Dichlorobenzene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
1,4-Dioxane	0.773	0.100	mg/kg wet	1.000		77	70-130			
1-Chlorohexane	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
2,2-Dichloropropane	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
2-Butanone	0.239	0.0500	mg/kg wet	0.2500		96	70-130			
2-Chlorotoluene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
2-Hexanone	0.224	0.0500	mg/kg wet	0.2500		90	70-130			
4-Chlorotoluene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
4-Isopropyltoluene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
4-Methyl-2-Pentanone	0.232	0.0500	mg/kg wet	0.2500		93	70-130			
Acetone	0.222	0.0500	mg/kg wet	0.2500		89	70-130			
Benzene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
Bromobenzene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
Bromochloromethane	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
Bromodichloromethane	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
Bromoform	0.0407	0.0050	mg/kg wet	0.05000		81	70-130			
Bromomethane	0.0426	0.0100	mg/kg wet	0.05000		85	70-130			
Carbon Disulfide	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
Carbon Tetrachloride	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
Chlorobenzene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
Chloroethane	0.0434	0.0100	mg/kg wet	0.05000		87	70-130			
Chloroform	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
Chloromethane	0.0440	0.0100	mg/kg wet	0.05000		88	70-130			
cis-1,2-Dichloroethene	0.0483	0.0050	mg/kg wet	0.05000		97	70-130			
cis-1,3-Dichloropropene	0.0456	0.0050	mg/kg wet	0.05000		91	70-130			
Dibromochloromethane	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
Dibromomethane	0.0471	0.0050	mg/kg wet	0.05000		94	70-130			
Dichlorodifluoromethane	0.0449	0.0100	mg/kg wet	0.05000		90	70-130			
Diethyl Ether	0.0464	0.0050	mg/kg wet	0.05000		93	70-130			
Di-isopropyl ether	0.0486	0.0050	mg/kg wet	0.05000		97	70-130			
Ethyl tertiary-butyl ether	0.0428	0.0050	mg/kg wet	0.05000		86	70-130			
Ethylbenzene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CK92626 - 5035										
Hexachlorobutadiene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130			
Isopropylbenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
Methyl tert-Butyl Ether	0.0458	0.0050	mg/kg wet	0.05000		92	70-130			
Methylene Chloride	0.0521	0.0250	mg/kg wet	0.05000		104	70-130			
Naphthalene	0.0429	0.0050	mg/kg wet	0.05000		86	70-130			
n-Butylbenzene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
n-Propylbenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130			
sec-Butylbenzene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			
Styrene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
tert-Butylbenzene	0.0521	0.0050	mg/kg wet	0.05000		104	70-130			
Tertiary-amyl methyl ether	0.0438	0.0050	mg/kg wet	0.05000		88	70-130			
Tetrachloroethene	0.0548	0.0050	mg/kg wet	0.05000		110	70-130			
Tetrahydrofuran	0.0395	0.0050	mg/kg wet	0.05000		79	70-130			
Toluene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
trans-1,2-Dichloroethene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
trans-1,3-Dichloropropene	0.0443	0.0050	mg/kg wet	0.05000		89	70-130			
Trichloroethene	0.0510	0.0050	mg/kg wet	0.05000		102	70-130			
Trichlorofluoromethane	0.0563	0.0050	mg/kg wet	0.05000		113	70-130			
Vinyl Acetate	0.0389	0.0050	mg/kg wet	0.05000		78	70-130			
Vinyl Chloride	0.0450	0.0100	mg/kg wet	0.05000		90	70-130			
Xylene O	0.0521	0.0050	mg/kg wet	0.05000		104	70-130			
Xylene P,M	0.105	0.0100	mg/kg wet	0.1000		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0487*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0511*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0481*		mg/kg wet	*0.05000*		*96*	*70-130*			
Surrogate: Toluene-d8	*0.0515*		mg/kg wet	*0.05000*		*103*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	3	25	
1,1,1-Trichloroethane	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	5	25	
1,1,2,2-Tetrachloroethane	0.0457	0.0050	mg/kg wet	0.05000		91	70-130	0.7	25	
1,1,2-Trichloroethane	0.0456	0.0050	mg/kg wet	0.05000		91	70-130	2	25	
1,1-Dichloroethane	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	6	25	
1,1-Dichloroethene	0.0578	0.0050	mg/kg wet	0.05000		116	70-130	7	25	
1,1-Dichloropropene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	6	25	
1,2,3-Trichlorobenzene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	3	25	
1,2,3-Trichloropropane	0.0427	0.0050	mg/kg wet	0.05000		85	70-130	1	25	
1,2,4-Trichlorobenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	3	25	
1,2,4-Trimethylbenzene	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	7	25	
1,2-Dibromo-3-Chloropropane	0.0413	0.0050	mg/kg wet	0.05000		83	70-130	0.4	25	
1,2-Dibromoethane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130	0.7	25	
1,2-Dichlorobenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	5	25	
1,2-Dichloroethane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130	4	25	
1,2-Dichloropropane	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	4	25	
1,3,5-Trimethylbenzene	0.0558	0.0050	mg/kg wet	0.05000		112	70-130	6	25	
1,3-Dichlorobenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	6	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CK92626 - 5035										
1,3-Dichloropropane	0.0496	0.0050	mg/kg wet	0.05000		99	70-130	0.4	25	
1,4-Dichlorobenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	5	25	
1,4-Dioxane	0.795	0.100	mg/kg wet	1.000		79	70-130	3	20	
1-Chlorohexane	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	3	25	
2,2-Dichloropropane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	6	25	
2-Butanone	0.246	0.0500	mg/kg wet	0.2500		98	70-130	3	25	
2-Chlorotoluene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	5	25	
2-Hexanone	0.217	0.0500	mg/kg wet	0.2500		87	70-130	3	25	
4-Chlorotoluene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	7	25	
4-Isopropyltoluene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	8	25	
4-Methyl-2-Pentanone	0.227	0.0500	mg/kg wet	0.2500		91	70-130	2	25	
Acetone	0.222	0.0500	mg/kg wet	0.2500		89	70-130	0.3	25	
Benzene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	4	25	
Bromobenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	6	25	
Bromochloromethane	0.0477	0.0050	mg/kg wet	0.05000		95	70-130	4	25	
Bromodichloromethane	0.0494	0.0050	mg/kg wet	0.05000		99	70-130	4	25	
Bromoform	0.0401	0.0050	mg/kg wet	0.05000		80	70-130	1	25	
Bromomethane	0.0437	0.0100	mg/kg wet	0.05000		87	70-130	3	25	
Carbon Disulfide	0.0528	0.0050	mg/kg wet	0.05000		106	70-130	5	25	
Carbon Tetrachloride	0.0566	0.0050	mg/kg wet	0.05000		113	70-130	5	25	
Chlorobenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	1	25	
Chloroethane	0.0482	0.0100	mg/kg wet	0.05000		96	70-130	10	25	
Chloroform	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	5	25	
Chloromethane	0.0462	0.0100	mg/kg wet	0.05000		92	70-130	5	25	
cis-1,2-Dichloroethene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	5	25	
cis-1,3-Dichloropropene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130	3	25	
Dibromochloromethane	0.0477	0.0050	mg/kg wet	0.05000		95	70-130	0.8	25	
Dibromomethane	0.0475	0.0050	mg/kg wet	0.05000		95	70-130	0.9	25	
Dichlorodifluoromethane	0.0481	0.0100	mg/kg wet	0.05000		96	70-130	7	25	
Diethyl Ether	0.0473	0.0050	mg/kg wet	0.05000		95	70-130	2	25	
Di-isopropyl ether	0.0511	0.0050	mg/kg wet	0.05000		102	70-130	5	25	
Ethyl tertiary-butyl ether	0.0440	0.0050	mg/kg wet	0.05000		88	70-130	3	25	
Ethylbenzene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	1	25	
Hexachlorobutadiene	0.0585	0.0050	mg/kg wet	0.05000		117	70-130	9	25	
Isopropylbenzene	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	7	25	
Methyl tert-Butyl Ether	0.0470	0.0050	mg/kg wet	0.05000		94	70-130	2	25	
Methylene Chloride	0.0538	0.0250	mg/kg wet	0.05000		108	70-130	3	25	
Naphthalene	0.0439	0.0050	mg/kg wet	0.05000		88	70-130	2	25	
n-Butylbenzene	0.0566	0.0050	mg/kg wet	0.05000		113	70-130	7	25	
n-Propylbenzene	0.0560	0.0050	mg/kg wet	0.05000		112	70-130	7	25	
sec-Butylbenzene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130	7	25	
Styrene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130	0.08	25	
tert-Butylbenzene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	8	25	
Tertiary-amyl methyl ether	0.0444	0.0050	mg/kg wet	0.05000		89	70-130	1	25	
Tetrachloroethene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	3	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CK92626 - 5035										
Tetrahydrofuran	0.0402	0.0050	mg/kg wet	0.05000		80	70-130	2	25	
Toluene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	4	25	
trans-1,2-Dichloroethene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	6	25	
trans-1,3-Dichloropropene	0.0449	0.0050	mg/kg wet	0.05000		90	70-130	1	25	
Trichloroethene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	5	25	
Trichlorofluoromethane	0.0601	0.0050	mg/kg wet	0.05000		120	70-130	6	25	
Vinyl Acetate	0.0398	0.0050	mg/kg wet	0.05000		80	70-130	2	25	
Vinyl Chloride	0.0473	0.0100	mg/kg wet	0.05000		95	70-130	5	25	
Xylene O	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	0.6	25	
Xylene P,M	0.108	0.0100	mg/kg wet	0.1000		108	70-130	2	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0476*		mg/kg wet	*0.05000*		*95*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0493*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0477*		mg/kg wet	*0.05000*		*95*	*70-130*			
Surrogate: Toluene-d8	*0.0502*		mg/kg wet	*0.05000*		*100*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch CK92553 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*5.08*		mg/kg wet	*5.000*		*102*	*40-140*			
LCS										
Decane (C10)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Docosane (C22)	2.7	0.2	mg/kg wet	2.500		108	40-140			
Dodecane (C12)	2.3	0.2	mg/kg wet	2.500		93	40-140			
Eicosane (C20)	2.7	0.2	mg/kg wet	2.500		107	40-140			
Hexacosane (C26)	2.6	0.2	mg/kg wet	2.500		106	40-140			
Hexadecane (C16)	2.5	0.2	mg/kg wet	2.500		99	40-140			
Nonadecane (C19)	2.7	0.2	mg/kg wet	2.500		109	40-140			
Nonane (C9)	1.9	0.2	mg/kg wet	2.500		77	30-140			
Octacosane (C28)	2.6	0.2	mg/kg wet	2.500		105	40-140			
Octadecane (C18)	2.6	0.2	mg/kg wet	2.500		103	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CK92553 - 3546										
Tetracosane (C24)	2.7	0.2	mg/kg wet	2.500		107	40-140			
Tetradecane (C14)	2.4	0.2	mg/kg wet	2.500		97	40-140			
Total Petroleum Hydrocarbons	35.0	37.5	mg/kg wet	35.00		100	40-140			
Triacontane (C30)	2.6	0.2	mg/kg wet	2.500		105	40-140			
Surrogate: O-Terphenyl	*5.50*		mg/kg wet	*5.000*		*110*	*40-140*			
LCS Dup										
Decane (C10)	2.2	0.2	mg/kg wet	2.500		89	40-140	2	25	
Docosane (C22)	2.7	0.2	mg/kg wet	2.500		107	40-140	0.7	25	
Dodecane (C12)	2.4	0.2	mg/kg wet	2.500		95	40-140	2	25	
Eicosane (C20)	2.6	0.2	mg/kg wet	2.500		106	40-140	1	25	
Hexacosane (C26)	2.6	0.2	mg/kg wet	2.500		105	40-140	0.8	25	
Hexadecane (C16)	2.5	0.2	mg/kg wet	2.500		100	40-140	1	25	
Nonadecane (C19)	2.7	0.2	mg/kg wet	2.500		109	40-140	0.6	25	
Nonane (C9)	1.9	0.2	mg/kg wet	2.500		77	30-140	1	25	
Octacosane (C28)	2.6	0.2	mg/kg wet	2.500		105	40-140	0.8	25	
Octadecane (C18)	2.6	0.2	mg/kg wet	2.500		103	40-140	0.2	25	
Tetracosane (C24)	2.6	0.2	mg/kg wet	2.500		106	40-140	1	25	
Tetradecane (C14)	2.5	0.2	mg/kg wet	2.500		98	40-140	2	25	
Total Petroleum Hydrocarbons	35.1	37.5	mg/kg wet	35.00		100	40-140	0.07	25	
Triacontane (C30)	2.6	0.2	mg/kg wet	2.500		103	40-140	1	25	
Surrogate: O-Terphenyl	*5.42*		mg/kg wet	*5.000*		*108*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch CK92554 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CK92554 - 3546										
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CK92554 - 3546										
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.06*		mg/kg wet	*3.333*		*62*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.80*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.46*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.01*		mg/kg wet	*3.333*		*60*	*30-130*			
Surrogate: 2-Fluorophenol	*3.62*		mg/kg wet	*5.000*		*72*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.09*		mg/kg wet	*3.333*		*63*	*30-130*			
Surrogate: Phenol-d6	*3.38*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.11*		mg/kg wet	*3.333*		*93*	*30-130*			
LCS										
1,1-Biphenyl	2.29	0.333	mg/kg wet	3.333		69	40-140			
1,2,4-Trichlorobenzene	2.15	0.333	mg/kg wet	3.333		64	40-140			
1,2-Dichlorobenzene	2.09	0.333	mg/kg wet	3.333		63	40-140			
1,3-Dichlorobenzene	2.05	0.333	mg/kg wet	3.333		61	40-140			
1,4-Dichlorobenzene	2.03	0.333	mg/kg wet	3.333		61	40-140			
2,3,4,6-Tetrachlorophenol	2.57	1.67	mg/kg wet	3.333		77	30-130			
2,4,5-Trichlorophenol	2.60	0.333	mg/kg wet	3.333		78	30-130			
2,4,6-Trichlorophenol	2.43	0.333	mg/kg wet	3.333		73	30-130			
2,4-Dichlorophenol	2.44	0.333	mg/kg wet	3.333		73	30-130			
2,4-Dimethylphenol	2.29	0.333	mg/kg wet	3.333		69	30-130			
2,4-Dinitrophenol	2.57	1.67	mg/kg wet	3.333		77	30-130			
2,4-Dinitrotoluene	2.81	0.333	mg/kg wet	3.333		84	40-140			
2,6-Dinitrotoluene	2.64	0.333	mg/kg wet	3.333		79	40-140			
2-Chloronaphthalene	2.33	0.333	mg/kg wet	3.333		70	40-140			
2-Chlorophenol	2.32	0.333	mg/kg wet	3.333		70	30-130			
2-Methylnaphthalene	2.23	0.333	mg/kg wet	3.333		67	40-140			
2-Methylphenol	2.39	0.333	mg/kg wet	3.333		72	30-130			
2-Nitroaniline	2.82	0.333	mg/kg wet	3.333		85	40-140			
2-Nitrophenol	2.13	0.333	mg/kg wet	3.333		64	30-130			
3,3´-Dichlorobenzidine	2.14	0.667	mg/kg wet	3.333		64	40-140			
3+4-Methylphenol	4.99	0.667	mg/kg wet	6.667		75	30-130			
3-Nitroaniline	2.56	0.333	mg/kg wet	3.333		77	40-140			
4,6-Dinitro-2-Methylphenol	2.66	1.67	mg/kg wet	3.333		80	30-130			
4-Bromophenyl-phenylether	2.61	0.333	mg/kg wet	3.333		78	40-140			
4-Chloro-3-Methylphenol	2.70	0.333	mg/kg wet	3.333		81	30-130			
4-Chloroaniline	1.60	0.667	mg/kg wet	3.333		48	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CK92554 - 3546										
4-Chloro-phenyl-phenyl ether	2.60	0.333	mg/kg wet	3.333		78	40-140			
4-Nitroaniline	2.52	0.333	mg/kg wet	3.333		76	40-140			
4-Nitrophenol	2.63	1.67	mg/kg wet	3.333		79	30-130			
Acenaphthene	2.39	0.333	mg/kg wet	3.333		72	40-140			
Acenaphthylene	2.36	0.333	mg/kg wet	3.333		71	40-140			
Acetophenone	2.38	0.667	mg/kg wet	3.333		72	40-140			
Aniline	1.57	0.667	mg/kg wet	3.333		47	40-140			
Anthracene	2.75	0.333	mg/kg wet	3.333		83	40-140			
Azobenzene	2.96	0.333	mg/kg wet	3.333		89	40-140			
Benzo(a)anthracene	2.85	0.333	mg/kg wet	3.333		86	40-140			
Benzo(a)pyrene	2.72	0.167	mg/kg wet	3.333		82	40-140			
Benzo(b)fluoranthene	3.19	0.333	mg/kg wet	3.333		96	40-140			
Benzo(g,h,i)perylene	2.72	0.333	mg/kg wet	3.333		82	40-140			
Benzo(k)fluoranthene	2.69	0.333	mg/kg wet	3.333		81	40-140			
Benzoic Acid	2.19	1.67	mg/kg wet	3.333		66	40-140			
Benzyl Alcohol	1.60	0.333	mg/kg wet	3.333		48	40-140			
bis(2-Chloroethoxy)methane	2.31	0.333	mg/kg wet	3.333		69	40-140			
bis(2-Chloroethyl)ether	2.35	0.333	mg/kg wet	3.333		71	40-140			
bis(2-chloroisopropyl)Ether	2.15	0.333	mg/kg wet	3.333		64	40-140			
bis(2-Ethylhexyl)phthalate	3.13	0.333	mg/kg wet	3.333		94	40-140			
Butylbenzylphthalate	3.12	0.333	mg/kg wet	3.333		93	40-140			
Carbazole	2.79	0.333	mg/kg wet	3.333		84	40-140			
Chrysene	2.80	0.167	mg/kg wet	3.333		84	40-140			
Dibenzo(a,h)Anthracene	2.76	0.167	mg/kg wet	3.333		83	40-140			
Dibenzofuran	2.49	0.333	mg/kg wet	3.333		75	40-140			
Diethylphthalate	2.88	0.333	mg/kg wet	3.333		86	40-140			
Dimethylphthalate	2.74	0.333	mg/kg wet	3.333		82	40-140			
Di-n-butylphthalate	3.04	0.333	mg/kg wet	3.333		91	40-140			
Di-n-octylphthalate	3.31	0.333	mg/kg wet	3.333		99	40-140			
Fluoranthene	2.76	0.333	mg/kg wet	3.333		83	40-140			
Fluorene	2.68	0.333	mg/kg wet	3.333		80	40-140			
Hexachlorobenzene	2.57	0.167	mg/kg wet	3.333		77	40-140			
Hexachlorobutadiene	2.12	0.333	mg/kg wet	3.333		63	40-140			
Hexachlorocyclopentadiene	1.67	1.67	mg/kg wet	3.333		50	40-140			
Hexachloroethane	2.08	0.333	mg/kg wet	3.333		62	40-140			
Indeno(1,2,3-cd)Pyrene	2.76	0.333	mg/kg wet	3.333		83	40-140			
Isophorone	2.06	0.333	mg/kg wet	3.333		62	40-140			
Naphthalene	2.18	0.333	mg/kg wet	3.333		65	40-140			
Nitrobenzene	2.20	0.333	mg/kg wet	3.333		66	40-140			
N-Nitrosodimethylamine	2.19	0.333	mg/kg wet	3.333		66	40-140			
N-Nitroso-Di-n-Propylamine	2.36	0.333	mg/kg wet	3.333		71	40-140			
N-nitrosodiphenylamine	2.74	0.333	mg/kg wet	3.333		82	40-140			
Pentachlorophenol	2.76	1.67	mg/kg wet	3.333		83	30-130			
Phenanthrene	2.68	0.333	mg/kg wet	3.333		80	40-140			
Phenol	2.26	0.333	mg/kg wet	3.333		68	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CK92554 - 3546										
Pyrene	2.93	0.333	mg/kg wet	3.333		88	40-140			
Pyridine	1.78	1.67	mg/kg wet	3.333		53	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.08*		mg/kg wet	*3.333*		*62*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.26*		mg/kg wet	*5.000*		*85*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.77*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.40*		mg/kg wet	*3.333*		*72*	*30-130*			
Surrogate: 2-Fluorophenol	*3.81*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.45*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: Phenol-d6	*3.74*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.02*		mg/kg wet	*3.333*		*91*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.33	0.333	mg/kg wet	3.333		70	40-140	2	30	
1,2,4-Trichlorobenzene	2.22	0.333	mg/kg wet	3.333		66	40-140	3	30	
1,2-Dichlorobenzene	2.24	0.333	mg/kg wet	3.333		67	40-140	7	30	
1,3-Dichlorobenzene	2.23	0.333	mg/kg wet	3.333		67	40-140	8	30	
1,4-Dichlorobenzene	2.18	0.333	mg/kg wet	3.333		65	40-140	7	30	
2,3,4,6-Tetrachlorophenol	2.61	1.67	mg/kg wet	3.333		78	30-130	1	30	
2,4,5-Trichlorophenol	2.64	0.333	mg/kg wet	3.333		79	30-130	2	30	
2,4,6-Trichlorophenol	2.47	0.333	mg/kg wet	3.333		74	30-130	2	30	
2,4-Dichlorophenol	2.45	0.333	mg/kg wet	3.333		74	30-130	0.7	30	
2,4-Dimethylphenol	2.40	0.333	mg/kg wet	3.333		72	30-130	5	30	
2,4-Dinitrophenol	2.62	1.67	mg/kg wet	3.333		79	30-130	2	30	
2,4-Dinitrotoluene	2.86	0.333	mg/kg wet	3.333		86	40-140	2	30	
2,6-Dinitrotoluene	2.68	0.333	mg/kg wet	3.333		80	40-140	1	30	
2-Chloronaphthalene	2.36	0.333	mg/kg wet	3.333		71	40-140	1	30	
2-Chlorophenol	2.42	0.333	mg/kg wet	3.333		73	30-130	4	30	
2-Methylnaphthalene	2.30	0.333	mg/kg wet	3.333		69	40-140	3	30	
2-Methylphenol	2.45	0.333	mg/kg wet	3.333		73	30-130	2	30	
2-Nitroaniline	2.87	0.333	mg/kg wet	3.333		86	40-140	2	30	
2-Nitrophenol	2.19	0.333	mg/kg wet	3.333		66	30-130	2	30	
3,3´-Dichlorobenzidine	2.17	0.667	mg/kg wet	3.333		65	40-140	1	30	
3+4-Methylphenol	5.13	0.667	mg/kg wet	6.667		77	30-130	3	30	
3-Nitroaniline	2.55	0.333	mg/kg wet	3.333		77	40-140	0.3	30	
4,6-Dinitro-2-Methylphenol	2.78	1.67	mg/kg wet	3.333		83	30-130	4	30	
4-Bromophenyl-phenylether	2.65	0.333	mg/kg wet	3.333		80	40-140	2	30	
4-Chloro-3-Methylphenol	2.74	0.333	mg/kg wet	3.333		82	30-130	2	30	
4-Chloroaniline	1.53	0.667	mg/kg wet	3.333		46	40-140	5	30	
4-Chloro-phenyl-phenyl ether	2.63	0.333	mg/kg wet	3.333		79	40-140	1	30	
4-Nitroaniline	2.54	0.333	mg/kg wet	3.333		76	40-140	1	30	
4-Nitrophenol	2.71	1.67	mg/kg wet	3.333		81	30-130	3	30	
Acenaphthene	2.42	0.333	mg/kg wet	3.333		73	40-140	2	30	
Acenaphthylene	2.42	0.333	mg/kg wet	3.333		72	40-140	2	30	
Acetophenone	2.46	0.667	mg/kg wet	3.333		74	40-140	3	30	
Aniline	1.65	0.667	mg/kg wet	3.333		49	40-140	5	30	
Anthracene	2.75	0.333	mg/kg wet	3.333		83	40-140	0.04	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CK92554 - 3546										
Azobenzene	3.01	0.333	mg/kg wet	3.333		90	40-140	2	30	
Benzo(a)anthracene	2.93	0.333	mg/kg wet	3.333		88	40-140	3	30	
Benzo(a)pyrene	2.78	0.167	mg/kg wet	3.333		83	40-140	2	30	
Benzo(b)fluoranthene	2.95	0.333	mg/kg wet	3.333		89	40-140	8	30	
Benzo(g,h,i)perylene	2.77	0.333	mg/kg wet	3.333		83	40-140	2	30	
Benzo(k)fluoranthene	3.00	0.333	mg/kg wet	3.333		90	40-140	11	30	
Benzoic Acid	2.46	1.67	mg/kg wet	3.333		74	40-140	12	30	
Benzyl Alcohol	1.60	0.333	mg/kg wet	3.333		48	40-140	0.1	30	
bis(2-Chloroethoxy)methane	2.33	0.333	mg/kg wet	3.333		70	40-140	1	30	
bis(2-Chloroethyl)ether	2.51	0.333	mg/kg wet	3.333		75	40-140	6	30	
bis(2-chloroisopropyl)Ether	2.28	0.333	mg/kg wet	3.333		68	40-140	6	30	
bis(2-Ethylhexyl)phthalate	3.24	0.333	mg/kg wet	3.333		97	40-140	3	30	
Butylbenzylphthalate	3.25	0.333	mg/kg wet	3.333		97	40-140	4	30	
Carbazole	2.82	0.333	mg/kg wet	3.333		85	40-140	1	30	
Chrysene	2.93	0.167	mg/kg wet	3.333		88	40-140	4	30	
Dibenzo(a,h)Anthracene	2.83	0.167	mg/kg wet	3.333		85	40-140	2	30	
Dibenzofuran	2.52	0.333	mg/kg wet	3.333		76	40-140	1	30	
Diethylphthalate	2.92	0.333	mg/kg wet	3.333		88	40-140	2	30	
Dimethylphthalate	2.74	0.333	mg/kg wet	3.333		82	40-140	0.1	30	
Di-n-butylphthalate	3.06	0.333	mg/kg wet	3.333		92	40-140	0.8	30	
Di-n-octylphthalate	3.36	0.333	mg/kg wet	3.333		101	40-140	1	30	
Fluoranthene	2.78	0.333	mg/kg wet	3.333		83	40-140	0.9	30	
Fluorene	2.72	0.333	mg/kg wet	3.333		81	40-140	2	30	
Hexachlorobenzene	2.64	0.167	mg/kg wet	3.333		79	40-140	2	30	
Hexachlorobutadiene	2.17	0.333	mg/kg wet	3.333		65	40-140	2	30	
Hexachlorocyclopentadiene	1.71	1.67	mg/kg wet	3.333		51	40-140	2	30	
Hexachloroethane	2.26	0.333	mg/kg wet	3.333		68	40-140	8	30	
Indeno(1,2,3-cd)Pyrene	2.83	0.333	mg/kg wet	3.333		85	40-140	2	30	
Isophorone	2.11	0.333	mg/kg wet	3.333		63	40-140	3	30	
Naphthalene	2.23	0.333	mg/kg wet	3.333		67	40-140	2	30	
Nitrobenzene	2.39	0.333	mg/kg wet	3.333		72	40-140	8	30	
N-Nitrosodimethylamine	2.41	0.333	mg/kg wet	3.333		72	40-140	9	30	
N-Nitroso-Di-n-Propylamine	2.46	0.333	mg/kg wet	3.333		74	40-140	4	30	
N-nitrosodiphenylamine	2.82	0.333	mg/kg wet	3.333		85	40-140	3	30	
Pentachlorophenol	2.84	1.67	mg/kg wet	3.333		85	30-130	3	30	
Phenanthrene	2.76	0.333	mg/kg wet	3.333		83	40-140	3	30	
Phenol	2.37	0.333	mg/kg wet	3.333		71	30-130	5	30	
Pyrene	3.05	0.333	mg/kg wet	3.333		91	40-140	4	30	
Pyridine	2.09	1.67	mg/kg wet	3.333		63	40-140	16	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.19*		mg/kg wet	*3.333*		*66*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.12*		mg/kg wet	*5.000*		*82*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.81*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.37*		mg/kg wet	*3.333*		*71*	*30-130*			
Surrogate: 2-Fluorophenol	*3.90*		mg/kg wet	*5.000*		*78*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.46*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: Phenol-d6	*3.72*		mg/kg wet	*5.000*		*74*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CK92554 - 3546										
Surrogate: p-Terphenyl-d14	*3.03*		mg/kg wet	*3.333*		*91*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project ESS Laboratory Work Order: 19K0808

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
D	Diluted.
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: NGRID Liquefication Project

ESS Laboratory Work Order: 19K0808

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/HDM

Shipped/Delivered Via: Client

ESS Project ID: 19K0808
Date Received: 11/25/2019
Project Due Date: 12/4/2019
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 0.9 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / (NA)
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? Yes / (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA

13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 11/25/19 Time: 1931 By: A

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / (No)
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	416286	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
02	416285	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
03	416284	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
04	416283	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
05	416282	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
06	416281	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
07	416280	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
08	416279	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
09	416278	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
10	416270	Yes	NA	Yes	VOA Vial - Other	Other	
10	416271	Yes	NA	Yes	VOA Vial - Other	Other	
10	416274	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
10	416277	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
11	416268	Yes	NA	Yes	VOA Vial - Other	Other	
11	416269	Yes	NA	Yes	VOA Vial - Other	Other	
11	416273	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
11	416276	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
12	416266	Yes	NA	Yes	VOA Vial - Other	Other	
12	416267	Yes	NA	Yes	VOA Vial - Other	Other	
12	416272	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
12	416275	Yes	NA	Yes	8 oz. Jar - Unpres	NP	

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/HDM

ESS Project ID: 19K0808
Date Received: 11/25/2019

2nd Review

Initials

Were all containers scanned into storage/lab?	Yes / No
Are barcode labels on correct containers?	Yes / No / NA
Are all Flashpoint stickers attached/container ID # circled?	Yes / No / NA
Are all Hex Chrome stickers attached?	Yes / No / NA
Are all QC stickers attached?	Yes / No / NA
Are VOA stickers attached if bubbles noted?	Yes / No / NA

Completed By:		Date & Time:	11/25/19 1825
Reviewed By:		Date & Time:	11/25/19 1935
Delivered By:			11/25/19 1935

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 19K0808

Turn Time	5	Days
Regulatory State	RI	

Reporting Limits

Is this project for any of the following?: ○ CT RCP ○ MA MCP ○ RGP

Electonic Deliverables ☐ Data Checker ☒ Excel ☒ Other (Please Specify →) PDF

Company Name	Project #	Project Name
GZA GeoEnvironmental, Inc.	33554.04	NGRID Liquefication Project

Contact Person	Address	
Sophia Narkiewicz	188 Valley Street, Suite 300	

City	State	Zip Code	PO #
Providence	RI	02909	—

Telephone Number	FAX Number	Email Address
401-427-2737	—	Sophia.Narkiewicz@gza.com

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis: Total Arsenic	VOC via 8260B	SVOC* via 8270D	PP13 Metals**	TPH via 8100M
1	11/25/19	1410	Composite	Soil	Keating - 1.5-inch dense grade - pile B Sample 1	X				
2	11/25/19	1415	composite	Soil	Keating - 1.5-inch dense grade - pile B Sample 2	X				
3	11/25/19	1420	Composite	Soil	Keating - 1.5-inch dense grade - pile B Sample 3	X				
4	11/25/19	1425	composite	Soil	Keating - 1.5-inch dense grade - pile B Sample 4	X				
5	11/25/19	1430	Composite	Soil	Keating - 1.5-inch dense grade - pile B Sample 5	X				
6	11/25/19	1435	composite	Soil	Keating - 1.5-inch dense grade - pile B Sample 6	X				
7	11/25/19	1440	Composite	Soil	Keating - 1.5-inch dense grade - pile B Sample 7	X				
8	11/25/19	1445	composite	Soil	Keating - 1.5-inch dense grade - pile B Sample 8	X				
9	11/25/19	1450	Composite	Soil	Keating - 1.5-inch dense grade - pile B Sample 9	X				
10	11/25/19	1455	Composite	Soil	Keating - 1.5-inch dense grade - pile B Sample 10		X	X	X	X
Container Type:	AC-Air Cassette	AG-Amber Glass	B-BOD Bottle	C-Cubitainer	J-Jar	O-Other	P-Poly	S-Sterile	V-Vial	AG	V	←AG→				
Container Volume:	1-100 mL	2-2.5 gal	3-250 mL	4-300 mL	5-500 mL	6-1L	7-VOA	8-2 oz	9-4 oz	10-8 oz	11-Other*	9	7	←10→				
Preservation Code:	1-Non Preserved	2-HCl	3-H2SO4	4-HNO3	5-NaOH	6-Methanol	7-Na2S2O3	8-ZnAce, NaOH	9-NH4Cl	10-DI H2O	11-Other*	1	2	←1→				
											Number of Containers per Sample:	1	3	←1→				

Laboratory Use Only

Cooler Present: Y ○ Drop Off
Seals Intact: NA ○ Pickup
Cooler Temperature: 0.4 °C

Sampled by: David Thibault

Comments: Please specify "Other" preservative and containers types in this space

* Please run full SVOC list

** Run via Methods 6010 and 7471A

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
David Thibault 11/25/19 16:24	11/25/19 1623		
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

ESS Laboratory

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CHAIN OF CUSTODY

ESS Lab # 19K0808

Turn Time	5	Days	
Regulatory State	RI		

Is this project for any of the following?: ○ CT RCP ○ MA MCP ○ RGP

Reporting Limits

Electonic Deliverables: ☐ Data Checker ☒ Excel ☒ Other (Please Specify →) PDF

Company Name	Project #	Project Name
GZA GeoEnvironmental, Inc.	33554.04	NGRID Liquefication Project

Contact Person	Address
Sophia Narkiewicz	188 Valley St, Suite 300

City	State	Zip Code	PO #
Providence	RI	02909	

Telephone Number	FAX Number	Email Address
401-427-2737		Sophia.narkiew.22@gza.com

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis: VOC via 8260B	SVOC* via 8270D	PP13 Metals**	TPH via 8100M
11	11/25/19	1500	Composite	Soil	Keating-1.5-inch dense grade - pile B Sample 11	X	X	X	X
12	11/25/19	1505	composite	Soil	Keating-1.5-inch dense grade -pile B Sample 12	X	X	X	X

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial — V ← AG →

Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other* — 7 ← 10 →

Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other* — 2 ← 1 →

Number of Containers per Sample: 3 ← 1 →

Laboratory Use Only

Cooler Present: ✓
Seals Intact: NA ○ Drop Off ○ Pickup
Cooler Temperature: 0.1 °C

Sampled by :

Comments: Please specify "Other" preservative and containers types in this space

* Please run full SVOC list

** Run via methods 6010 and 7471A

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
11/25/19 16:24	11/25/19 1623		
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

CERTIFICATE OF ANALYSIS

Sophia Narkiewicz
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: 642 Allens Ave (03.0033554.04)
ESS Laboratory Work Order Number: 19G0613

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 4:15 pm, Jul 26, 2019

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0613

SAMPLE RECEIPT

The following samples were received on July 19, 2019 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	Sample Name	Matrix	Analysis
19G0613-01	071919-AR13	Soil	6010C
19G0613-02	071919-AR14	Soil	6010C
19G0613-03	071919-AR15	Soil	6010C
19G0613-04	071919-AR16	Soil	6010C
19G0613-05	071919-AR17	Soil	6010C
19G0613-06	071919-AR18	Soil	6010C
19G0613-07	071919-AR19	Soil	6010C
19G0613-08	071919-AR20	Soil	6010C
19G0613-09	071919-AR21	Soil	6010C
19G0613-10	071919-AR22	Soil	6010C
19G0613-11	071919-AR23	Soil	6010C
19G0613-12	071919-AR24	Soil	6010C

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0613

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0613

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR13
Date Sampled: 07/19/19 11:20
Percent Solids: 95

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.83** (2.36)		6010C		1	KJK	07/23/19 22:05	2.22	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR14
Date Sampled: 07/19/19 11:25
Percent Solids: 96

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.63** (2.39)		6010C		1	KJK	07/23/19 22:35	2.19	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR15
Date Sampled: 07/19/19 11:30
Percent Solids: 96

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.52** (2.32)		6010C		1	KJK	07/24/19 15:21	2.24	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR16
Date Sampled: 07/19/19 11:35
Percent Solids: 97

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.90** (2.57)		6010C		1	KJK	07/23/19 23:07	2.01	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR17
Date Sampled: 07/19/19 11:40
Percent Solids: 97

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-05
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.11** (2.31)		6010C		1	KJK	07/23/19 23:22	2.24	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR18
Date Sampled: 07/19/19 11:45
Percent Solids: 96

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-06
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.29** (2.34)		6010C		1	KJK	07/23/19 23:26	2.22	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR19
Date Sampled: 07/19/19 11:50
Percent Solids: 95

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-07
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.27** (1.96)		6010C		1	KJK	07/23/19 23:30	2.69	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR20
Date Sampled: 07/19/19 11:55
Percent Solids: 97

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-08
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.77** (2.20)		6010C		1	KJK	07/23/19 23:33	2.35	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR21
Date Sampled: 07/19/19 12:00
Percent Solids: 95

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-09
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.35** (2.30)		6010C		1	KJK	07/23/19 23:37	2.28	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR22
Date Sampled: 07/19/19 12:05
Percent Solids: 94

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-10
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.39** (2.37)		6010C		1	KJK	07/24/19 15:25	2.25	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR23
Date Sampled: 07/19/19 12:10
Percent Solids: 95

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-11
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.36** (2.24)		6010C		1	KJK	07/23/19 23:45	2.34	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 071919-AR24
Date Sampled: 07/19/19 12:15
Percent Solids: 96

ESS Laboratory Work Order: 19G0613
ESS Laboratory Sample ID: 19G0613-12
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.77** (2.46)		6010C		1	KJK	07/23/19 23:49	2.12	100	CG92250

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0613

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CG92250 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
LCS										
Arsenic	125	8.33	mg/kg wet	128.0		98	85-114			
LCS Dup										
Arsenic	127	8.93	mg/kg wet	128.0		99	85-114	1	20	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave ESS Laboratory Work Order: 19G0613

Notes and Definitions

U	Analyte included in the analysis, but not detected
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19G0613

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/HDM

Shipped/Delivered Via: ESS Courier Client 7/19/19

ESS Project ID: 19G0613
Date Received: 7/19/2019
Project Due Date: 7/26/2019
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 1.1 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. Were labs informed about short holds & rushes? Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA

13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: Time: By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	366502	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
02	366501	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
03	366500	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
04	366499	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
05	366498	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
06	366497	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
07	366496	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
08	366495	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
09	366494	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
10	366493	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
11	366492	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
12	366491	Yes	NA	Yes	4 oz. Jar - Unpres	NP	

2nd Review

Were all containers scanned into storage/lab? Initials
Are barcode labels on correct containers? Yes / No
Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA
Are all Hex Chrome stickers attached? Yes / No / NA
Are all QC stickers attached? Yes / No / NA
Are VOA stickers attached if bubbles noted? Yes / No / NA

Completed

ESS Laboratory Sample and Cooler Receipt Checklist

Client:	GZA - Providence, RI - GZA/HDM	ESS Project ID:	19G0613
By:		Date & Time:	7/19/19 1619
Reviewed By:		Date & Time:	7/19/19 1714
Delivered By:			7/19/19 1714

ESS Laboratory
Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.essalaboratory.com

CHAIN OF CUSTODY

ESS Lab # 19Q0613

Turn Time: 5 Days
Regulatory State: RI
Is this project for any of the following?: ○ CT RCP ○ MA MCP ○ RGP
Reporting Limits:
Electonic Deliverables: ☒ Data Checker ☒ Excel ☒ Other (Please Specify →) PDF

Company Name	Project #	Project Name
GZA	33554.04	642 Allens Ave. — FPLP
Contact Person	Task 6.2	**Address**
Lucas Withers		185 Valley St, Suite 300
City	**State**	**Zip Code** / **PO #**
Providence	RI	02909
Telephone Number	**FAX Number**	**Email Address**
607-325-1825		

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis: Arsenic
1	7-19-19	1120	C	Soil	071919-AR13	X
2		1125			071919-AR14	X
3		1130			071919-AR15	X
4		1135			071919-AR16	X
5		1140			071919-AR17	X
6		1145			071919-AR18	X
7		1150			071919-AR19	X
8		1155			071919-AR20	X
9		1200			071919-AR21	X
10		1205			071919-AR22	X

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial — 9
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other* — 9
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other* — 1
Number of Containers per Sample: 1

Laboratory Use Only
Cooler Present: ○ Drop Off
Seals Intact: NA ○ Pickup
Cooler Temperature: 1.1 °C

Sampled by: EMB
Comments: Please specify "Other" preservative and containers types in this space

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
7-19-19 (1300)	7/19/19 1520	7/19/19 1521	7/19/19 1520
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

Page 3 of 4

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
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www.essiaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1990613

Turn Time: 5 Days
Regulatory State: RI
Is this project for any of the following?: ○ CT RCP ○ MA MCP ○ RGP
Reporting Limits
Electonic Deliverables: ☒ Data Checker ☒ Excel ☒ Other (Please Specify →) PDF

Company Name: GZA	Project #: 33554.04 Task 62	Project Name: 642 Allens Ave, - FPLP	
Contact Person: Lucas Withers		Address: 100 Valley St., Suite 300	PO #:
City: Providence	State: RI	Zip Code: 02909	
Telephone Number: 603-325-1835	FAX Number:	Email Address:	

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis: Arsenic
11	7-19-19	1210	C	Soil	071919-AR23	X
12	↓	1215	↓	↓	071919-AR24	X

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*
Number of Containers per Sample:

Laboratory Use Only
Cooler Present: ○ Drop Off
Seals Intact: ○ Pickup
Cooler Temperature: °C

Sampled by: EMB
Comments: Please specify "Other" preservative and containers types in this space

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
7-19-19 (1300)	7/19/19 1521	7/19/19 1521	7/19/19 1520
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

CERTIFICATE OF ANALYSIS

Sophia Narkiewicz
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: 642 Allens Ave (03.0033554)
ESS Laboratory Work Order Number: 19F0752

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 4:59 pm, Jun 28, 2019

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

SAMPLE RECEIPT

The following samples were received on June 21, 2019 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on June 21, 2019 at 16:00.

Lab Number	Sample Name	Matrix	Analysis
19F0752-01	062119-1.5DG	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
19F0752-02	062119-1.5DG-A1	Soil	6010C
19F0752-03	062119-1.5DG-A2	Soil	6010C
19F0752-04	062119-1.5DG-A3	Soil	6010C
19F0752-05	062119-1.5DGA	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
19F0752-06	062119-1.5DGA-A1	Soil	6010C
19F0752-07	062119-1.5DGA-A2	Soil	6010C
19F0752-08	062119-1.5DGA-A3	Soil	6010C

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

CF92443-BSD1 **Blank Spike recovery is above upper control limit (B+).**
Acetone (136% @ 70-130%)

CF92443-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
Acetone (29% @ 25%)

8270D Semi-Volatile Organic Compounds

C9F0401-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (96% @ 80-120%), 4,6-Dinitro-2-Methylphenol (102% @ 80-120%), Benzoic Acid (122% @ 80-120%), Pentachlorophenol (107% @ 80-120%)

C9F0401-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Benzoic Acid (22% @ 20%)

C9F0401-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Hexachlorocyclopentadiene (43% @ 20%), Isophorone (21% @ 20%), N-Nitrosodimethylamine (22% @ 20%)

Total Metals

CF92446-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
Lead (24% @ 20%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG
Date Sampled: 06/21/19 12:00
Percent Solids: 95

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.52)		6010C		1	KJK	06/25/19 5:06	2.33	100	CF92446
Arsenic	**3.12** (2.26)		6010C		1	KJK	06/25/19 5:06	2.33	100	CF92446
Beryllium	**0.46** (0.10)		6010C		1	KJK	06/25/19 5:06	2.33	100	CF92446
Cadmium	ND (0.45)		6010C		1	KJK	06/25/19 5:06	2.33	100	CF92446
Chromium	**19.4** (0.90)		6010C		1	KJK	06/25/19 5:06	2.33	100	CF92446
Copper	**14.4** (2.26)		6010C		1	KJK	06/25/19 5:06	2.33	100	CF92446
Lead	ND (4.52)		6010C		1	KJK	06/25/19 5:06	2.33	100	CF92446
Mercury	ND (0.027)		7471B		1	MKS	06/25/19 11:51	0.76	40	CF92447
Nickel	**11.4** (2.26)		6010C		1	KJK	06/25/19 5:06	2.33	100	CF92446
Selenium	ND (9.04)		6010C		2	KJK	06/25/19 17:18	2.33	100	CF92446
Silver	ND (0.90)		6010C		2	KJK	06/25/19 17:18	2.33	100	CF92446
Thallium	ND (4.52)		6010C		1	KJK	06/25/19 5:06	2.33	100	CF92446
Zinc	**53.9** (2.26)		6010C		1	KJK	06/25/19 5:06	2.33	100	CF92446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG
Date Sampled: 06/21/19 12:00
Percent Solids: 95
Initial Volume: 13.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,1,1-Trichloroethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,1,2,2-Tetrachloroethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,1,2-Trichloroethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,1-Dichloroethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,1-Dichloroethene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,1-Dichloropropene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,2,3-Trichlorobenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,2,3-Trichloropropane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,2,4-Trichlorobenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,2,4-Trimethylbenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,2-Dibromo-3-Chloropropane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,2-Dibromoethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,2-Dichlorobenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,2-Dichloroethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,2-Dichloropropane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,3,5-Trimethylbenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,3-Dichlorobenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,3-Dichloropropane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,4-Dichlorobenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1,4-Dioxane	ND (0.0402)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
1-Chlorohexane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
2,2-Dichloropropane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
2-Butanone	ND (0.0201)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
2-Chlorotoluene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
2-Hexanone	ND (0.0201)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
4-Chlorotoluene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
4-Isopropyltoluene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
4-Methyl-2-Pentanone	ND (0.0201)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Acetone	ND (0.0201)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Benzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Bromobenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG
Date Sampled: 06/21/19 12:00
Percent Solids: 95
Initial Volume: 13.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Bromodichloromethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Bromoform	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Bromomethane	ND (0.0040)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Carbon Disulfide	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Carbon Tetrachloride	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Chlorobenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Chloroethane	ND (0.0040)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Chloroform	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Chloromethane	ND (0.0040)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
cis-1,2-Dichloroethene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
cis-1,3-Dichloropropene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Dibromochloromethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Dibromomethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Dichlorodifluoromethane	ND (0.0040)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Diethyl Ether	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Di-isopropyl ether	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Ethyl tertiary-butyl ether	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Ethylbenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Hexachlorobutadiene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Isopropylbenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Methyl tert-Butyl Ether	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Methylene Chloride	ND (0.0101)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Naphthalene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
n-Butylbenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
n-Propylbenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
sec-Butylbenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Styrene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
tert-Butylbenzene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Tertiary-amyl methyl ether	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Tetrachloroethene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Tetrahydrofuran	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG
Date Sampled: 06/21/19 12:00
Percent Solids: 95
Initial Volume: 13.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
trans-1,2-Dichloroethene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
trans-1,3-Dichloropropene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Trichloroethene	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Trichlorofluoromethane	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Vinyl Acetate	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Vinyl Chloride	ND (0.0040)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Xylene O	ND (0.0020)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Xylene P,M	ND (0.0040)		8260B Low		1	06/24/19 19:50	C9F0395	CF92443
Xylenes (Total)	ND (0.00402)		8260B Low		1	06/24/19 19:50		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*113 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*91 %*		*70-130*
Surrogate: Dibromofluoromethane	*107 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG
Date Sampled: 06/21/19 12:00
Percent Solids: 95
Initial Volume: 19
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 6/24/19 10:45

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (41.6)		8100M		1	06/24/19 16:37	C9F0376	CF92409

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*79 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG
Date Sampled: 06/21/19 12:00
Percent Solids: 95
Initial Volume: 15.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/25/19 11:15

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
1,2,4-Trichlorobenzene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
1,2-Dichlorobenzene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
1,3-Dichlorobenzene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
1,4-Dichlorobenzene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2,3,4,6-Tetrachlorophenol	ND (1.69)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2,4,5-Trichlorophenol	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2,4,6-Trichlorophenol	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2,4-Dichlorophenol	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2,4-Dimethylphenol	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2,4-Dinitrophenol	ND (1.69)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2,4-Dinitrotoluene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2,6-Dinitrotoluene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2-Chloronaphthalene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2-Chlorophenol	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2-Methylnaphthalene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2-Methylphenol	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2-Nitroaniline	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
2-Nitrophenol	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
3,3′-Dichlorobenzidine	ND (0.676)		8270D		1	06/25/19 18:11	C9F0401	CF92514
3+4-Methylphenol	ND (0.676)		8270D		1	06/25/19 18:11	C9F0401	CF92514
3-Nitroaniline	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
4,6-Dinitro-2-Methylphenol	ND (1.69)		8270D		1	06/25/19 18:11	C9F0401	CF92514
4-Bromophenyl-phenylether	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
4-Chloro-3-Methylphenol	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
4-Chloroaniline	ND (0.676)		8270D		1	06/25/19 18:11	C9F0401	CF92514
4-Chloro-phenyl-phenyl ether	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
4-Nitroaniline	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
4-Nitrophenol	ND (1.69)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Acenaphthene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Acenaphthylene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Acetophenone	ND (0.676)		8270D		1	06/25/19 18:11	C9F0401	CF92514

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG
Date Sampled: 06/21/19 12:00
Percent Solids: 95
Initial Volume: 15.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/25/19 11:15

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.676)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Anthracene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Azobenzene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Benzo(a)anthracene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Benzo(a)pyrene	ND (0.169)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Benzo(b)fluoranthene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Benzo(g,h,i)perylene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Benzo(k)fluoranthene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Benzoic Acid	ND (1.69)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Benzyl Alcohol	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
bis(2-Chloroethoxy)methane	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
bis(2-Chloroethyl)ether	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
bis(2-chloroisopropyl)Ether	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
bis(2-Ethylhexyl)phthalate	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Butylbenzylphthalate	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Carbazole	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Chrysene	ND (0.169)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Dibenzo(a,h)Anthracene	ND (0.169)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Dibenzofuran	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Diethylphthalate	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Dimethylphthalate	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Di-n-butylphthalate	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Di-n-octylphthalate	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Fluoranthene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Fluorene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Hexachlorobenzene	ND (0.169)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Hexachlorobutadiene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Hexachlorocyclopentadiene	ND (1.69)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Hexachloroethane	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Indeno(1,2,3-cd)Pyrene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Isophorone	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Naphthalene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG
Date Sampled: 06/21/19 12:00
Percent Solids: 95
Initial Volume: 15.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/25/19 11:15

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
N-Nitrosodimethylamine	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
N-Nitroso-Di-n-Propylamine	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
N-nitrosodiphenylamine	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Pentachlorophenol	ND (1.69)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Phenanthrene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Phenol	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Pyrene	ND (0.337)		8270D		1	06/25/19 18:11	C9F0401	CF92514
Pyridine	ND (1.69)		8270D		1	06/25/19 18:11	C9F0401	CF92514

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*67 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*75 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*72 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*68 %*		*30-130*
Surrogate: 2-Fluorophenol	*63 %*		*30-130*
Surrogate: Nitrobenzene-d5	*62 %*		*30-130*
Surrogate: Phenol-d6	*73 %*		*30-130*
Surrogate: p-Terphenyl-d14	*87 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG-A1
Date Sampled: 06/21/19 12:00
Percent Solids: 95

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.53)		6010C		1	KJK	06/25/19 18:45	2.09	100	CF92446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG-A2
Date Sampled: 06/21/19 12:00
Percent Solids: 95

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.52)		6010C		1	KJK	06/25/19 18:57	2.09	100	CF92446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DG-A3
Date Sampled: 06/21/19 12:00
Percent Solids: 93

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.22** (2.46)		6010C		1	KJK	06/25/19 19:01	2.18	100	CF92446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA
Date Sampled: 06/21/19 12:00
Percent Solids: 93

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-05
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.44)		6010C		1	KJK	06/25/19 5:50	2.42	100	CF92446
Arsenic	**2.61** (2.22)		6010C		1	KJK	06/25/19 19:06	2.42	100	CF92446
Beryllium	**0.44** (0.10)		6010C		1	KJK	06/25/19 19:06	2.42	100	CF92446
Cadmium	ND (0.44)		6010C		1	KJK	06/25/19 5:50	2.42	100	CF92446
Chromium	**23.7** (0.89)		6010C		1	KJK	06/25/19 19:06	2.42	100	CF92446
Copper	**30.1** (2.22)		6010C		1	KJK	06/25/19 5:50	2.42	100	CF92446
Lead	ND (4.44)		6010C		1	KJK	06/25/19 5:50	2.42	100	CF92446
Mercury	ND (0.028)		7471B		1	MKS	06/25/19 12:05	0.76	40	CF92447
Nickel	**15.5** (2.22)		6010C		1	KJK	06/25/19 5:50	2.42	100	CF92446
Selenium	ND (4.44)		6010C		1	KJK	06/25/19 19:06	2.42	100	CF92446
Silver	ND (0.89)		6010C		2	KJK	06/25/19 18:03	2.42	100	CF92446
Thallium	ND (4.44)		6010C		1	KJK	06/25/19 5:50	2.42	100	CF92446
Zinc	**59.3** (2.22)		6010C		1	KJK	06/25/19 5:50	2.42	100	CF92446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA
Date Sampled: 06/21/19 12:00
Percent Solids: 93
Initial Volume: 10.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,1,1-Trichloroethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,1,2,2-Tetrachloroethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,1,2-Trichloroethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,1-Dichloroethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,1-Dichloroethene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,1-Dichloropropene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,2,3-Trichlorobenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,2,3-Trichloropropane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,2,4-Trichlorobenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,2,4-Trimethylbenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,2-Dibromo-3-Chloropropane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,2-Dibromoethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,2-Dichlorobenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,2-Dichloroethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,2-Dichloropropane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,3,5-Trimethylbenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,3-Dichlorobenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,3-Dichloropropane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,4-Dichlorobenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1,4-Dioxane	ND (0.0527)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
1-Chlorohexane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
2,2-Dichloropropane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
2-Butanone	ND (0.0264)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
2-Chlorotoluene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
2-Hexanone	ND (0.0264)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
4-Chlorotoluene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
4-Isopropyltoluene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
4-Methyl-2-Pentanone	ND (0.0264)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Acetone	ND (0.0264)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Benzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Bromobenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA
Date Sampled: 06/21/19 12:00
Percent Solids: 93
Initial Volume: 10.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Bromodichloromethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Bromoform	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Bromomethane	ND (0.0053)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Carbon Disulfide	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Carbon Tetrachloride	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Chlorobenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Chloroethane	ND (0.0053)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Chloroform	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Chloromethane	ND (0.0053)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
cis-1,2-Dichloroethene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
cis-1,3-Dichloropropene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Dibromochloromethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Dibromomethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Dichlorodifluoromethane	ND (0.0053)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Diethyl Ether	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Di-isopropyl ether	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Ethyl tertiary-butyl ether	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Ethylbenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Hexachlorobutadiene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Isopropylbenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Methyl tert-Butyl Ether	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Methylene Chloride	ND (0.0132)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Naphthalene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
n-Butylbenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
n-Propylbenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
sec-Butylbenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Styrene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
tert-Butylbenzene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Tertiary-amyl methyl ether	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Tetrachloroethene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Tetrahydrofuran	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA
Date Sampled: 06/21/19 12:00
Percent Solids: 93
Initial Volume: 10.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
trans-1,2-Dichloroethene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
trans-1,3-Dichloropropene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Trichloroethene	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Trichlorofluoromethane	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Vinyl Acetate	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Vinyl Chloride	ND (0.0053)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Xylene O	ND (0.0026)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Xylene P,M	ND (0.0053)		8260B Low		1	06/24/19 20:16	C9F0395	CF92443
Xylenes (Total)	ND (0.00527)		8260B Low		1	06/24/19 20:16		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*108 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*90 %*		*70-130*
Surrogate: Dibromofluoromethane	*104 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA
Date Sampled: 06/21/19 12:00
Percent Solids: 93
Initial Volume: 19.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 6/24/19 10:45

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (42.2)		8100M		1	06/24/19 17:09	C9F0376	CF92409

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*82 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA
Date Sampled: 06/21/19 12:00
Percent Solids: 93
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/25/19 11:15

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
1,2,4-Trichlorobenzene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
1,2-Dichlorobenzene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
1,3-Dichlorobenzene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
1,4-Dichlorobenzene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2,3,4,6-Tetrachlorophenol	ND (1.87)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2,4,5-Trichlorophenol	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2,4,6-Trichlorophenol	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2,4-Dichlorophenol	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2,4-Dimethylphenol	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2,4-Dinitrophenol	ND (1.87)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2,4-Dinitrotoluene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2,6-Dinitrotoluene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2-Chloronaphthalene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2-Chlorophenol	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2-Methylnaphthalene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2-Methylphenol	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2-Nitroaniline	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
2-Nitrophenol	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
3,3′-Dichlorobenzidine	ND (0.747)		8270D		1	06/25/19 18:38	C9F0401	CF92514
3+4-Methylphenol	ND (0.747)		8270D		1	06/25/19 18:38	C9F0401	CF92514
3-Nitroaniline	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
4,6-Dinitro-2-Methylphenol	ND (1.87)		8270D		1	06/25/19 18:38	C9F0401	CF92514
4-Bromophenyl-phenylether	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
4-Chloro-3-Methylphenol	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
4-Chloroaniline	ND (0.747)		8270D		1	06/25/19 18:38	C9F0401	CF92514
4-Chloro-phenyl-phenyl ether	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
4-Nitroaniline	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
4-Nitrophenol	ND (1.87)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Acenaphthene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Acenaphthylene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Acetophenone	ND (0.747)		8270D		1	06/25/19 18:38	C9F0401	CF92514

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA
Date Sampled: 06/21/19 12:00
Percent Solids: 93
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/25/19 11:15

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.747)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Anthracene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Azobenzene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Benzo(a)anthracene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Benzo(a)pyrene	ND (0.187)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Benzo(b)fluoranthene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Benzo(g,h,i)perylene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Benzo(k)fluoranthene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Benzoic Acid	ND (1.87)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Benzyl Alcohol	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
bis(2-Chloroethoxy)methane	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
bis(2-Chloroethyl)ether	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
bis(2-chloroisopropyl)Ether	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
bis(2-Ethylhexyl)phthalate	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Butylbenzylphthalate	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Carbazole	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Chrysene	ND (0.187)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Dibenzo(a,h)Anthracene	ND (0.187)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Dibenzofuran	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Diethylphthalate	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Dimethylphthalate	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Di-n-butylphthalate	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Di-n-octylphthalate	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Fluoranthene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Fluorene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Hexachlorobenzene	ND (0.187)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Hexachlorobutadiene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Hexachlorocyclopentadiene	ND (1.87)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Hexachloroethane	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Indeno(1,2,3-cd)Pyrene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Isophorone	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Naphthalene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA
Date Sampled: 06/21/19 12:00
Percent Solids: 93
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/25/19 11:15

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
N-Nitrosodimethylamine	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
N-Nitroso-Di-n-Propylamine	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
N-nitrosodiphenylamine	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Pentachlorophenol	ND (1.87)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Phenanthrene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Phenol	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Pyrene	ND (0.373)		8270D		1	06/25/19 18:38	C9F0401	CF92514
Pyridine	ND (1.87)		8270D		1	06/25/19 18:38	C9F0401	CF92514

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*63 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*73 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*64 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*66 %*		*30-130*
Surrogate: 2-Fluorophenol	*57 %*		*30-130*
Surrogate: Nitrobenzene-d5	*58 %*		*30-130*
Surrogate: Phenol-d6	*64 %*		*30-130*
Surrogate: p-Terphenyl-d14	*93 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA-A1
Date Sampled: 06/21/19 12:00
Percent Solids: 94

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-06
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.45)		6010C		1	KJK	06/25/19 19:36	2.18	100	CF92446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA-A2
Date Sampled: 06/21/19 12:00
Percent Solids: 94

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-07
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.76** (2.34)		6010C		1	KJK	06/25/19 19:41	2.28	100	CF92446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 062119-1.5DGA-A3
Date Sampled: 06/21/19 12:00
Percent Solids: 93

ESS Laboratory Work Order: 19F0752
ESS Laboratory Sample ID: 19F0752-08
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.26)		6010C		1	KJK	06/25/19 20:00	2.38	100	CF92446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CF92446 - 3050B										
Blank										
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	5.00	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	37.0	16.7	mg/kg wet	42.40		87	80-120			
Arsenic	108	8.33	mg/kg wet	128.0		84	80-120			
Beryllium	192	0.37	mg/kg wet	217.0		88	80-120			
Cadmium	80.0	1.67	mg/kg wet	99.00		81	80-120			
Chromium	100	3.33	mg/kg wet	116.0		87	80-120			
Copper	75.0	8.33	mg/kg wet	89.60		84	80-120			
Lead	247	16.7	mg/kg wet	277.0		89	80-120			
Nickel	103	8.33	mg/kg wet	107.0		96	80-120			
Selenium	212	16.7	mg/kg wet	242.0		88	80-120			
Silver	55.8	1.67	mg/kg wet	64.30		87	80-120			
Thallium	162	16.7	mg/kg wet	183.0		89	80-120			
Zinc	468	8.33	mg/kg wet	561.0		83	80-120			
LCS Dup										
Antimony	43.9	19.2	mg/kg wet	42.40		104	80-120	17	20	
Arsenic	140	9.62	mg/kg wet	128.0		109	80-120	25	20	
Beryllium	242	0.42	mg/kg wet	217.0		111	80-120	23	20	
Cadmium	103	1.92	mg/kg wet	99.00		105	80-120	26	20	
Chromium	136	3.85	mg/kg wet	116.0		117	80-120	30	20	
Copper	101	9.62	mg/kg wet	89.60		112	80-120	29	20	
Lead	314	19.2	mg/kg wet	277.0		113	80-120	24	20	D+
Nickel	126	9.62	mg/kg wet	107.0		118	80-120	21	20	
Selenium	222	19.2	mg/kg wet	242.0		92	80-120	4	20	
Silver	76.8	1.92	mg/kg wet	64.30		119	80-120	32	20	
Thallium	205	19.2	mg/kg wet	183.0		112	80-120	23	20	
Zinc	635	9.62	mg/kg wet	561.0		113	80-120	30	20	
Batch CF92447 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	11.5	0.917	mg/kg wet	16.80		68	51-105			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CF92447 - 7471B										
LCS Dup										
Mercury	13.5	0.971	mg/kg wet	16.80		80	51-105	16	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch CF92443 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CF92443 - 5035										
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0513*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0453*		mg/kg wet	*0.05000*		*91*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0511*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.0493*		mg/kg wet	*0.05000*		*99*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			
1,1,1-Trichloroethane	0.0593	0.0050	mg/kg wet	0.05000		119	70-130			
1,1,2,2-Tetrachloroethane	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
1,1,2-Trichloroethane	0.0553	0.0050	mg/kg wet	0.05000		111	70-130			
1,1-Dichloroethane	0.0569	0.0050	mg/kg wet	0.05000		114	70-130			
1,1-Dichloroethene	0.0550	0.0050	mg/kg wet	0.05000		110	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CF92443 - 5035										
1,1-Dichloropropene	0.0552	0.0050	mg/kg wet	0.05000		110	70-130			
1,2,3-Trichlorobenzene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
1,2,3-Trichloropropane	0.0504	0.0050	mg/kg wet	0.05000		101	70-130			
1,2,4-Trichlorobenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
1,2,4-Trimethylbenzene	0.0525	0.0050	mg/kg wet	0.05000		105	70-130			
1,2-Dibromo-3-Chloropropane	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
1,2-Dibromoethane	0.0539	0.0050	mg/kg wet	0.05000		108	70-130			
1,2-Dichlorobenzene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
1,2-Dichloroethane	0.0577	0.0050	mg/kg wet	0.05000		115	70-130			
1,2-Dichloropropane	0.0546	0.0050	mg/kg wet	0.05000		109	70-130			
1,3,5-Trimethylbenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
1,3-Dichlorobenzene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
1,3-Dichloropropane	0.0554	0.0050	mg/kg wet	0.05000		111	70-130			
1,4-Dichlorobenzene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
1,4-Dioxane	0.893	0.100	mg/kg wet	1.000		89	70-130			
1-Chlorohexane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
2,2-Dichloropropane	0.0586	0.0050	mg/kg wet	0.05000		117	70-130			
2-Butanone	0.272	0.0500	mg/kg wet	0.2500		109	70-130			
2-Chlorotoluene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
2-Hexanone	0.261	0.0500	mg/kg wet	0.2500		104	70-130			
4-Chlorotoluene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
4-Isopropyltoluene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130			
4-Methyl-2-Pentanone	0.256	0.0500	mg/kg wet	0.2500		102	70-130			
Acetone	0.254	0.0500	mg/kg wet	0.2500		102	70-130			
Benzene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130			
Bromobenzene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
Bromochloromethane	0.0539	0.0050	mg/kg wet	0.05000		108	70-130			
Bromodichloromethane	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
Bromoform	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
Bromomethane	0.0544	0.0100	mg/kg wet	0.05000		109	70-130			
Carbon Disulfide	0.0580	0.0050	mg/kg wet	0.05000		116	70-130			
Carbon Tetrachloride	0.0551	0.0050	mg/kg wet	0.05000		110	70-130			
Chlorobenzene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
Chloroethane	0.0534	0.0100	mg/kg wet	0.05000		107	70-130			
Chloroform	0.0561	0.0050	mg/kg wet	0.05000		112	70-130			
Chloromethane	0.0575	0.0100	mg/kg wet	0.05000		115	70-130			
cis-1,2-Dichloroethene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130			
cis-1,3-Dichloropropene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			
Dibromochloromethane	0.0501	0.0050	mg/kg wet	0.05000		100	70-130			
Dibromomethane	0.0556	0.0050	mg/kg wet	0.05000		111	70-130			
Dichlorodifluoromethane	0.0577	0.0100	mg/kg wet	0.05000		115	70-130			
Diethyl Ether	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
Di-isopropyl ether	0.0538	0.0050	mg/kg wet	0.05000		108	70-130			
Ethyl tertiary-butyl ether	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
Ethylbenzene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CF92443 - 5035										
Hexachlorobutadiene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130			
Isopropylbenzene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
Methyl tert-Butyl Ether	0.0551	0.0050	mg/kg wet	0.05000		110	70-130			
Methylene Chloride	0.0505	0.0250	mg/kg wet	0.05000		101	70-130			
Naphthalene	0.0487	0.0050	mg/kg wet	0.05000		97	70-130			
n-Butylbenzene	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
n-Propylbenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
sec-Butylbenzene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
Styrene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
tert-Butylbenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
Tertiary-amyl methyl ether	0.0533	0.0050	mg/kg wet	0.05000		107	70-130			
Tetrachloroethene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
Tetrahydrofuran	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
Toluene	0.0528	0.0050	mg/kg wet	0.05000		106	70-130			
trans-1,2-Dichloroethene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
trans-1,3-Dichloropropene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
Trichloroethene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130			
Trichlorofluoromethane	0.0581	0.0050	mg/kg wet	0.05000		116	70-130			
Vinyl Acetate	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
Vinyl Chloride	0.0566	0.0100	mg/kg wet	0.05000		113	70-130			
Xylene O	0.0528	0.0050	mg/kg wet	0.05000		106	70-130			
Xylene P,M	0.105	0.0100	mg/kg wet	0.1000		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0496*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0489*		mg/kg wet	*0.05000*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0507*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0500*		mg/kg wet	*0.05000*		*100*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	1	25	
1,1,1-Trichloroethane	0.0617	0.0050	mg/kg wet	0.05000		123	70-130	4	25	
1,1,2,2-Tetrachloroethane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	7	25	
1,1,2-Trichloroethane	0.0569	0.0050	mg/kg wet	0.05000		114	70-130	3	25	
1,1-Dichloroethane	0.0590	0.0050	mg/kg wet	0.05000		118	70-130	4	25	
1,1-Dichloroethene	0.0581	0.0050	mg/kg wet	0.05000		116	70-130	5	25	
1,1-Dichloropropene	0.0581	0.0050	mg/kg wet	0.05000		116	70-130	5	25	
1,2,3-Trichlorobenzene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	7	25	
1,2,3-Trichloropropane	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	7	25	
1,2,4-Trichlorobenzene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	7	25	
1,2,4-Trimethylbenzene	0.0558	0.0050	mg/kg wet	0.05000		112	70-130	6	25	
1,2-Dibromo-3-Chloropropane	0.0550	0.0050	mg/kg wet	0.05000		110	70-130	8	25	
1,2-Dibromoethane	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	2	25	
1,2-Dichlorobenzene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	6	25	
1,2-Dichloroethane	0.0587	0.0050	mg/kg wet	0.05000		117	70-130	2	25	
1,2-Dichloropropane	0.0557	0.0050	mg/kg wet	0.05000		111	70-130	2	25	
1,3,5-Trimethylbenzene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	7	25	
1,3-Dichlorobenzene	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	7	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CF92443 - 5035										
1,3-Dichloropropane	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	2	25	
1,4-Dichlorobenzene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	5	25	
1,4-Dioxane	0.998	0.100	mg/kg wet	1.000		100	70-130	11	20	
1-Chlorohexane	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	5	25	
2,2-Dichloropropane	0.0604	0.0050	mg/kg wet	0.05000		121	70-130	3	25	
2-Butanone	0.300	0.0500	mg/kg wet	0.2500		120	70-130	10	25	
2-Chlorotoluene	0.0528	0.0050	mg/kg wet	0.05000		106	70-130	7	25	
2-Hexanone	0.288	0.0500	mg/kg wet	0.2500		115	70-130	10	25	
4-Chlorotoluene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	6	25	
4-Isopropyltoluene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	7	25	
4-Methyl-2-Pentanone	0.267	0.0500	mg/kg wet	0.2500		107	70-130	4	25	
Acetone	0.340	0.0500	mg/kg wet	0.2500		136	70-130	29	25	B+, D+
Benzene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	4	25	
Bromobenzene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	6	25	
Bromochloromethane	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	3	25	
Bromodichloromethane	0.0554	0.0050	mg/kg wet	0.05000		111	70-130	2	25	
Bromoform	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	3	25	
Bromomethane	0.0545	0.0100	mg/kg wet	0.05000		109	70-130	0.07	25	
Carbon Disulfide	0.0603	0.0050	mg/kg wet	0.05000		121	70-130	4	25	
Carbon Tetrachloride	0.0565	0.0050	mg/kg wet	0.05000		113	70-130	3	25	
Chlorobenzene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	3	25	
Chloroethane	0.0555	0.0100	mg/kg wet	0.05000		111	70-130	4	25	
Chloroform	0.0568	0.0050	mg/kg wet	0.05000		114	70-130	1	25	
Chloromethane	0.0589	0.0100	mg/kg wet	0.05000		118	70-130	3	25	
cis-1,2-Dichloroethene	0.0578	0.0050	mg/kg wet	0.05000		116	70-130	3	25	
cis-1,3-Dichloropropene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	3	25	
Dibromochloromethane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130	2	25	
Dibromomethane	0.0570	0.0050	mg/kg wet	0.05000		114	70-130	3	25	
Dichlorodifluoromethane	0.0586	0.0100	mg/kg wet	0.05000		117	70-130	1	25	
Diethyl Ether	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	4	25	
Di-isopropyl ether	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	3	25	
Ethyl tertiary-butyl ether	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	3	25	
Ethylbenzene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	3	25	
Hexachlorobutadiene	0.0552	0.0050	mg/kg wet	0.05000		110	70-130	5	25	
Isopropylbenzene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	8	25	
Methyl tert-Butyl Ether	0.0573	0.0050	mg/kg wet	0.05000		115	70-130	4	25	
Methylene Chloride	0.0510	0.0250	mg/kg wet	0.05000		102	70-130	1	25	
Naphthalene	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	10	25	
n-Butylbenzene	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	7	25	
n-Propylbenzene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	7	25	
sec-Butylbenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	6	25	
Styrene	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	1	25	
tert-Butylbenzene	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	7	25	
Tertiary-amyl methyl ether	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	3	25	
Tetrachloroethene	0.0558	0.0050	mg/kg wet	0.05000		112	70-130	7	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CF92443 - 5035										
Tetrahydrofuran	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	4	25	
Toluene	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	4	25	
trans-1,2-Dichloroethene	0.0568	0.0050	mg/kg wet	0.05000		114	70-130	4	25	
trans-1,3-Dichloropropene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	2	25	
Trichloroethene	0.0565	0.0050	mg/kg wet	0.05000		113	70-130	3	25	
Trichlorofluoromethane	0.0603	0.0050	mg/kg wet	0.05000		121	70-130	4	25	
Vinyl Acetate	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	5	25	
Vinyl Chloride	0.0587	0.0100	mg/kg wet	0.05000		117	70-130	4	25	
Xylene O	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	2	25	
Xylene P,M	0.109	0.0100	mg/kg wet	0.1000		109	70-130	4	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0477*		mg/kg wet	*0.05000*		*95*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0466*		mg/kg wet	*0.05000*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0490*		mg/kg wet	*0.05000*		*98*	*70-130*			
Surrogate: Toluene-d8	*0.0486*		mg/kg wet	*0.05000*		*97*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch CF92409 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.09*		mg/kg wet	*5.000*		*82*	*40-140*			
LCS										
Decane (C10)	1.9	0.2	mg/kg wet	2.500		75	40-140			
Docosane (C22)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Dodecane (C12)	1.9	0.2	mg/kg wet	2.500		78	40-140			
Eicosane (C20)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Hexacosane (C26)	2.0	0.2	mg/kg wet	2.500		82	40-140			
Hexadecane (C16)	2.0	0.2	mg/kg wet	2.500		80	40-140			
Nonadecane (C19)	2.1	0.2	mg/kg wet	2.500		86	40-140			
Nonane (C9)	1.7	0.2	mg/kg wet	2.500		67	30-140			
Octacosane (C28)	2.0	0.2	mg/kg wet	2.500		81	40-140			
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		83	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CF92409 - 3546										
Tetracosane (C24)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		78	40-140			
Total Petroleum Hydrocarbons	28.0	37.5	mg/kg wet	35.00		80	40-140			
Triacontane (C30)	2.0	0.2	mg/kg wet	2.500		80	40-140			
Surrogate: O-Terphenyl	*4.29*		mg/kg wet	*5.000*		*86*	*40-140*			
LCS Dup										
Decane (C10)	2.0	0.2	mg/kg wet	2.500		80	40-140	6	25	
Docosane (C22)	2.1	0.2	mg/kg wet	2.500		86	40-140	1	25	
Dodecane (C12)	2.1	0.2	mg/kg wet	2.500		84	40-140	7	25	
Eicosane (C20)	2.1	0.2	mg/kg wet	2.500		86	40-140	2	25	
Hexacosane (C26)	2.1	0.2	mg/kg wet	2.500		82	40-140	0.8	25	
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		84	40-140	6	25	
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		87	40-140	2	25	
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		71	30-140	5	25	
Octacosane (C28)	2.0	0.2	mg/kg wet	2.500		81	40-140	0.1	25	
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		85	40-140	3	25	
Tetracosane (C24)	2.1	0.2	mg/kg wet	2.500		85	40-140	1	25	
Tetradecane (C14)	2.1	0.2	mg/kg wet	2.500		84	40-140	7	25	
Total Petroleum Hydrocarbons	28.8	37.5	mg/kg wet	35.00		82	40-140	3	25	
Triacontane (C30)	2.0	0.2	mg/kg wet	2.500		79	40-140	0.8	25	
Surrogate: O-Terphenyl	*4.32*		mg/kg wet	*5.000*		*86*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch CF92514 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							

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Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF92514 - 3546										
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.333	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.167	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF92514 - 3546										
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.76*		mg/kg wet	*3.333*		*83*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.10*		mg/kg wet	*5.000*		*82*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.24*		mg/kg wet	*5.000*		*85*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.99*		mg/kg wet	*3.333*		*90*	*30-130*			
Surrogate: 2-Fluorophenol	*3.90*		mg/kg wet	*5.000*		*78*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.65*		mg/kg wet	*3.333*		*79*	*30-130*			
Surrogate: Phenol-d6	*4.14*		mg/kg wet	*5.000*		*83*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.67*		mg/kg wet	*3.333*		*110*	*30-130*			
LCS										
1,1-Biphenyl	2.38	0.333	mg/kg wet	3.333		72	40-140			
1,2,4-Trichlorobenzene	2.49	0.333	mg/kg wet	3.333		75	40-140			
1,2-Dichlorobenzene	2.28	0.333	mg/kg wet	3.333		68	40-140			
1,3-Dichlorobenzene	2.26	0.333	mg/kg wet	3.333		68	40-140			
1,4-Dichlorobenzene	2.27	0.333	mg/kg wet	3.333		68	40-140			
2,3,4,6-Tetrachlorophenol	2.45	1.67	mg/kg wet	3.333		73	30-130			
2,4,5-Trichlorophenol	2.48	0.333	mg/kg wet	3.333		75	30-130			
2,4,6-Trichlorophenol	2.41	0.333	mg/kg wet	3.333		72	30-130			
2,4-Dichlorophenol	2.60	0.333	mg/kg wet	3.333		78	30-130			
2,4-Dimethylphenol	2.49	0.333	mg/kg wet	3.333		75	30-130			
2,4-Dinitrophenol	2.48	1.67	mg/kg wet	3.333		74	30-130			
2,4-Dinitrotoluene	2.84	0.333	mg/kg wet	3.333		85	40-140			
2,6-Dinitrotoluene	2.49	0.333	mg/kg wet	3.333		75	40-140			
2-Chloronaphthalene	2.54	0.333	mg/kg wet	3.333		76	40-140			
2-Chlorophenol	2.38	0.333	mg/kg wet	3.333		71	30-130			
2-Methylnaphthalene	2.32	0.333	mg/kg wet	3.333		70	40-140			
2-Methylphenol	2.35	0.333	mg/kg wet	3.333		71	30-130			
2-Nitroaniline	1.96	0.333	mg/kg wet	3.333		59	40-140			
2-Nitrophenol	2.56	0.333	mg/kg wet	3.333		77	30-130			
3,3´-Dichlorobenzidine	2.36	0.667	mg/kg wet	3.333		71	40-140			
3+4-Methylphenol	4.92	0.667	mg/kg wet	6.667		74	30-130			
3-Nitroaniline	2.13	0.333	mg/kg wet	3.333		64	40-140			
4,6-Dinitro-2-Methylphenol	2.80	1.67	mg/kg wet	3.333		84	30-130			
4-Bromophenyl-phenylether	2.57	0.333	mg/kg wet	3.333		77	40-140			
4-Chloro-3-Methylphenol	2.61	0.333	mg/kg wet	3.333		78	30-130			
4-Chloroaniline	2.31	0.667	mg/kg wet	3.333		69	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF92514 - 3546										
4-Chloro-phenyl-phenyl ether	2.63	0.333	mg/kg wet	3.333		79	40-140			
4-Nitroaniline	2.18	0.333	mg/kg wet	3.333		65	40-140			
4-Nitrophenol	2.44	1.67	mg/kg wet	3.333		73	30-130			
Acenaphthene	2.44	0.333	mg/kg wet	3.333		73	40-140			
Acenaphthylene	2.34	0.333	mg/kg wet	3.333		70	40-140			
Acetophenone	2.26	0.667	mg/kg wet	3.333		68	40-140			
Aniline	2.01	0.667	mg/kg wet	3.333		60	40-140			
Anthracene	2.52	0.333	mg/kg wet	3.333		76	40-140			
Azobenzene	2.25	0.333	mg/kg wet	3.333		67	40-140			
Benzo(a)anthracene	2.82	0.333	mg/kg wet	3.333		85	40-140			
Benzo(a)pyrene	2.63	0.167	mg/kg wet	3.333		79	40-140			
Benzo(b)fluoranthene	2.66	0.333	mg/kg wet	3.333		80	40-140			
Benzo(g,h,i)perylene	2.65	0.333	mg/kg wet	3.333		80	40-140			
Benzo(k)fluoranthene	2.74	0.333	mg/kg wet	3.333		82	40-140			
Benzoic Acid	3.16	1.67	mg/kg wet	3.333		95	40-140			
Benzyl Alcohol	1.88	0.333	mg/kg wet	3.333		57	40-140			
bis(2-Chloroethoxy)methane	2.30	0.333	mg/kg wet	3.333		69	40-140			
bis(2-Chloroethyl)ether	2.20	0.333	mg/kg wet	3.333		66	40-140			
bis(2-chloroisopropyl)Ether	2.04	0.333	mg/kg wet	3.333		61	40-140			
bis(2-Ethylhexyl)phthalate	2.90	0.333	mg/kg wet	3.333		87	40-140			
Butylbenzylphthalate	2.82	0.333	mg/kg wet	3.333		85	40-140			
Carbazole	2.50	0.333	mg/kg wet	3.333		75	40-140			
Chrysene	2.66	0.167	mg/kg wet	3.333		80	40-140			
Dibenzo(a,h)Anthracene	2.62	0.167	mg/kg wet	3.333		78	40-140			
Dibenzofuran	2.39	0.333	mg/kg wet	3.333		72	40-140			
Diethylphthalate	2.68	0.333	mg/kg wet	3.333		80	40-140			
Dimethylphthalate	2.54	0.333	mg/kg wet	3.333		76	40-140			
Di-n-butylphthalate	2.68	0.333	mg/kg wet	3.333		80	40-140			
Di-n-octylphthalate	3.05	0.333	mg/kg wet	3.333		92	40-140			
Fluoranthene	2.58	0.333	mg/kg wet	3.333		77	40-140			
Fluorene	2.46	0.333	mg/kg wet	3.333		74	40-140			
Hexachlorobenzene	2.54	0.167	mg/kg wet	3.333		76	40-140			
Hexachlorobutadiene	2.64	0.333	mg/kg wet	3.333		79	40-140			
Hexachlorocyclopentadiene	2.22	1.67	mg/kg wet	3.333		67	40-140			
Hexachloroethane	2.27	0.333	mg/kg wet	3.333		68	40-140			
Indeno(1,2,3-cd)Pyrene	2.44	0.333	mg/kg wet	3.333		73	40-140			
Isophorone	2.27	0.333	mg/kg wet	3.333		68	40-140			
Naphthalene	2.32	0.333	mg/kg wet	3.333		70	40-140			
Nitrobenzene	2.36	0.333	mg/kg wet	3.333		71	40-140			
N-Nitrosodimethylamine	1.77	0.333	mg/kg wet	3.333		53	40-140			
N-Nitroso-Di-n-Propylamine	2.38	0.333	mg/kg wet	3.333		71	40-140			
N-nitrosodiphenylamine	2.01	0.333	mg/kg wet	3.333		60	40-140			
Pentachlorophenol	2.75	1.67	mg/kg wet	3.333		82	30-130			
Phenanthrene	2.39	0.333	mg/kg wet	3.333		72	40-140			
Phenol	2.33	0.333	mg/kg wet	3.333		70	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF92514 - 3546										
Pyrene	2.93	0.333	mg/kg wet	3.333		88	40-140			
Pyridine	1.82	1.67	mg/kg wet	3.333		55	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.68*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.17*		mg/kg wet	*5.000*		*83*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.26*		mg/kg wet	*5.000*		*85*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.98*		mg/kg wet	*3.333*		*90*	*30-130*			
Surrogate: 2-Fluorophenol	*3.78*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.70*		mg/kg wet	*3.333*		*81*	*30-130*			
Surrogate: Phenol-d6	*4.12*		mg/kg wet	*5.000*		*82*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.58*		mg/kg wet	*3.333*		*107*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.38	0.333	mg/kg wet	3.333		71	40-140	0.3	30	
1,2,4-Trichlorobenzene	2.48	0.333	mg/kg wet	3.333		74	40-140	0.2	30	
1,2-Dichlorobenzene	2.35	0.333	mg/kg wet	3.333		70	40-140	3	30	
1,3-Dichlorobenzene	2.32	0.333	mg/kg wet	3.333		70	40-140	3	30	
1,4-Dichlorobenzene	2.33	0.333	mg/kg wet	3.333		70	40-140	2	30	
2,3,4,6-Tetrachlorophenol	2.68	1.67	mg/kg wet	3.333		80	30-130	9	30	
2,4,5-Trichlorophenol	2.57	0.333	mg/kg wet	3.333		77	30-130	3	30	
2,4,6-Trichlorophenol	2.43	0.333	mg/kg wet	3.333		73	30-130	1	30	
2,4-Dichlorophenol	2.58	0.333	mg/kg wet	3.333		78	30-130	0.7	30	
2,4-Dimethylphenol	2.46	0.333	mg/kg wet	3.333		74	30-130	0.8	30	
2,4-Dinitrophenol	2.70	1.67	mg/kg wet	3.333		81	30-130	8	30	
2,4-Dinitrotoluene	3.04	0.333	mg/kg wet	3.333		91	40-140	7	30	
2,6-Dinitrotoluene	2.75	0.333	mg/kg wet	3.333		83	40-140	10	30	
2-Chloronaphthalene	2.50	0.333	mg/kg wet	3.333		75	40-140	2	30	
2-Chlorophenol	2.41	0.333	mg/kg wet	3.333		72	30-130	2	30	
2-Methylnaphthalene	2.28	0.333	mg/kg wet	3.333		68	40-140	2	30	
2-Methylphenol	2.40	0.333	mg/kg wet	3.333		72	30-130	2	30	
2-Nitroaniline	2.05	0.333	mg/kg wet	3.333		61	40-140	4	30	
2-Nitrophenol	2.53	0.333	mg/kg wet	3.333		76	30-130	1	30	
3,3´-Dichlorobenzidine	2.45	0.667	mg/kg wet	3.333		74	40-140	4	30	
3+4-Methylphenol	4.97	0.667	mg/kg wet	6.667		75	30-130	1	30	
3-Nitroaniline	2.30	0.333	mg/kg wet	3.333		69	40-140	8	30	
4,6-Dinitro-2-Methylphenol	2.87	1.67	mg/kg wet	3.333		86	30-130	2	30	
4-Bromophenyl-phenylether	2.54	0.333	mg/kg wet	3.333		76	40-140	1	30	
4-Chloro-3-Methylphenol	2.65	0.333	mg/kg wet	3.333		79	30-130	1	30	
4-Chloroaniline	2.32	0.667	mg/kg wet	3.333		69	40-140	0.3	30	
4-Chloro-phenyl-phenyl ether	2.68	0.333	mg/kg wet	3.333		80	40-140	2	30	
4-Nitroaniline	2.25	0.333	mg/kg wet	3.333		68	40-140	3	30	
4-Nitrophenol	2.60	1.67	mg/kg wet	3.333		78	30-130	6	30	
Acenaphthene	2.50	0.333	mg/kg wet	3.333		75	40-140	3	30	
Acenaphthylene	2.41	0.333	mg/kg wet	3.333		72	40-140	3	30	
Acetophenone	2.29	0.667	mg/kg wet	3.333		69	40-140	1	30	
Aniline	2.05	0.667	mg/kg wet	3.333		61	40-140	2	30	
Anthracene	2.60	0.333	mg/kg wet	3.333		78	40-140	3	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF92514 - 3546										
Azobenzene	2.20	0.333	mg/kg wet	3.333		66	40-140	2	30	
Benzo(a)anthracene	2.83	0.333	mg/kg wet	3.333		85	40-140	0.5	30	
Benzo(a)pyrene	2.72	0.167	mg/kg wet	3.333		82	40-140	3	30	
Benzo(b)fluoranthene	3.09	0.333	mg/kg wet	3.333		93	40-140	15	30	
Benzo(g,h,i)perylene	2.60	0.333	mg/kg wet	3.333		78	40-140	2	30	
Benzo(k)fluoranthene	2.44	0.333	mg/kg wet	3.333		73	40-140	12	30	
Benzoic Acid	3.11	1.67	mg/kg wet	3.333		93	40-140	1	30	
Benzyl Alcohol	1.89	0.333	mg/kg wet	3.333		57	40-140	0.3	30	
bis(2-Chloroethoxy)methane	2.25	0.333	mg/kg wet	3.333		67	40-140	2	30	
bis(2-Chloroethyl)ether	2.26	0.333	mg/kg wet	3.333		68	40-140	2	30	
bis(2-chloroisopropyl)Ether	2.12	0.333	mg/kg wet	3.333		63	40-140	4	30	
bis(2-Ethylhexyl)phthalate	2.94	0.333	mg/kg wet	3.333		88	40-140	1	30	
Butylbenzylphthalate	2.71	0.333	mg/kg wet	3.333		81	40-140	4	30	
Carbazole	2.59	0.333	mg/kg wet	3.333		78	40-140	4	30	
Chrysene	2.77	0.167	mg/kg wet	3.333		83	40-140	4	30	
Dibenzo(a,h)Anthracene	2.65	0.167	mg/kg wet	3.333		79	40-140	1	30	
Dibenzofuran	2.41	0.333	mg/kg wet	3.333		72	40-140	1	30	
Diethylphthalate	2.92	0.333	mg/kg wet	3.333		88	40-140	9	30	
Dimethylphthalate	2.70	0.333	mg/kg wet	3.333		81	40-140	6	30	
Di-n-butylphthalate	2.83	0.333	mg/kg wet	3.333		85	40-140	6	30	
Di-n-octylphthalate	3.14	0.333	mg/kg wet	3.333		94	40-140	3	30	
Fluoranthene	2.68	0.333	mg/kg wet	3.333		81	40-140	4	30	
Fluorene	2.62	0.333	mg/kg wet	3.333		79	40-140	6	30	
Hexachlorobenzene	2.52	0.167	mg/kg wet	3.333		76	40-140	1	30	
Hexachlorobutadiene	2.59	0.333	mg/kg wet	3.333		78	40-140	2	30	
Hexachlorocyclopentadiene	2.19	1.67	mg/kg wet	3.333		66	40-140	1	30	
Hexachloroethane	2.39	0.333	mg/kg wet	3.333		72	40-140	5	30	
Indeno(1,2,3-cd)Pyrene	2.46	0.333	mg/kg wet	3.333		74	40-140	0.9	30	
Isophorone	2.28	0.333	mg/kg wet	3.333		68	40-140	0.7	30	
Naphthalene	2.33	0.333	mg/kg wet	3.333		70	40-140	0.2	30	
Nitrobenzene	2.30	0.333	mg/kg wet	3.333		69	40-140	3	30	
N-Nitrosodimethylamine	1.82	0.333	mg/kg wet	3.333		54	40-140	2	30	
N-Nitroso-Di-n-Propylamine	2.39	0.333	mg/kg wet	3.333		72	40-140	0.3	30	
N-nitrosodiphenylamine	1.96	0.333	mg/kg wet	3.333		59	40-140	2	30	
Pentachlorophenol	2.77	1.67	mg/kg wet	3.333		83	30-130	0.7	30	
Phenanthrene	2.44	0.333	mg/kg wet	3.333		73	40-140	2	30	
Phenol	2.34	0.333	mg/kg wet	3.333		70	30-130	0.3	30	
Pyrene	2.79	0.333	mg/kg wet	3.333		84	40-140	5	30	
Pyridine	1.88	1.67	mg/kg wet	3.333		56	40-140	3	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.66*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.12*		mg/kg wet	*5.000*		*82*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.19*		mg/kg wet	*5.000*		*84*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.91*		mg/kg wet	*3.333*		*87*	*30-130*			
Surrogate: 2-Fluorophenol	*3.68*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.58*		mg/kg wet	*3.333*		*77*	*30-130*			
Surrogate: Phenol-d6	*4.02*		mg/kg wet	*5.000*		*80*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CF92514 - 3546										
Surrogate: p-Terphenyl-d14	*3.28*		mg/kg wet	*3.333*		*98*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
D+	Relative percent difference for duplicate is outside of criteria (D+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19F0752

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/HDM

Shipped/Delivered Via: Client

ESS Project ID: 19F0752
Date Received: 6/21/2019
Project Due Date: 6/28/2019
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 4.3 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. Were labs informed about short holds & rushes? Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA
13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 6/21/19 Time: 1600 By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted: Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	359102	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
01	359105	Yes	NA	Yes	VOA Vial - Other	Other	
01	359106	Yes	NA	Yes	VOA Vial - Other	Other	
01	359115	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	359118	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
02	359112	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
03	359111	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
04	359110	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
05	359101	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
05	359103	Yes	NA	Yes	VOA Vial - Other	Other	
05	359104	Yes	NA	Yes	VOA Vial - Other	Other	
05	359113	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
05	359117	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
06	359109	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
07	359108	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
08	359107	Yes	NA	Yes	4 oz. Jar - Unpres	NP	

2nd Review

Were all containers scanned into storage/lab? Initials
Are barcode labels on correct containers? Yes / No
Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA
Are all Hex Chrome stickers attached? Yes / No / NA
Are all QC stickers attached? Yes / No / NA

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/HDM

ESS Project ID: 19F0752

Date Received: 6/21/2019

Are VOA stickers attached if bubbles noted? Yes / No / (NA)

Completed By: _____ Date & Time: 6/21/19 1549

Reviewed By: _____ Date & Time: 6/21/19 1600

Delivered By: _____ 6/21/19 1600

ESS Laboratory
Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 19F0752

Turn Time	5	Days
Regulatory State	RI	
Reporting Limits		

Is this project for any of the following?: ○ CT RCP ○ MA MCP ○ RGP

Electonic Deliverables: ☒ Data Checker ☒ Excel ☑ Other (Please Specify →) PDF

Company Name: GZA	Project #: 33554.04 Task 6.2	Project Name: 642 Allens Ave - FPLP	
Contact Person: Lucas Withers		Address: 188 Valley St. Suite 300	PO #
City: Providence	State: RI	Zip Code: 02909	
Telephone Number: (603) 325-1825	FAX Number	Email Address: Lucas.Withers@gza.com	

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis: VOCs (8260B)	SVOCs (8270D)	TPH (8100 M)	PP-13 Metals	Arsenic	6/10 26/105
1	06-21-19	1200	Composite	Soil	062119-1.5D6	X	X	X	X		X
2					062119-1.5D6-A1					X	
3					062119-1.5D6-A2					X	
4					062119-1.5DL A3					X	
5					062119-1.5D6A	X	X	X	X		X
6					062119-1.5DLA-A1					X	
7					062119-1.5DLA-A2					X	
8					062119-1.5D6A-A3					X	

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial — V | V | AG | AG | AG | AG

Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other* — 7 | 7 | 10 | 10 | 9 | 8

Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other* — 6 | 10 | 1 | 1 | 1 | 1

Number of Containers per Sample: 2 | 4 | 2 | 2 | 6 | 2

Laboratory Use Only

Cooler Present: Y
Seals Intact: NA
Cooler Temperature: 4.3 °C
○ Drop Off ○ Pickup

Sampled by: Lucas Withers

Comments: Please specify "Other" preservative and containers types in this space
National Grid Rates Apply

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
6/21/19, 1415	6/21/19 1419		
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

CERTIFICATE OF ANALYSIS

Sophia Narkiewicz
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: 642 Allens Ave (03.0033554)
ESS Laboratory Work Order Number: 1901548

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 4:54 pm, Jan 28, 2019

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

SAMPLE RECEIPT

The following samples were received on January 25, 2019 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	Sample Name	Matrix	Analysis
1901548-01	012519-COMP	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
1901548-02	012519-A	Soil	6010C
1901548-03	012519-B	Soil	6010C
1901548-04	012519-C	Soil	6010C

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

1901548-01 **Surrogate recovery(ies) above upper control limit (S+).**
1,2-Dichloroethane-d4 (133% @ 70-130%)

CA92502-BS1 **Blank Spike recovery is above upper control limit (B+).**
2,2-Dichloropropane (132% @ 70-130%), Carbon Tetrachloride (132% @ 70-130%)

8270D Semi-Volatile Organic Compounds

C9A0457-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (87% @ 80-120%), Benzoic Acid (87% @ 80-120%), Pentachlorophenol (116% @ 80-120%)

C9A0457-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Hexachlorocyclopentadiene (35% @ 20%)

C9A0457-CCV1 **Initial Calibration Verification recovery is below lower control limit (ICV-).**
Hexachlorocyclopentadiene

CA92512-BS1 **Blank Spike recovery is below lower control limit (B-).**
4-Chloroaniline (38% @ 40-140%)

CA92512-BSD1 **Blank Spike recovery is below lower control limit (B-).**
4-Chloroaniline (38% @ 40-140%)

Total Metals

CA92528-SRM1 **Standard Reference Material is biased low (R-).**
Silver (42% @ 70-130%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 04-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-COMP
Date Sampled: 01/25/19 10:50
Percent Solids: 97

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.82)		6010C		1	KJK	01/28/19 14:49	2.14	100	CA92528
Arsenic	ND (2.41)		6010C		1	KJK	01/28/19 14:49	2.14	100	CA92528
Beryllium	**0.18** (0.11)		6010C		1	KJK	01/26/19 0:42	2.14	100	CA92528
Cadmium	ND (0.48)		6010C		1	KJK	01/26/19 0:42	2.14	100	CA92528
Chromium	**17.5** (0.96)		6010C		1	KJK	01/26/19 0:42	2.14	100	CA92528
Copper	**33.6** (2.41)		6010C		1	KJK	01/26/19 0:42	2.14	100	CA92528
Lead	ND (4.82)		6010C		1	KJK	01/26/19 0:42	2.14	100	CA92528
Mercury	ND (0.028)		7471B		1	BJV	01/28/19 10:30	0.73	40	CA92529
Nickel	**8.99** (2.41)		6010C		1	KJK	01/26/19 0:42	2.14	100	CA92528
Selenium	ND (4.82)		6010C		1	KJK	01/26/19 0:42	2.14	100	CA92528
Silver	ND (0.48)		6010C		1	KJK	01/26/19 0:42	2.14	100	CA92528
Thallium	ND (4.82)		6010C		1	KJK	01/26/19 0:42	2.14	100	CA92528
Zinc	**27.8** (2.41)		6010C		1	KJK	01/26/19 0:42	2.14	100	CA92528

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-COMP
Date Sampled: 01/25/19 10:50
Percent Solids: 97
Initial Volume: 9.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,1,1-Trichloroethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,1,2,2-Tetrachloroethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,1,2-Trichloroethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,1-Dichloroethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,1-Dichloroethene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,1-Dichloropropene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,2,3-Trichlorobenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,2,3-Trichloropropane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,2,4-Trichlorobenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,2,4-Trimethylbenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,2-Dibromo-3-Chloropropane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,2-Dibromoethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,2-Dichlorobenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,2-Dichloroethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,2-Dichloropropane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,3,5-Trimethylbenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,3-Dichlorobenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,3-Dichloropropane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,4-Dichlorobenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,4-Dioxane	ND (0.0543)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1-Chlorohexane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
2,2-Dichloropropane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
2-Butanone	ND (0.0272)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
2-Chlorotoluene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
2-Hexanone	ND (0.0272)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
4-Chlorotoluene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
4-Isopropyltoluene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
4-Methyl-2-Pentanone	ND (0.0272)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Acetone	ND (0.0272)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Benzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Bromobenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-COMP
Date Sampled: 01/25/19 10:50
Percent Solids: 97
Initial Volume: 9.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Bromodichloromethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Bromoform	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Bromomethane	ND (0.0054)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Carbon Disulfide	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Carbon Tetrachloride	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Chlorobenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Chloroethane	ND (0.0054)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Chloroform	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Chloromethane	ND (0.0054)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
cis-1,2-Dichloroethene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
cis-1,3-Dichloropropene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Dibromochloromethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Dibromomethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Dichlorodifluoromethane	ND (0.0054)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Diethyl Ether	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Di-isopropyl ether	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Ethyl tertiary-butyl ether	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Ethylbenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Hexachlorobutadiene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Isopropylbenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Methyl tert-Butyl Ether	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Methylene Chloride	ND (0.0136)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Naphthalene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
n-Butylbenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
n-Propylbenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
sec-Butylbenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Styrene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
tert-Butylbenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Tertiary-amyl methyl ether	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Tetrachloroethene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Tetrahydrofuran	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-COMP
Date Sampled: 01/25/19 10:50
Percent Solids: 97
Initial Volume: 9.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
trans-1,2-Dichloroethene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
trans-1,3-Dichloropropene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Trichloroethene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Trichlorofluoromethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Vinyl Acetate	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Vinyl Chloride	ND (0.0054)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Xylene O	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Xylene P,M	ND (0.0054)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Xylenes (Total)	ND (0.0054)		8260B Low		1	01/25/19 15:10		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*133 %*	*S+*	*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*121 %*		*70-130*
Surrogate: Toluene-d8	*102 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-COMP
Date Sampled: 01/25/19 10:50
Percent Solids: 97
Initial Volume: 19.8
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 1/25/19 14:40

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (39.1)		8100M		1	01/25/19 15:07	C9A0444	CA92415

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*81 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-COMP
Date Sampled: 01/25/19 10:50
Percent Solids: 97
Initial Volume: 15.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 1/25/19 14:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
1,2,4-Trichlorobenzene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
1,2-Dichlorobenzene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
1,3-Dichlorobenzene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
1,4-Dichlorobenzene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2,3,4,6-Tetrachlorophenol	ND (1.66)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2,4,5-Trichlorophenol	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2,4,6-Trichlorophenol	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2,4-Dichlorophenol	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2,4-Dimethylphenol	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2,4-Dinitrophenol	ND (1.66)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2,4-Dinitrotoluene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2,6-Dinitrotoluene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2-Chloronaphthalene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2-Chlorophenol	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2-Methylnaphthalene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2-Methylphenol	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2-Nitroaniline	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2-Nitrophenol	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
3,3′-Dichlorobenzidine	ND (0.662)		8270D		1	01/25/19 17:57	C9A0457	CA92512
3+4-Methylphenol	ND (0.662)		8270D		1	01/25/19 17:57	C9A0457	CA92512
3-Nitroaniline	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
4,6-Dinitro-2-Methylphenol	ND (1.66)		8270D		1	01/25/19 17:57	C9A0457	CA92512
4-Bromophenyl-phenylether	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
4-Chloro-3-Methylphenol	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
4-Chloroaniline	ND (0.662)		8270D		1	01/25/19 17:57	C9A0457	CA92512
4-Chloro-phenyl-phenyl ether	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
4-Nitroaniline	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
4-Nitrophenol	ND (1.66)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Acenaphthene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Acenaphthylene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Acetophenone	ND (0.662)		8270D		1	01/25/19 17:57	C9A0457	CA92512

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-COMP
Date Sampled: 01/25/19 10:50
Percent Solids: 97
Initial Volume: 15.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 1/25/19 14:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.662)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Anthracene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Azobenzene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Benzo(a)anthracene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Benzo(a)pyrene	ND (0.166)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Benzo(b)fluoranthene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Benzo(g,h,i)perylene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Benzo(k)fluoranthene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Benzoic Acid	ND (1.66)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Benzyl Alcohol	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
bis(2-Chloroethoxy)methane	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
bis(2-Chloroethyl)ether	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
bis(2-chloroisopropyl)Ether	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
bis(2-Ethylhexyl)phthalate	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Butylbenzylphthalate	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Carbazole	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Chrysene	ND (0.166)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Dibenzo(a,h)Anthracene	ND (0.166)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Dibenzofuran	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Diethylphthalate	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Dimethylphthalate	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Di-n-butylphthalate	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Di-n-octylphthalate	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Fluoranthene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Fluorene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Hexachlorobenzene	ND (0.166)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Hexachlorobutadiene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Hexachlorocyclopentadiene	ND (1.66)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Hexachloroethane	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Indeno(1,2,3-cd)Pyrene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Isophorone	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Naphthalene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-COMP
Date Sampled: 01/25/19 10:50
Percent Solids: 97
Initial Volume: 15.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 1/25/19 14:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
N-Nitrosodimethylamine	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
N-Nitroso-Di-n-Propylamine	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
N-nitrosodiphenylamine	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Pentachlorophenol	ND (1.66)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Phenanthrene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Phenol	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Pyrene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Pyridine	ND (1.66)		8270D		1	01/25/19 17:57	C9A0457	CA92512

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*81 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*98 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*88 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*86 %*		*30-130*
Surrogate: 2-Fluorophenol	*92 %*		*30-130*
Surrogate: Nitrobenzene-d5	*84 %*		*30-130*
Surrogate: Phenol-d6	*93 %*		*30-130*
Surrogate: p-Terphenyl-d14	*92 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-A
Date Sampled: 01/25/19 10:50
Percent Solids: 97

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.52)		6010C		1	KJK	01/28/19 14:52	2.04	100	CA92528

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-B
Date Sampled: 01/25/19 10:50
Percent Solids: 97

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.03)		6010C		1	KJK	01/28/19 14:56	2.54	100	CA92528

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-C
Date Sampled: 01/25/19 10:50
Percent Solids: 97

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.02)		6010C		1	KJK	01/28/19 15:00	2.55	100	CA92528

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Quality Control Data

Total Metals

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch CA92528 - 3050B										
Blank										
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	5.00	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	43.2	17.5	mg/kg wet	42.40		102	80-120			
Arsenic	123	8.77	mg/kg wet	128.0		96	85-114			
Beryllium	210	0.39	mg/kg wet	217.0		97	84-116			
Cadmium	94.6	1.75	mg/kg wet	99.00		96	87-113			
Chromium	108	3.51	mg/kg wet	116.0		93	82-118			
Copper	94.3	8.77	mg/kg wet	89.60		105	83-117			
Lead	284	17.5	mg/kg wet	277.0		103	84-116			
Nickel	97.0	8.77	mg/kg wet	107.0		91	84-117			
Selenium	219	17.5	mg/kg wet	242.0		90	80-120			
Silver	64.2	1.75	mg/kg wet	64.30		100	86-114			
Thallium	187	17.5	mg/kg wet	183.0		102	80-120			
Zinc	507	8.77	mg/kg wet	561.0		90	86-114			
LCS Dup										
Antimony	41.9	18.2	mg/kg wet	42.40		99	80-120	3	20	
Arsenic	122	9.09	mg/kg wet	128.0		95	85-114	1	20	
Beryllium	207	0.40	mg/kg wet	217.0		96	84-116	1	20	
Cadmium	91.7	1.82	mg/kg wet	99.00		93	87-113	3	20	
Chromium	109	3.64	mg/kg wet	116.0		94	82-118	1	20	
Copper	92.7	9.09	mg/kg wet	89.60		104	83-117	2	20	
Lead	271	18.2	mg/kg wet	277.0		98	84-116	5	20	
Nickel	97.5	9.09	mg/kg wet	107.0		91	84-117	0.5	20	
Selenium	209	18.2	mg/kg wet	242.0		86	80-120	5	20	
Silver	64.7	1.82	mg/kg wet	64.30		101	86-114	0.7	20	
Thallium	178	18.2	mg/kg wet	183.0		97	80-120	5	20	
Zinc	517	9.09	mg/kg wet	561.0		92	86-114	2	20	
Reference										
Cadmium	417	1.85	mg/kg wet	500.0		83	70-130			
Chromium	483	3.70	mg/kg wet	500.0		97	70-130			
Lead	463	18.5	mg/kg wet	500.0		93	70-130			
Silver	209	1.85	mg/kg wet	500.0		42	70-130			R-
Zinc	456	9.26	mg/kg wet	500.0		91	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CA92529 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	3.48	0.354	mg/kg wet	4.850		72	50-103			
LCS Dup										
Mercury	3.52	0.367	mg/kg wet	4.850		73	50-103	1	20	
Reference										
Mercury	0.196	0.034	mg/kg wet	1000		0.02	0-200			
5035/8260B Volatile Organic Compounds / Low Level										
Batch CA92502 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CA92502 - 5035										
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0622*		mg/kg wet	*0.05000*		*124*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0476*		mg/kg wet	*0.05000*		*95*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0567*		mg/kg wet	*0.05000*		*113*	*70-130*			
Surrogate: Toluene-d8	*0.0505*		mg/kg wet	*0.05000*		*101*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CA92502 - 5035										
LCS										
1,1,1,2-Tetrachloroethane	0.0510	0.0050	mg/kg wet	0.05000		102	70-130			
1,1,1-Trichloroethane	0.0610	0.0050	mg/kg wet	0.05000		122	70-130			
1,1,2,2-Tetrachloroethane	0.0534	0.0050	mg/kg wet	0.05000		107	70-130			
1,1,2-Trichloroethane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
1,1-Dichloroethane	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
1,1-Dichloroethene	0.0568	0.0050	mg/kg wet	0.05000		114	70-130			
1,1-Dichloropropene	0.0577	0.0050	mg/kg wet	0.05000		115	70-130			
1,2,3-Trichlorobenzene	0.0555	0.0050	mg/kg wet	0.05000		111	70-130			
1,2,3-Trichloropropane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
1,2,4-Trichlorobenzene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130			
1,2,4-Trimethylbenzene	0.0588	0.0050	mg/kg wet	0.05000		118	70-130			
1,2-Dibromo-3-Chloropropane	0.0448	0.0050	mg/kg wet	0.05000		90	70-130			
1,2-Dibromoethane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
1,2-Dichlorobenzene	0.0548	0.0050	mg/kg wet	0.05000		110	70-130			
1,2-Dichloroethane	0.0548	0.0050	mg/kg wet	0.05000		110	70-130			
1,2-Dichloropropane	0.0532	0.0050	mg/kg wet	0.05000		106	70-130			
1,3,5-Trimethylbenzene	0.0596	0.0050	mg/kg wet	0.05000		119	70-130			
1,3-Dichlorobenzene	0.0552	0.0050	mg/kg wet	0.05000		110	70-130			
1,3-Dichloropropane	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
1,4-Dichlorobenzene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130			
1,4-Dioxane	1.00	0.100	mg/kg wet	1.000		100	70-130			
1-Chlorohexane	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
2,2-Dichloropropane	0.0660	0.0050	mg/kg wet	0.05000		132	70-130			B+
2-Butanone	0.284	0.0500	mg/kg wet	0.2500		113	70-130			
2-Chlorotoluene	0.0568	0.0050	mg/kg wet	0.05000		114	70-130			
2-Hexanone	0.236	0.0500	mg/kg wet	0.2500		95	70-130			
4-Chlorotoluene	0.0583	0.0050	mg/kg wet	0.05000		117	70-130			
4-Isopropyltoluene	0.0596	0.0050	mg/kg wet	0.05000		119	70-130			
4-Methyl-2-Pentanone	0.236	0.0500	mg/kg wet	0.2500		94	70-130			
Acetone	0.249	0.0500	mg/kg wet	0.2500		99	70-130			
Benzene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130			
Bromobenzene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130			
Bromochloromethane	0.0532	0.0050	mg/kg wet	0.05000		106	70-130			
Bromodichloromethane	0.0529	0.0050	mg/kg wet	0.05000		106	70-130			
Bromoform	0.0448	0.0050	mg/kg wet	0.05000		90	70-130			
Bromomethane	0.0558	0.0100	mg/kg wet	0.05000		112	70-130			
Carbon Disulfide	0.0594	0.0050	mg/kg wet	0.05000		119	70-130			
Carbon Tetrachloride	0.0660	0.0050	mg/kg wet	0.05000		132	70-130			B+
Chlorobenzene	0.0540	0.0050	mg/kg wet	0.05000		108	70-130			
Chloroethane	0.0570	0.0100	mg/kg wet	0.05000		114	70-130			
Chloroform	0.0562	0.0050	mg/kg wet	0.05000		112	70-130			
Chloromethane	0.0454	0.0100	mg/kg wet	0.05000		91	70-130			
cis-1,2-Dichloroethene	0.0560	0.0050	mg/kg wet	0.05000		112	70-130			
cis-1,3-Dichloropropene	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CA92502 - 5035										
Dibromochloromethane	0.0442	0.0050	mg/kg wet	0.05000		88	70-130			
Dibromomethane	0.0532	0.0050	mg/kg wet	0.05000		106	70-130			
Dichlorodifluoromethane	0.0405	0.0100	mg/kg wet	0.05000		81	70-130			
Diethyl Ether	0.0545	0.0050	mg/kg wet	0.05000		109	70-130			
Di-isopropyl ether	0.0546	0.0050	mg/kg wet	0.05000		109	70-130			
Ethyl tertiary-butyl ether	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
Ethylbenzene	0.0559	0.0050	mg/kg wet	0.05000		112	70-130			
Hexachlorobutadiene	0.0572	0.0050	mg/kg wet	0.05000		114	70-130			
Isopropylbenzene	0.0577	0.0050	mg/kg wet	0.05000		115	70-130			
Methyl tert-Butyl Ether	0.0546	0.0050	mg/kg wet	0.05000		109	70-130			
Methylene Chloride	0.0495	0.0250	mg/kg wet	0.05000		99	70-130			
Naphthalene	0.0443	0.0050	mg/kg wet	0.05000		89	70-130			
n-Butylbenzene	0.0616	0.0050	mg/kg wet	0.05000		123	70-130			
n-Propylbenzene	0.0591	0.0050	mg/kg wet	0.05000		118	70-130			
sec-Butylbenzene	0.0583	0.0050	mg/kg wet	0.05000		117	70-130			
Styrene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
tert-Butylbenzene	0.0587	0.0050	mg/kg wet	0.05000		117	70-130			
Tertiary-amyl methyl ether	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
Tetrachloroethene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130			
Tetrahydrofuran	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			
Toluene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130			
trans-1,2-Dichloroethene	0.0521	0.0050	mg/kg wet	0.05000		104	70-130			
trans-1,3-Dichloropropene	0.0422	0.0050	mg/kg wet	0.05000		84	70-130			
Trichloroethene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130			
Trichlorofluoromethane	0.0578	0.0050	mg/kg wet	0.05000		116	70-130			
Vinyl Acetate	0.0619	0.0050	mg/kg wet	0.05000		124	70-130			
Vinyl Chloride	0.0525	0.0100	mg/kg wet	0.05000		105	70-130			
Xylene O	0.0597	0.0050	mg/kg wet	0.05000		119	70-130			
Xylene P,M	0.119	0.0100	mg/kg wet	0.1000		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0533*		mg/kg wet	*0.05000*		*107*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0513*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0533*		mg/kg wet	*0.05000*		*107*	*70-130*			
Surrogate: Toluene-d8	*0.0500*		mg/kg wet	*0.05000*		*100*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130	0.3	25	
1,1,1-Trichloroethane	0.0601	0.0050	mg/kg wet	0.05000		120	70-130	1	25	
1,1,2,2-Tetrachloroethane	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	2	25	
1,1,2-Trichloroethane	0.0514	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
1,1-Dichloroethane	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	2	25	
1,1-Dichloroethene	0.0569	0.0050	mg/kg wet	0.05000		114	70-130	0.1	25	
1,1-Dichloropropene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	2	25	
1,2,3-Trichlorobenzene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	2	25	
1,2,3-Trichloropropane	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	2	25	
1,2,4-Trichlorobenzene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	2	25	
1,2,4-Trimethylbenzene	0.0592	0.0050	mg/kg wet	0.05000		118	70-130	0.6	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CA92502 - 5035										
1,2-Dibromo-3-Chloropropane	0.0446	0.0050	mg/kg wet	0.05000		89	70-130	0.4	25	
1,2-Dibromoethane	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	0.7	25	
1,2-Dichlorobenzene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	0.3	25	
1,2-Dichloroethane	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	2	25	
1,2-Dichloropropane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	1	25	
1,3,5-Trimethylbenzene	0.0601	0.0050	mg/kg wet	0.05000		120	70-130	0.9	25	
1,3-Dichlorobenzene	0.0563	0.0050	mg/kg wet	0.05000		113	70-130	2	25	
1,3-Dichloropropane	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	0.6	25	
1,4-Dichlorobenzene	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	0.8	25	
1,4-Dioxane	0.974	0.100	mg/kg wet	1.000		97	70-130	3	20	
1-Chlorohexane	0.0489	0.0050	mg/kg wet	0.05000		98	70-130	2	25	
2,2-Dichloropropane	0.0650	0.0050	mg/kg wet	0.05000		130	70-130	1	25	
2-Butanone	0.276	0.0500	mg/kg wet	0.2500		110	70-130	3	25	
2-Chlorotoluene	0.0572	0.0050	mg/kg wet	0.05000		114	70-130	0.6	25	
2-Hexanone	0.234	0.0500	mg/kg wet	0.2500		94	70-130	1	25	
4-Chlorotoluene	0.0588	0.0050	mg/kg wet	0.05000		118	70-130	0.8	25	
4-Isopropyltoluene	0.0596	0.0050	mg/kg wet	0.05000		119	70-130	0.03	25	
4-Methyl-2-Pentanone	0.231	0.0500	mg/kg wet	0.2500		92	70-130	2	25	
Acetone	0.242	0.0500	mg/kg wet	0.2500		97	70-130	3	25	
Benzene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130	2	25	
Bromobenzene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	0.2	25	
Bromochloromethane	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	3	25	
Bromodichloromethane	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
Bromoform	0.0452	0.0050	mg/kg wet	0.05000		90	70-130	0.9	25	
Bromomethane	0.0512	0.0100	mg/kg wet	0.05000		102	70-130	9	25	
Carbon Disulfide	0.0581	0.0050	mg/kg wet	0.05000		116	70-130	2	25	
Carbon Tetrachloride	0.0647	0.0050	mg/kg wet	0.05000		129	70-130	2	25	
Chlorobenzene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	2	25	
Chloroethane	0.0563	0.0100	mg/kg wet	0.05000		113	70-130	1	25	
Chloroform	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	2	25	
Chloromethane	0.0440	0.0100	mg/kg wet	0.05000		88	70-130	3	25	
cis-1,2-Dichloroethene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	1	25	
cis-1,3-Dichloropropene	0.0466	0.0050	mg/kg wet	0.05000		93	70-130	2	25	
Dibromochloromethane	0.0446	0.0050	mg/kg wet	0.05000		89	70-130	0.9	25	
Dibromomethane	0.0521	0.0050	mg/kg wet	0.05000		104	70-130	2	25	
Dichlorodifluoromethane	0.0388	0.0100	mg/kg wet	0.05000		78	70-130	4	25	
Diethyl Ether	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	0.7	25	
Di-isopropyl ether	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	1	25	
Ethyl tertiary-butyl ether	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	0.5	25	
Ethylbenzene	0.0567	0.0050	mg/kg wet	0.05000		113	70-130	1	25	
Hexachlorobutadiene	0.0579	0.0050	mg/kg wet	0.05000		116	70-130	1	25	
Isopropylbenzene	0.0581	0.0050	mg/kg wet	0.05000		116	70-130	0.8	25	
Methyl tert-Butyl Ether	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	1	25	
Methylene Chloride	0.0483	0.0250	mg/kg wet	0.05000		97	70-130	2	25	
Naphthalene	0.0453	0.0050	mg/kg wet	0.05000		91	70-130	2	25	

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CA92502 - 5035										
n-Butylbenzene	0.0618	0.0050	mg/kg wet	0.05000		124	70-130	0.4	25	
n-Propylbenzene	0.0598	0.0050	mg/kg wet	0.05000		120	70-130	1	25	
sec-Butylbenzene	0.0589	0.0050	mg/kg wet	0.05000		118	70-130	1	25	
Styrene	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	2	25	
tert-Butylbenzene	0.0590	0.0050	mg/kg wet	0.05000		118	70-130	0.6	25	
Tertiary-amyl methyl ether	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	0.9	25	
Tetrachloroethene	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	1	25	
Tetrahydrofuran	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	0.5	25	
Toluene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	2	25	
trans-1,2-Dichloroethene	0.0521	0.0050	mg/kg wet	0.05000		104	70-130	0.08	25	
trans-1,3-Dichloropropene	0.0419	0.0050	mg/kg wet	0.05000		84	70-130	0.6	25	
Trichloroethene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	0.2	25	
Trichlorofluoromethane	0.0568	0.0050	mg/kg wet	0.05000		114	70-130	2	25	
Vinyl Acetate	0.0616	0.0050	mg/kg wet	0.05000		123	70-130	0.6	25	
Vinyl Chloride	0.0513	0.0100	mg/kg wet	0.05000		103	70-130	2	25	
Xylene O	0.0602	0.0050	mg/kg wet	0.05000		120	70-130	0.9	25	
Xylene P,M	0.121	0.0100	mg/kg wet	0.1000		121	70-130	1	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0509*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0513*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0516*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.0507*		mg/kg wet	*0.05000*		*101*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch CA92415 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.07*		mg/kg wet	*5.000*		*81*	*40-140*			
LCS										
Decane (C10)	1.4	0.2	mg/kg wet	2.500		57	40-140			
Docosane (C22)	2.0	0.2	mg/kg wet	2.500		81	40-140			
Dodecane (C12)	1.8	0.2	mg/kg wet	2.500		73	40-140			

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CA92415 - 3546										
Eicosane (C20)	2.0	0.2	mg/kg wet	2.500		81	40-140			
Hexacosane (C26)	2.0	0.2	mg/kg wet	2.500		79	40-140			
Hexadecane (C16)	1.9	0.2	mg/kg wet	2.500		77	40-140			
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		97	40-140			
Nonane (C9)	1.5	0.2	mg/kg wet	2.500		61	30-140			
Octacosane (C28)	2.0	0.2	mg/kg wet	2.500		78	40-140			
Octadecane (C18)	2.0	0.2	mg/kg wet	2.500		78	40-140			
Tetracosane (C24)	2.0	0.2	mg/kg wet	2.500		80	40-140			
Tetradecane (C14)	1.8	0.2	mg/kg wet	2.500		74	40-140			
Total Petroleum Hydrocarbons	26.8	37.5	mg/kg wet	35.00		77	40-140			
Triacontane (C30)	1.9	0.2	mg/kg wet	2.500		76	40-140			
Surrogate: O-Terphenyl	*3.94*		mg/kg wet	*5.000*		*79*	*40-140*			
LCS Dup										
Decane (C10)	1.4	0.2	mg/kg wet	2.500		57	40-140	0.4	25	
Docosane (C22)	2.0	0.2	mg/kg wet	2.500		82	40-140	1	25	
Dodecane (C12)	1.8	0.2	mg/kg wet	2.500		73	40-140	0.5	25	
Eicosane (C20)	2.1	0.2	mg/kg wet	2.500		82	40-140	1	25	
Hexacosane (C26)	2.0	0.2	mg/kg wet	2.500		80	40-140	1	25	
Hexadecane (C16)	1.9	0.2	mg/kg wet	2.500		78	40-140	2	25	
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		98	40-140	1	25	
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		62	30-140	1	25	
Octacosane (C28)	2.0	0.2	mg/kg wet	2.500		79	40-140	0.9	25	
Octadecane (C18)	2.0	0.2	mg/kg wet	2.500		80	40-140	1	25	
Tetracosane (C24)	2.0	0.2	mg/kg wet	2.500		82	40-140	2	25	
Tetradecane (C14)	1.9	0.2	mg/kg wet	2.500		75	40-140	2	25	
Total Petroleum Hydrocarbons	27.0	37.5	mg/kg wet	35.00		77	40-140	0.6	25	
Triacontane (C30)	1.9	0.2	mg/kg wet	2.500		77	40-140	0.08	25	
Surrogate: O-Terphenyl	*3.91*		mg/kg wet	*5.000*		*78*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch CA92512 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CA92512 - 3546										
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CA92512 - 3546										
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.55*		mg/kg wet	*3.333*		*76*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.53*		mg/kg wet	*5.000*		*91*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.10*		mg/kg wet	*5.000*		*82*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.68*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: 2-Fluorophenol	*4.24*		mg/kg wet	*5.000*		*85*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.61*		mg/kg wet	*3.333*		*78*	*30-130*			
Surrogate: Phenol-d6	*4.37*		mg/kg wet	*5.000*		*87*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.09*		mg/kg wet	*3.333*		*93*	*30-130*			
LCS										
1,1-Biphenyl	2.00	0.333	mg/kg wet	3.333		60	40-140			
1,2,4-Trichlorobenzene	1.86	0.333	mg/kg wet	3.333		56	40-140			
1,2-Dichlorobenzene	1.89	0.333	mg/kg wet	3.333		57	40-140			
1,3-Dichlorobenzene	1.87	0.333	mg/kg wet	3.333		56	40-140			
1,4-Dichlorobenzene	1.91	0.333	mg/kg wet	3.333		57	40-140			
2,3,4,6-Tetrachlorophenol	2.71	1.67	mg/kg wet	3.333		81	30-130			
2,4,5-Trichlorophenol	2.65	0.333	mg/kg wet	3.333		80	30-130			
2,4,6-Trichlorophenol	2.37	0.333	mg/kg wet	3.333		71	30-130			
2,4-Dichlorophenol	2.06	0.333	mg/kg wet	3.333		62	30-130			
2,4-Dimethylphenol	2.08	0.333	mg/kg wet	3.333		63	30-130			
2,4-Dinitrophenol	2.58	1.67	mg/kg wet	3.333		78	30-130			
2,4-Dinitrotoluene	2.77	0.333	mg/kg wet	3.333		83	40-140			
2,6-Dinitrotoluene	2.49	0.333	mg/kg wet	3.333		75	40-140			
2-Chloronaphthalene	1.87	0.333	mg/kg wet	3.333		56	40-140			
2-Chlorophenol	2.01	0.333	mg/kg wet	3.333		60	30-130			
2-Methylnaphthalene	1.84	0.333	mg/kg wet	3.333		55	40-140			
2-Methylphenol	2.01	0.333	mg/kg wet	3.333		60	30-130			
2-Nitroaniline	2.54	0.333	mg/kg wet	3.333		76	40-140			
2-Nitrophenol	1.88	0.333	mg/kg wet	3.333		56	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CA92512 - 3546										
3,3´-Dichlorobenzidine	1.82	0.667	mg/kg wet	3.333		55	40-140			
3+4-Methylphenol	4.26	0.667	mg/kg wet	6.667		64	30-130			
3-Nitroaniline	2.07	0.333	mg/kg wet	3.333		62	40-140			
4,6-Dinitro-2-Methylphenol	2.79	1.67	mg/kg wet	3.333		84	30-130			
4-Bromophenyl-phenylether	2.44	0.333	mg/kg wet	3.333		73	40-140			
4-Chloro-3-Methylphenol	2.43	0.333	mg/kg wet	3.333		73	30-130			
4-Chloroaniline	1.26	0.667	mg/kg wet	3.333		38	40-140			B-
4-Chloro-phenyl-phenyl ether	2.23	0.333	mg/kg wet	3.333		67	40-140			
4-Nitroaniline	2.51	0.333	mg/kg wet	3.333		75	40-140			
4-Nitrophenol	2.84	1.67	mg/kg wet	3.333		85	30-130			
Acenaphthene	2.06	0.333	mg/kg wet	3.333		62	40-140			
Acenaphthylene	1.90	0.333	mg/kg wet	3.333		57	40-140			
Acetophenone	2.00	0.667	mg/kg wet	3.333		60	40-140			
Aniline	1.33	0.667	mg/kg wet	3.333		40	40-140			
Anthracene	2.69	0.333	mg/kg wet	3.333		81	40-140			
Azobenzene	2.43	0.333	mg/kg wet	3.333		73	40-140			
Benzo(a)anthracene	2.68	0.333	mg/kg wet	3.333		80	40-140			
Benzo(a)pyrene	2.69	0.167	mg/kg wet	3.333		81	40-140			
Benzo(b)fluoranthene	2.75	0.333	mg/kg wet	3.333		83	40-140			
Benzo(g,h,i)perylene	2.74	0.333	mg/kg wet	3.333		82	40-140			
Benzo(k)fluoranthene	2.96	0.333	mg/kg wet	3.333		89	40-140			
Benzoic Acid	2.50	1.67	mg/kg wet	3.333		75	40-140			
Benzyl Alcohol	1.54	0.333	mg/kg wet	3.333		46	40-140			
bis(2-Chloroethoxy)methane	1.92	0.333	mg/kg wet	3.333		58	40-140			
bis(2-Chloroethyl)ether	1.80	0.333	mg/kg wet	3.333		54	40-140			
bis(2-chloroisopropyl)Ether	1.91	0.333	mg/kg wet	3.333		57	40-140			
bis(2-Ethylhexyl)phthalate	2.77	0.333	mg/kg wet	3.333		83	40-140			
Butylbenzylphthalate	2.73	0.333	mg/kg wet	3.333		82	40-140			
Carbazole	2.77	0.333	mg/kg wet	3.333		83	40-140			
Chrysene	2.71	0.167	mg/kg wet	3.333		81	40-140			
Dibenzo(a,h)Anthracene	2.79	0.167	mg/kg wet	3.333		84	40-140			
Dibenzofuran	2.15	0.333	mg/kg wet	3.333		64	40-140			
Diethylphthalate	2.48	0.333	mg/kg wet	3.333		74	40-140			
Dimethylphthalate	2.34	0.333	mg/kg wet	3.333		70	40-140			
Di-n-butylphthalate	2.74	0.333	mg/kg wet	3.333		82	40-140			
Di-n-octylphthalate	2.89	0.333	mg/kg wet	3.333		87	40-140			
Fluoranthene	2.75	0.333	mg/kg wet	3.333		83	40-140			
Fluorene	2.33	0.333	mg/kg wet	3.333		70	40-140			
Hexachlorobenzene	2.60	0.167	mg/kg wet	3.333		78	40-140			
Hexachlorobutadiene	1.84	0.333	mg/kg wet	3.333		55	40-140			
Hexachlorocyclopentadiene	1.34	1.67	mg/kg wet	3.333		40	40-140			
Hexachloroethane	1.90	0.333	mg/kg wet	3.333		57	40-140			
Indeno(1,2,3-cd)Pyrene	2.80	0.333	mg/kg wet	3.333		84	40-140			
Isophorone	1.76	0.333	mg/kg wet	3.333		53	40-140			
Naphthalene	1.81	0.333	mg/kg wet	3.333		54	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CA92512 - 3546										
Nitrobenzene	1.95	0.333	mg/kg wet	3.333		58	40-140			
N-Nitrosodimethylamine	1.84	0.333	mg/kg wet	3.333		55	40-140			
N-Nitroso-Di-n-Propylamine	1.86	0.333	mg/kg wet	3.333		56	40-140			
N-nitrosodiphenylamine	2.71	0.333	mg/kg wet	3.333		81	40-140			
Pentachlorophenol	3.42	1.67	mg/kg wet	3.333		102	30-130			
Phenanthrene	2.54	0.333	mg/kg wet	3.333		76	40-140			
Phenol	2.00	0.333	mg/kg wet	3.333		60	30-130			
Pyrene	2.77	0.333	mg/kg wet	3.333		83	40-140			
Pyridine	1.61	1.67	mg/kg wet	3.333		48	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.19*		mg/kg wet	*3.333*		*66*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.95*		mg/kg wet	*5.000*		*99*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.52*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.18*		mg/kg wet	*3.333*		*66*	*30-130*			
Surrogate: 2-Fluorophenol	*3.65*		mg/kg wet	*5.000*		*73*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.12*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: Phenol-d6	*3.68*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.22*		mg/kg wet	*3.333*		*97*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.04	0.333	mg/kg wet	3.333		61	40-140	2	30	
1,2,4-Trichlorobenzene	1.91	0.333	mg/kg wet	3.333		57	40-140	3	30	
1,2-Dichlorobenzene	1.89	0.333	mg/kg wet	3.333		57	40-140	0.2	30	
1,3-Dichlorobenzene	1.85	0.333	mg/kg wet	3.333		55	40-140	1	30	
1,4-Dichlorobenzene	1.88	0.333	mg/kg wet	3.333		56	40-140	1	30	
2,3,4,6-Tetrachlorophenol	2.65	1.67	mg/kg wet	3.333		79	30-130	2	30	
2,4,5-Trichlorophenol	2.53	0.333	mg/kg wet	3.333		76	30-130	5	30	
2,4,6-Trichlorophenol	2.31	0.333	mg/kg wet	3.333		69	30-130	2	30	
2,4-Dichlorophenol	2.17	0.333	mg/kg wet	3.333		65	30-130	5	30	
2,4-Dimethylphenol	2.16	0.333	mg/kg wet	3.333		65	30-130	4	30	
2,4-Dinitrophenol	2.58	1.67	mg/kg wet	3.333		77	30-130	0.2	30	
2,4-Dinitrotoluene	2.68	0.333	mg/kg wet	3.333		80	40-140	3	30	
2,6-Dinitrotoluene	2.40	0.333	mg/kg wet	3.333		72	40-140	3	30	
2-Chloronaphthalene	1.91	0.333	mg/kg wet	3.333		57	40-140	2	30	
2-Chlorophenol	2.00	0.333	mg/kg wet	3.333		60	30-130	0.5	30	
2-Methylnaphthalene	1.92	0.333	mg/kg wet	3.333		58	40-140	4	30	
2-Methylphenol	2.06	0.333	mg/kg wet	3.333		62	30-130	2	30	
2-Nitroaniline	2.47	0.333	mg/kg wet	3.333		74	40-140	3	30	
2-Nitrophenol	1.98	0.333	mg/kg wet	3.333		59	30-130	5	30	
3,3´-Dichlorobenzidine	1.76	0.667	mg/kg wet	3.333		53	40-140	3	30	
3+4-Methylphenol	4.27	0.667	mg/kg wet	6.667		64	30-130	0.2	30	
3-Nitroaniline	2.06	0.333	mg/kg wet	3.333		62	40-140	0.6	30	
4,6-Dinitro-2-Methylphenol	2.76	1.67	mg/kg wet	3.333		83	30-130	0.7	30	
4-Bromophenyl-phenylether	2.33	0.333	mg/kg wet	3.333		70	40-140	5	30	
4-Chloro-3-Methylphenol	2.39	0.333	mg/kg wet	3.333		72	30-130	2	30	
4-Chloroaniline	1.25	0.667	mg/kg wet	3.333		38	40-140	0.9	30	B-
4-Chloro-phenyl-phenyl ether	2.21	0.333	mg/kg wet	3.333		66	40-140	1	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CA92512 - 3546										
4-Nitroaniline	2.40	0.333	mg/kg wet	3.333		72	40-140	5	30	
4-Nitrophenol	2.73	1.67	mg/kg wet	3.333		82	30-130	4	30	
Acenaphthene	2.07	0.333	mg/kg wet	3.333		62	40-140	0.2	30	
Acenaphthylene	1.89	0.333	mg/kg wet	3.333		57	40-140	0.4	30	
Acetophenone	2.01	0.667	mg/kg wet	3.333		60	40-140	0.3	30	
Aniline	1.33	0.667	mg/kg wet	3.333		40	40-140	0.4	30	
Anthracene	2.57	0.333	mg/kg wet	3.333		77	40-140	5	30	
Azobenzene	2.35	0.333	mg/kg wet	3.333		70	40-140	3	30	
Benzo(a)anthracene	2.50	0.333	mg/kg wet	3.333		75	40-140	7	30	
Benzo(a)pyrene	2.54	0.167	mg/kg wet	3.333		76	40-140	6	30	
Benzo(b)fluoranthene	2.57	0.333	mg/kg wet	3.333		77	40-140	7	30	
Benzo(g,h,i)perylene	2.55	0.333	mg/kg wet	3.333		76	40-140	7	30	
Benzo(k)fluoranthene	2.80	0.333	mg/kg wet	3.333		84	40-140	5	30	
Benzoic Acid	2.44	1.67	mg/kg wet	3.333		73	40-140	2	30	
Benzyl Alcohol	1.66	0.333	mg/kg wet	3.333		50	40-140	8	30	
bis(2-Chloroethoxy)methane	2.02	0.333	mg/kg wet	3.333		61	40-140	5	30	
bis(2-Chloroethyl)ether	1.89	0.333	mg/kg wet	3.333		57	40-140	4	30	
bis(2-chloroisopropyl)Ether	1.95	0.333	mg/kg wet	3.333		59	40-140	2	30	
bis(2-Ethylhexyl)phthalate	2.67	0.333	mg/kg wet	3.333		80	40-140	3	30	
Butylbenzylphthalate	2.61	0.333	mg/kg wet	3.333		78	40-140	4	30	
Carbazole	2.63	0.333	mg/kg wet	3.333		79	40-140	5	30	
Chrysene	2.56	0.167	mg/kg wet	3.333		77	40-140	6	30	
Dibenzo(a,h)Anthracene	2.59	0.167	mg/kg wet	3.333		78	40-140	8	30	
Dibenzofuran	2.12	0.333	mg/kg wet	3.333		64	40-140	1	30	
Diethylphthalate	2.46	0.333	mg/kg wet	3.333		74	40-140	0.8	30	
Dimethylphthalate	2.31	0.333	mg/kg wet	3.333		69	40-140	1	30	
Di-n-butylphthalate	2.65	0.333	mg/kg wet	3.333		79	40-140	4	30	
Di-n-octylphthalate	2.78	0.333	mg/kg wet	3.333		83	40-140	4	30	
Fluoranthene	2.62	0.333	mg/kg wet	3.333		79	40-140	5	30	
Fluorene	2.29	0.333	mg/kg wet	3.333		69	40-140	2	30	
Hexachlorobenzene	2.47	0.167	mg/kg wet	3.333		74	40-140	5	30	
Hexachlorobutadiene	1.94	0.333	mg/kg wet	3.333		58	40-140	5	30	
Hexachlorocyclopentadiene	1.41	1.67	mg/kg wet	3.333		42	40-140	5	30	
Hexachloroethane	1.90	0.333	mg/kg wet	3.333		57	40-140	0.3	30	
Indeno(1,2,3-cd)Pyrene	2.60	0.333	mg/kg wet	3.333		78	40-140	8	30	
Isophorone	1.85	0.333	mg/kg wet	3.333		55	40-140	5	30	
Naphthalene	1.89	0.333	mg/kg wet	3.333		57	40-140	4	30	
Nitrobenzene	1.93	0.333	mg/kg wet	3.333		58	40-140	0.9	30	
N-Nitrosodimethylamine	1.72	0.333	mg/kg wet	3.333		52	40-140	6	30	
N-Nitroso-Di-n-Propylamine	1.91	0.333	mg/kg wet	3.333		57	40-140	2	30	
N-nitrosodiphenylamine	2.60	0.333	mg/kg wet	3.333		78	40-140	4	30	
Pentachlorophenol	3.24	1.67	mg/kg wet	3.333		97	30-130	5	30	
Phenanthrene	2.38	0.333	mg/kg wet	3.333		71	40-140	7	30	
Phenol	2.02	0.333	mg/kg wet	3.333		60	30-130	0.9	30	
Pyrene	2.65	0.333	mg/kg wet	3.333		79	40-140	5	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CA92512 - 3546										
Pyridine	1.49	1.67	mg/kg wet	3.333		45	40-140	8	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.13*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.55*		mg/kg wet	*5.000*		*91*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.35*		mg/kg wet	*5.000*		*67*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.18*		mg/kg wet	*3.333*		*65*	*30-130*			
Surrogate: 2-Fluorophenol	*3.48*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.13*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: Phenol-d6	*3.57*		mg/kg wet	*5.000*		*71*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.90*		mg/kg wet	*3.333*		*87*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Notes and Definitions

U	Analyte included in the analysis, but not detected
S+	Surrogate recovery(ies) above upper control limit (S+).
R-	Standard Reference Material is biased low (R-).
Q	Calibration required quadratic regression (Q).
ICV-	Initial Calibration Verification recovery is below lower control limit (ICV-).
D	Diluted.
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/HDM

Shipped/Delivered Via: Client

ESS Project ID: 1901548
Date Received: 1/25/2019
Project Due Date: 1/28/2019
Days for Project: 1 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 4.1 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** (Yes) / No / NA
10. Were any analyses received outside of hold time? Yes (No)

11. Any Subcontracting needed? Yes / (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA

13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: Time: By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / (No)
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608.3 Pesticides)
01	311930	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	311931	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	311935	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
01	311936	Yes	NA	Yes	VOA Vial - Other	Other	
01	311937	Yes	NA	Yes	VOA Vial - Other	Other	
02	311934	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
03	311933	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
04	311932	Yes	NA	Yes	4 oz. Jar - Unpres	NP	

2nd Review
All containers scanned into storage/lab Initials:
Are barcode labels on correct containers? Yes / No
Are all necessary stickers attached? Yes / No

Completed By: Date & Time: 1/25/19 12:01
Reviewed By: Date & Time: 1/25/19 1207
Delivered By:

ESS Laboratory
Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1901548

Turn Time: RUSH Rush: 1 day
Regulatory State: RI
Is this project for any of the following?: ☐ MA-MCP ☐ CT-RCP ☐ RGP ☐ Remediation

Reporting Limits

Electonic Deliverables: ☒ Limit Checker ☒ Excel ☒ Other (Please Specify) → PDF

Company Name	Project #	Project Name
GZA RI	33554.04	642 ALLENS AVE

Contact Person	Address
SOPHIA NARKIEWICZ	188 VALLEY ST, SUITE 300

City	State	Zip Code	PO #
PROVIDENCE	RI	02909	

Telephone Number	FAX Number	Email Address
(401) 447-8161		sophia.narkiewicz@gza.com

Analysis

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	TPH 8100 M	PFAS Metals	ARSENIC	VOCs 8260B	SVOCs 8270D
1	1/25/19	1050	COMPOSITE	SOIL	012519-COMP	X	X		X	X
2	↓	↓	GRAB	↓	012519-A			X		
3	↓	↓	GRAB	↓	012519-B			X		
4	↓	↓	GRAB	↓	012519-C			X		

Container Type: AG-Amber Glass B-BOD Bottle G-Glass P-Poly S-Sterile V-Vial O-Other

Preservation Code:	1-Non Preserved	2-HCl	3-H2SO4	4-HNO3	5-NaOH	6-Methanol	7-Na2S2O3	8-ZnAce, NaOH	9-NH4Cl	10-DI H2O	11-Other*

	ag	ag	AG	V	V
Number of Containers:	1	1	1	6	10
	1	1	3	1	2

Laboratory Use Only

Cooler Present: ✓
Seals Intact: —
Cooler Temperature: Ice 4.1 °C

Sampled by: CHARLES LINDNER

Comments: Please specify "Other" preservative and containers types in this space

NGRID RATES APPLY

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
[signature] 1/25/19 11:41	[signature] 1/25/19 11:41		
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

CERTIFICATE OF ANALYSIS

Sara Haupt
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: 642 Allens Ave (03.0033554.04 T 6-2)
ESS Laboratory Work Order Number: 22B0164

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 1:31 pm, Feb 09, 2022

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

SAMPLE RECEIPT

The following samples were received on February 07, 2022 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on February 7, 2022 at 13:18.

Lab Number	Sample Name	Matrix	Analysis
22B0164-01	SP020722A	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
22B0164-02	SP020722B	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
22B0164-03	SP020722C	Soil	6010C
22B0164-04	SP020722D	Soil	6010C
22B0164-05	SP020722E	Soil	6010C
22B0164-06	SP020722F	Soil	6010C
22B0164-07	SP020722G	Soil	6010C

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

D2B0105-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Bromomethane (39% @ 30%)

DB20705-BS1 **Blank Spike recovery is below lower control limit (B-).**
Bromoform (69% @ 70-130%)

DB20705-BSD1 **Blank Spike recovery is above upper control limit (B+).**
Bromomethane (140% @ 70-130%)

8270D Semi-Volatile Organic Compounds

D2B0131-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (61% @ 80-120%), 4,6-Dinitro-2-Methylphenol (55% @ 80-120%), Benzoic Acid (78% @ 80-120%)

D2B0131-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
2,4-Dinitrophenol (39% @ 20%), 4,6-Dinitro-2-Methylphenol (45% @ 20%), Benzoic Acid (22% @ 20%)

D2B0131-CCV1 **Percent difference between primary and confirmation results exceeds 40% (P).**
Pentachlorophenol (94% @ 80-120%)

DB20721-BS1 **Blank Spike recovery is below lower control limit (B-).**
4-Chloroaniline (37% @ 40-140%), Hexachlorocyclopentadiene (38% @ 40-140%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722A
Date Sampled: 02/07/22 10:00
Percent Solids: 94

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.86)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Arsenic	ND (2.43)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Beryllium	**0.20** (0.11)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Cadmium	ND (0.49)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Chromium	**13.2** (0.97)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Copper	**10.6** (2.43)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Lead	**5.45** (4.86)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Mercury	ND (0.034)		7471B		1	BJV	02/08/22 15:11	0.61	40	DB20745
Nickel	**9.22** (2.43)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Selenium	ND (4.86)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Silver	ND (0.49)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Thallium	ND (4.86)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735
Zinc	**29.0** (2.43)		6010C		1	NAR	02/08/22 9:31	2.18	100	DB20735

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722A
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 6.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,1,1-Trichloroethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,1,2,2-Tetrachloroethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,1,2-Trichloroethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,1-Dichloroethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,1-Dichloroethene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,1-Dichloropropene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,2,3-Trichlorobenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,2,3-Trichloropropane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,2,4-Trichlorobenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,2,4-Trimethylbenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,2-Dibromo-3-Chloropropane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,2-Dibromoethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,2-Dichlorobenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,2-Dichloroethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,2-Dichloropropane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,3,5-Trimethylbenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,3-Dichlorobenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,3-Dichloropropane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,4-Dichlorobenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1,4-Dioxane	ND (0.0767)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
1-Chlorohexane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
2,2-Dichloropropane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
2-Butanone	ND (0.0384)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
2-Chlorotoluene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
2-Hexanone	ND (0.0384)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
4-Chlorotoluene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
4-Isopropyltoluene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
4-Methyl-2-Pentanone	ND (0.0384)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Acetone	ND (0.0384)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Benzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Bromobenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722A
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 6.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Bromodichloromethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Bromoform	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Bromomethane	ND (0.0077)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Carbon Disulfide	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Carbon Tetrachloride	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Chlorobenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Chloroethane	ND (0.0077)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Chloroform	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Chloromethane	ND (0.0077)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
cis-1,2-Dichloroethene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
cis-1,3-Dichloropropene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Dibromochloromethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Dibromomethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Dichlorodifluoromethane	ND (0.0077)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Diethyl Ether	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Di-isopropyl ether	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Ethyl tertiary-butyl ether	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Ethylbenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Hexachlorobutadiene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Isopropylbenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Methyl tert-Butyl Ether	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Methylene Chloride	ND (0.0192)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Naphthalene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
n-Butylbenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
n-Propylbenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
sec-Butylbenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Styrene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
tert-Butylbenzene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Tertiary-amyl methyl ether	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Tetrachloroethene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Tetrahydrofuran	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722A
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 6.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
trans-1,2-Dichloroethene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
trans-1,3-Dichloropropene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Trichloroethene	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Trichlorofluoromethane	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Vinyl Acetate	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Vinyl Chloride	ND (0.0077)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Xylene O	ND (0.0038)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Xylene P,M	ND (0.0077)		8260B Low		1	02/07/22 18:11	D2B0105	DB20705
Xylenes (Total)	ND (0.00767)		8260B Low		1	02/07/22 18:11		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*116 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*103 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722A
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 19.9
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: BXK
Prepared: 2/7/22 14:06

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (39.9)		8100M		1	02/07/22 22:09	D2B0145	DB20704

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*76 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722A
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 2/7/22 19:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
1,2,4-Trichlorobenzene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
1,2-Dichlorobenzene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
1,3-Dichlorobenzene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
1,4-Dichlorobenzene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2,3,4,6-Tetrachlorophenol	ND (1.85)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2,4,5-Trichlorophenol	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2,4,6-Trichlorophenol	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2,4-Dichlorophenol	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2,4-Dimethylphenol	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2,4-Dinitrophenol	ND (1.85)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2,4-Dinitrotoluene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2,6-Dinitrotoluene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2-Chloronaphthalene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2-Chlorophenol	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2-Methylnaphthalene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2-Methylphenol	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2-Nitroaniline	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
2-Nitrophenol	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
3,3´-Dichlorobenzidine	ND (0.741)		8270D		1	02/07/22 21:13	D2B0131	DB20721
3+4-Methylphenol	ND (0.741)		8270D		1	02/07/22 21:13	D2B0131	DB20721
3-Nitroaniline	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
4,6-Dinitro-2-Methylphenol	ND (1.85)		8270D		1	02/07/22 21:13	D2B0131	DB20721
4-Bromophenyl-phenylether	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
4-Chloro-3-Methylphenol	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
4-Chloroaniline	ND (0.741)		8270D		1	02/07/22 21:13	D2B0131	DB20721
4-Chloro-phenyl-phenyl ether	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
4-Nitroaniline	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
4-Nitrophenol	ND (1.85)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Acenaphthene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Acenaphthylene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Acetophenone	ND (0.741)		8270D		1	02/07/22 21:13	D2B0131	DB20721

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722A
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 2/7/22 19:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.741)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Anthracene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Azobenzene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Benzo(a)anthracene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Benzo(a)pyrene	ND (0.185)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Benzo(b)fluoranthene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Benzo(g,h,i)perylene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Benzo(k)fluoranthene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Benzoic Acid	ND (1.85)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Benzyl Alcohol	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
bis(2-Chloroethoxy)methane	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
bis(2-Chloroethyl)ether	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
bis(2-chloroisopropyl)Ether	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
bis(2-Ethylhexyl)phthalate	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Butylbenzylphthalate	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Carbazole	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Chrysene	ND (0.185)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Dibenzo(a,h)Anthracene	ND (0.185)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Dibenzofuran	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Diethylphthalate	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Dimethylphthalate	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Di-n-butylphthalate	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Di-n-octylphthalate	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Fluoranthene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Fluorene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Hexachlorobenzene	ND (0.185)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Hexachlorobutadiene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Hexachlorocyclopentadiene	ND (1.85)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Hexachloroethane	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Indeno(1,2,3-cd)Pyrene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Isophorone	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Naphthalene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722A
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 2/7/22 19:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
N-Nitrosodimethylamine	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
N-Nitroso-Di-n-Propylamine	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
N-nitrosodiphenylamine	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Pentachlorophenol	ND (1.85)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Phenanthrene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Phenol	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Pyrene	ND (0.370)		8270D		1	02/07/22 21:13	D2B0131	DB20721
Pyridine	ND (1.85)		8270D		1	02/07/22 21:13	D2B0131	DB20721

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*56 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*75 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*58 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*60 %*		*30-130*
Surrogate: 2-Fluorophenol	*57 %*		*30-130*
Surrogate: Nitrobenzene-d5	*57 %*		*30-130*
Surrogate: Phenol-d6	*60 %*		*30-130*
Surrogate: p-Terphenyl-d14	*86 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722B
Date Sampled: 02/07/22 10:00
Percent Solids: 94

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.81)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Arsenic	ND (2.40)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Beryllium	**0.20** (0.11)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Cadmium	ND (0.48)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Chromium	**14.1** (0.96)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Copper	**18.3** (2.40)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Lead	**6.45** (4.81)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Mercury	ND (0.032)		7471B		1	BJV	02/08/22 15:12	0.66	40	DB20745
Nickel	**9.52** (2.40)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Selenium	ND (4.81)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Silver	ND (0.48)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Thallium	ND (4.81)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735
Zinc	**27.5** (2.40)		6010C		1	NAR	02/08/22 9:33	2.21	100	DB20735

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722B
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 9.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,1,1-Trichloroethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,1,2,2-Tetrachloroethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,1,2-Trichloroethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,1-Dichloroethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,1-Dichloroethene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,1-Dichloropropene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,2,3-Trichlorobenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,2,3-Trichloropropane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,2,4-Trichlorobenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,2,4-Trimethylbenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,2-Dibromo-3-Chloropropane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,2-Dibromoethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,2-Dichlorobenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,2-Dichloroethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,2-Dichloropropane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,3,5-Trimethylbenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,3-Dichlorobenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,3-Dichloropropane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,4-Dichlorobenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1,4-Dioxane	ND (0.0542)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
1-Chlorohexane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
2,2-Dichloropropane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
2-Butanone	ND (0.0271)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
2-Chlorotoluene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
2-Hexanone	ND (0.0271)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
4-Chlorotoluene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
4-Isopropyltoluene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
4-Methyl-2-Pentanone	ND (0.0271)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Acetone	ND (0.0271)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Benzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Bromobenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722B
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 9.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Bromodichloromethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Bromoform	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Bromomethane	ND (0.0054)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Carbon Disulfide	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Carbon Tetrachloride	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Chlorobenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Chloroethane	ND (0.0054)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Chloroform	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Chloromethane	ND (0.0054)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
cis-1,2-Dichloroethene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
cis-1,3-Dichloropropene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Dibromochloromethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Dibromomethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Dichlorodifluoromethane	ND (0.0054)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Diethyl Ether	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Di-isopropyl ether	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Ethyl tertiary-butyl ether	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Ethylbenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Hexachlorobutadiene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Isopropylbenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Methyl tert-Butyl Ether	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Methylene Chloride	ND (0.0135)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Naphthalene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
n-Butylbenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
n-Propylbenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
sec-Butylbenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Styrene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
tert-Butylbenzene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Tertiary-amyl methyl ether	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Tetrachloroethene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Tetrahydrofuran	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722B
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 9.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
trans-1,2-Dichloroethene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
trans-1,3-Dichloropropene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Trichloroethene	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Trichlorofluoromethane	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Vinyl Acetate	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Vinyl Chloride	ND (0.0054)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Xylene O	ND (0.0027)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Xylene P,M	ND (0.0054)		8260B Low		1	02/07/22 18:37	D2B0105	DB20705
Xylenes (Total)	ND (0.00542)		8260B Low		1	02/07/22 18:37		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*117 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*103 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722B
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 20
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: BXK
Prepared: 2/7/22 14:06

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (39.8)		8100M		1	02/07/22 22:43	D2B0145	DB20704

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*75 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722B
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 2/7/22 19:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
1,2,4-Trichlorobenzene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
1,2-Dichlorobenzene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
1,3-Dichlorobenzene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
1,4-Dichlorobenzene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2,3,4,6-Tetrachlorophenol	ND (1.73)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2,4,5-Trichlorophenol	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2,4,6-Trichlorophenol	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2,4-Dichlorophenol	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2,4-Dimethylphenol	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2,4-Dinitrophenol	ND (1.73)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2,4-Dinitrotoluene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2,6-Dinitrotoluene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2-Chloronaphthalene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2-Chlorophenol	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2-Methylnaphthalene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2-Methylphenol	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2-Nitroaniline	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
2-Nitrophenol	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
3,3´-Dichlorobenzidine	ND (0.690)		8270D		1	02/07/22 21:44	D2B0131	DB20721
3+4-Methylphenol	ND (0.690)		8270D		1	02/07/22 21:44	D2B0131	DB20721
3-Nitroaniline	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
4,6-Dinitro-2-Methylphenol	ND (1.73)		8270D		1	02/07/22 21:44	D2B0131	DB20721
4-Bromophenyl-phenylether	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
4-Chloro-3-Methylphenol	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
4-Chloroaniline	ND (0.690)		8270D		1	02/07/22 21:44	D2B0131	DB20721
4-Chloro-phenyl-phenyl ether	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
4-Nitroaniline	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
4-Nitrophenol	ND (1.73)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Acenaphthene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Acenaphthylene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Acetophenone	ND (0.690)		8270D		1	02/07/22 21:44	D2B0131	DB20721

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722B
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 2/7/22 19:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.690)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Anthracene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Azobenzene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Benzo(a)anthracene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Benzo(a)pyrene	ND (0.173)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Benzo(b)fluoranthene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Benzo(g,h,i)perylene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Benzo(k)fluoranthene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Benzoic Acid	ND (1.73)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Benzyl Alcohol	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
bis(2-Chloroethoxy)methane	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
bis(2-Chloroethyl)ether	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
bis(2-chloroisopropyl)Ether	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
bis(2-Ethylhexyl)phthalate	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Butylbenzylphthalate	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Carbazole	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Chrysene	ND (0.173)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Dibenzo(a,h)Anthracene	ND (0.173)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Dibenzofuran	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Diethylphthalate	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Dimethylphthalate	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Di-n-butylphthalate	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Di-n-octylphthalate	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Fluoranthene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Fluorene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Hexachlorobenzene	ND (0.173)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Hexachlorobutadiene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Hexachlorocyclopentadiene	ND (1.73)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Hexachloroethane	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Indeno(1,2,3-cd)Pyrene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Isophorone	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Naphthalene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722B
Date Sampled: 02/07/22 10:00
Percent Solids: 94
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 2/7/22 19:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
N-Nitrosodimethylamine	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
N-Nitroso-Di-n-Propylamine	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
N-nitrosodiphenylamine	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Pentachlorophenol	ND (1.73)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Phenanthrene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Phenol	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Pyrene	ND (0.345)		8270D		1	02/07/22 21:44	D2B0131	DB20721
Pyridine	ND (1.73)		8270D		1	02/07/22 21:44	D2B0131	DB20721

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*57 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*83 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*58 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*64 %*		*30-130*
Surrogate: 2-Fluorophenol	*59 %*		*30-130*
Surrogate: Nitrobenzene-d5	*59 %*		*30-130*
Surrogate: Phenol-d6	*63 %*		*30-130*
Surrogate: p-Terphenyl-d14	*94 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722C
Date Sampled: 02/07/22 10:00
Percent Solids: 96

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.56)		6010C		1	NAR	02/08/22 11:38	2.04	100	DB20735

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722D
Date Sampled: 02/07/22 10:00
Percent Solids: 94

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.53)		6010C		1	NAR	02/08/22 9:36	2.1	100	DB20735

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722E
Date Sampled: 02/07/22 10:00
Percent Solids: 94

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-05
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.55)		6010C		1	NAR	02/08/22 9:38	2.09	100	DB20735

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722F
Date Sampled: 02/07/22 10:00
Percent Solids: 93

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-06
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.57)		6010C		1	NAR	02/08/22 9:39	2.08	100	DB20735

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP020722G
Date Sampled: 02/07/22 10:00
Percent Solids: 95

ESS Laboratory Work Order: 22B0164
ESS Laboratory Sample ID: 22B0164-07
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.34)		6010C		1	NAR	02/08/22 9:41	2.25	100	DB20735

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Total Metals

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch DB20735 - 3050B										
Blank										
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	5.00	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	46.6	15.6	mg/kg wet	43.90		106	80-120			
Arsenic	86.3	7.81	mg/kg wet	93.10		93	80-120			
Beryllium	63.4	0.34	mg/kg wet	68.80		92	80-120			
Cadmium	266	1.56	mg/kg wet	301.0		88	80-120			
Chromium	292	3.12	mg/kg wet	326.0		90	80-120			
Copper	170	7.81	mg/kg wet	188.0		90	80-120			
Lead	182	15.6	mg/kg wet	192.0		95	80-120			
Nickel	290	7.81	mg/kg wet	322.0		90	80-120			
Selenium	233	15.6	mg/kg wet	270.0		86	80-120			
Silver	59.3	1.56	mg/kg wet	63.70		93	80-120			
Thallium	245	15.6	mg/kg wet	263.0		93	80-120			
Zinc	275	7.81	mg/kg wet	307.0		90	80-120			
LCS Dup										
Antimony	49.0	16.7	mg/kg wet	43.90		112	80-120	5	20	
Arsenic	86.8	8.33	mg/kg wet	93.10		93	80-120	0.7	20	
Beryllium	64.9	0.37	mg/kg wet	68.80		94	80-120	2	20	
Cadmium	271	1.67	mg/kg wet	301.0		90	80-120	2	20	
Chromium	298	3.33	mg/kg wet	326.0		92	80-120	2	20	
Copper	173	8.33	mg/kg wet	188.0		92	80-120	2	20	
Lead	184	16.7	mg/kg wet	192.0		96	80-120	1	20	
Nickel	295	8.33	mg/kg wet	322.0		92	80-120	2	20	
Selenium	236	16.7	mg/kg wet	270.0		88	80-120	1	20	
Silver	60.0	1.67	mg/kg wet	63.70		94	80-120	1	20	
Thallium	253	16.7	mg/kg wet	263.0		96	80-120	3	20	
Zinc	268	8.33	mg/kg wet	307.0		87	80-120	3	20	
Batch DB20745 - 3050B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	20.5	3.09	mg/kg wet	15.40		133	80-134			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DB20745 - 3050B										
LCS Dup										
Mercury	19.6	2.91	mg/kg wet	15.40		127	80-134	5	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch DB20705 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DB20705 - 5035										
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0539*		mg/kg wet	*0.05000*		*108*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0494*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0493*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Toluene-d8	*0.0497*		mg/kg wet	*0.05000*		*99*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0396	0.0050	mg/kg wet	0.05000		79	70-130			
1,1,1-Trichloroethane	0.0452	0.0050	mg/kg wet	0.05000		90	70-130			
1,1,2,2-Tetrachloroethane	0.0445	0.0050	mg/kg wet	0.05000		89	70-130			
1,1,2-Trichloroethane	0.0450	0.0050	mg/kg wet	0.05000		90	70-130			
1,1-Dichloroethane	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
1,1-Dichloroethene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DB20705 - 5035										
1,1-Dichloropropene	0.0475	0.0050	mg/kg wet	0.05000		95	70-130			
1,2,3-Trichlorobenzene	0.0447	0.0050	mg/kg wet	0.05000		89	70-130			
1,2,3-Trichloropropane	0.0423	0.0050	mg/kg wet	0.05000		85	70-130			
1,2,4-Trichlorobenzene	0.0446	0.0050	mg/kg wet	0.05000		89	70-130			
1,2,4-Trimethylbenzene	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
1,2-Dibromo-3-Chloropropane	0.0381	0.0050	mg/kg wet	0.05000		76	70-130			
1,2-Dibromoethane	0.0428	0.0050	mg/kg wet	0.05000		86	70-130			
1,2-Dichlorobenzene	0.0462	0.0050	mg/kg wet	0.05000		92	70-130			
1,2-Dichloroethane	0.0479	0.0050	mg/kg wet	0.05000		96	70-130			
1,2-Dichloropropane	0.0453	0.0050	mg/kg wet	0.05000		91	70-130			
1,3,5-Trimethylbenzene	0.0467	0.0050	mg/kg wet	0.05000		93	70-130			
1,3-Dichlorobenzene	0.0457	0.0050	mg/kg wet	0.05000		91	70-130			
1,3-Dichloropropane	0.0456	0.0050	mg/kg wet	0.05000		91	70-130			
1,4-Dichlorobenzene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
1,4-Dioxane	0.920	0.100	mg/kg wet	1.000		92	70-130			
1-Chlorohexane	0.0418	0.0050	mg/kg wet	0.05000		84	70-130			
2,2-Dichloropropane	0.0442	0.0050	mg/kg wet	0.05000		88	70-130			
2-Butanone	0.279	0.0500	mg/kg wet	0.2500		112	70-130			
2-Chlorotoluene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
2-Hexanone	0.255	0.0500	mg/kg wet	0.2500		102	70-130			
4-Chlorotoluene	0.0471	0.0050	mg/kg wet	0.05000		94	70-130			
4-Isopropyltoluene	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
4-Methyl-2-Pentanone	0.245	0.0500	mg/kg wet	0.2500		98	70-130			
Acetone	0.323	0.0500	mg/kg wet	0.2500		129	70-130			
Benzene	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			
Bromobenzene	0.0453	0.0050	mg/kg wet	0.05000		91	70-130			
Bromochloromethane	0.0466	0.0050	mg/kg wet	0.05000		93	70-130			
Bromodichloromethane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
Bromoform	0.0346	0.0050	mg/kg wet	0.05000		69	70-130			B-
Bromomethane	0.0597	0.0100	mg/kg wet	0.05000		119	70-130			
Carbon Disulfide	0.0497	0.0050	mg/kg wet	0.05000		99	70-130			
Carbon Tetrachloride	0.0443	0.0050	mg/kg wet	0.05000		89	70-130			
Chlorobenzene	0.0447	0.0050	mg/kg wet	0.05000		89	70-130			
Chloroethane	0.0524	0.0100	mg/kg wet	0.05000		105	70-130			
Chloroform	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
Chloromethane	0.0440	0.0100	mg/kg wet	0.05000		88	70-130			
cis-1,2-Dichloroethene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130			
cis-1,3-Dichloropropene	0.0449	0.0050	mg/kg wet	0.05000		90	70-130			
Dibromochloromethane	0.0439	0.0050	mg/kg wet	0.05000		88	70-130			
Dibromomethane	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
Dichlorodifluoromethane	0.0452	0.0100	mg/kg wet	0.05000		90	70-130			
Diethyl Ether	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
Di-isopropyl ether	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
Ethyl tertiary-butyl ether	0.0455	0.0050	mg/kg wet	0.05000		91	70-130			
Ethylbenzene	0.0445	0.0050	mg/kg wet	0.05000		89	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DB20705 - 5035										
Hexachlorobutadiene	0.0444	0.0050	mg/kg wet	0.05000		89	70-130			
Isopropylbenzene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
Methyl tert-Butyl Ether	0.0451	0.0050	mg/kg wet	0.05000		90	70-130			
Methylene Chloride	0.0478	0.0250	mg/kg wet	0.05000		96	70-130			
Naphthalene	0.0405	0.0050	mg/kg wet	0.05000		81	70-130			
n-Butylbenzene	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
n-Propylbenzene	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
sec-Butylbenzene	0.0457	0.0050	mg/kg wet	0.05000		91	70-130			
Styrene	0.0437	0.0050	mg/kg wet	0.05000		87	70-130			
tert-Butylbenzene	0.0464	0.0050	mg/kg wet	0.05000		93	70-130			
Tertiary-amyl methyl ether	0.0432	0.0050	mg/kg wet	0.05000		86	70-130			
Tetrachloroethene	0.0427	0.0050	mg/kg wet	0.05000		85	70-130			
Tetrahydrofuran	0.0424	0.0050	mg/kg wet	0.05000		85	70-130			
Toluene	0.0472	0.0050	mg/kg wet	0.05000		94	70-130			
trans-1,2-Dichloroethene	0.0497	0.0050	mg/kg wet	0.05000		99	70-130			
trans-1,3-Dichloropropene	0.0421	0.0050	mg/kg wet	0.05000		84	70-130			
Trichloroethene	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
Trichlorofluoromethane	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
Vinyl Acetate	0.0424	0.0050	mg/kg wet	0.05000		85	70-130			
Vinyl Chloride	0.0575	0.0100	mg/kg wet	0.05000		115	70-130			
Xylene O	0.0447	0.0050	mg/kg wet	0.05000		89	70-130			
Xylene P,M	0.0917	0.0100	mg/kg wet	0.1000		92	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0524*		mg/kg wet	*0.05000*		*105*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0492*		mg/kg wet	*0.05000*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0511*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.0494*		mg/kg wet	*0.05000*		*99*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0464	0.0050	mg/kg wet	0.05000		93	70-130	16	25	
1,1,1-Trichloroethane	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	12	25	
1,1,2,2-Tetrachloroethane	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	9	25	
1,1,2-Trichloroethane	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	7	25	
1,1-Dichloroethane	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	10	25	
1,1-Dichloroethene	0.0582	0.0050	mg/kg wet	0.05000		116	70-130	12	25	
1,1-Dichloropropene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	11	25	
1,2,3-Trichlorobenzene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	8	25	
1,2,3-Trichloropropane	0.0456	0.0050	mg/kg wet	0.05000		91	70-130	8	25	
1,2,4-Trichlorobenzene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130	10	25	
1,2,4-Trimethylbenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	12	25	
1,2-Dibromo-3-Chloropropane	0.0403	0.0050	mg/kg wet	0.05000		81	70-130	6	25	
1,2-Dibromoethane	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	13	25	
1,2-Dichlorobenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	10	25	
1,2-Dichloroethane	0.0514	0.0050	mg/kg wet	0.05000		103	70-130	7	25	
1,2-Dichloropropane	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	9	25	
1,3,5-Trimethylbenzene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	13	25	
1,3-Dichlorobenzene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	12	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DB20705 - 5035										
1,3-Dichloropropane	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	12	25	
1,4-Dichlorobenzene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	10	25	
1,4-Dioxane	0.960	0.100	mg/kg wet	1.000		96	70-130	4	20	
1-Chlorohexane	0.0496	0.0050	mg/kg wet	0.05000		99	70-130	17	25	
2,2-Dichloropropane	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	12	25	
2-Butanone	0.290	0.0500	mg/kg wet	0.2500		116	70-130	4	25	
2-Chlorotoluene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	11	25	
2-Hexanone	0.267	0.0500	mg/kg wet	0.2500		107	70-130	4	25	
4-Chlorotoluene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	12	25	
4-Isopropyltoluene	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	13	25	
4-Methyl-2-Pentanone	0.250	0.0500	mg/kg wet	0.2500		100	70-130	2	25	
Acetone	0.318	0.0500	mg/kg wet	0.2500		127	70-130	1	25	
Benzene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	10	25	
Bromobenzene	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	12	25	
Bromochloromethane	0.0500	0.0050	mg/kg wet	0.05000		100	70-130	7	25	
Bromodichloromethane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	9	25	
Bromoform	0.0400	0.0050	mg/kg wet	0.05000		80	70-130	15	25	
Bromomethane	0.0700	0.0100	mg/kg wet	0.05000		140	70-130	16	25	B+
Carbon Disulfide	0.0560	0.0050	mg/kg wet	0.05000		112	70-130	12	25	
Carbon Tetrachloride	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	14	25	
Chlorobenzene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	14	25	
Chloroethane	0.0580	0.0100	mg/kg wet	0.05000		116	70-130	10	25	
Chloroform	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	10	25	
Chloromethane	0.0477	0.0100	mg/kg wet	0.05000		95	70-130	8	25	
cis-1,2-Dichloroethene	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	11	25	
cis-1,3-Dichloropropene	0.0488	0.0050	mg/kg wet	0.05000		98	70-130	8	25	
Dibromochloromethane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130	15	25	
Dibromomethane	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	7	25	
Dichlorodifluoromethane	0.0504	0.0100	mg/kg wet	0.05000		101	70-130	11	25	
Diethyl Ether	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	7	25	
Di-isopropyl ether	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	9	25	
Ethyl tertiary-butyl ether	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	8	25	
Ethylbenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	15	25	
Hexachlorobutadiene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	13	25	
Isopropylbenzene	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	13	25	
Methyl tert-Butyl Ether	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	6	25	
Methylene Chloride	0.0521	0.0250	mg/kg wet	0.05000		104	70-130	8	25	
Naphthalene	0.0435	0.0050	mg/kg wet	0.05000		87	70-130	7	25	
n-Butylbenzene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	14	25	
n-Propylbenzene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	13	25	
sec-Butylbenzene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	14	25	
Styrene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	14	25	
tert-Butylbenzene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	14	25	
Tertiary-amyl methyl ether	0.0468	0.0050	mg/kg wet	0.05000		94	70-130	8	25	
Tetrachloroethene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130	20	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DB20705 - 5035										
Tetrahydrofuran	0.0433	0.0050	mg/kg wet	0.05000		87	70-130	2	25	
Toluene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130	10	25	
trans-1,2-Dichloroethene	0.0557	0.0050	mg/kg wet	0.05000		111	70-130	12	25	
trans-1,3-Dichloropropene	0.0453	0.0050	mg/kg wet	0.05000		91	70-130	7	25	
Trichloroethene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	13	25	
Trichlorofluoromethane	0.0586	0.0050	mg/kg wet	0.05000		117	70-130	12	25	
Vinyl Acetate	0.0449	0.0050	mg/kg wet	0.05000		90	70-130	6	25	
Vinyl Chloride	0.0642	0.0100	mg/kg wet	0.05000		128	70-130	11	25	
Xylene O	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	14	25	
Xylene P,M	0.107	0.0100	mg/kg wet	0.1000		107	70-130	15	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0505*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0502*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0505*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0515*		mg/kg wet	*0.05000*		*103*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch DB20704 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.07*		mg/kg wet	*5.000*		*81*	*40-140*			
LCS										
Decane (C10)	1.6	0.2	mg/kg wet	2.500		63	40-140			
Docosane (C22)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Dodecane (C12)	1.8	0.2	mg/kg wet	2.500		70	40-140			
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		94	40-140			
Hexadecane (C16)	2.2	0.2	mg/kg wet	2.500		86	40-140			
Nonadecane (C19)	2.3	0.2	mg/kg wet	2.500		94	40-140			
Nonane (C9)	1.7	0.2	mg/kg wet	2.500		69	30-140			
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		89	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DB20704 - 3546										
Tetracosane (C24)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Tetradecane (C14)	1.9	0.2	mg/kg wet	2.500		76	40-140			
Total Petroleum Hydrocarbons	31.1	37.5	mg/kg wet	35.00		89	40-140			
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		93	40-140			
Surrogate: O-Terphenyl	*4.23*		mg/kg wet	*5.000*		*85*	*40-140*			
LCS Dup										
Decane (C10)	1.5	0.2	mg/kg wet	2.500		60	40-140	5	25	
Docosane (C22)	2.0	0.2	mg/kg wet	2.500		81	40-140	11	25	
Dodecane (C12)	1.7	0.2	mg/kg wet	2.500		69	40-140	1	25	
Eicosane (C20)	2.0	0.2	mg/kg wet	2.500		80	40-140	13	25	
Hexacosane (C26)	2.1	0.2	mg/kg wet	2.500		82	40-140	13	25	
Hexadecane (C16)	1.8	0.2	mg/kg wet	2.500		70	40-140	20	25	
Nonadecane (C19)	2.1	0.2	mg/kg wet	2.500		83	40-140	12	25	
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		66	30-140	5	25	
Octacosane (C28)	2.0	0.2	mg/kg wet	2.500		81	40-140	12	25	
Octadecane (C18)	2.0	0.2	mg/kg wet	2.500		78	40-140	12	25	
Tetracosane (C24)	1.8	0.2	mg/kg wet	2.500		73	40-140	13	25	
Tetradecane (C14)	1.7	0.2	mg/kg wet	2.500		68	40-140	12	25	
Total Petroleum Hydrocarbons	28.0	37.5	mg/kg wet	35.00		80	40-140	11	25	
Triacontane (C30)	2.1	0.2	mg/kg wet	2.500		82	40-140	12	25	
Surrogate: O-Terphenyl	*3.79*		mg/kg wet	*5.000*		*76*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DB20721 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DB20721 - 3546										
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DB20721 - 3546										
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.34*		mg/kg wet	*3.333*		*70*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.46*		mg/kg wet	*5.000*		*89*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.76*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.51*		mg/kg wet	*3.333*		*75*	*30-130*			
Surrogate: 2-Fluorophenol	*3.73*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.38*		mg/kg wet	*3.333*		*71*	*30-130*			
Surrogate: Phenol-d6	*3.74*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.38*		mg/kg wet	*3.333*		*101*	*30-130*			
LCS										
1,1-Biphenyl	1.94	0.333	mg/kg wet	3.333		58	40-140			
1,2,4-Trichlorobenzene	1.79	0.333	mg/kg wet	3.333		54	40-140			
1,2-Dichlorobenzene	1.72	0.333	mg/kg wet	3.333		52	40-140			
1,3-Dichlorobenzene	1.70	0.333	mg/kg wet	3.333		51	40-140			
1,4-Dichlorobenzene	1.68	0.333	mg/kg wet	3.333		50	40-140			
2,3,4,6-Tetrachlorophenol	2.82	1.67	mg/kg wet	3.333		85	30-130			
2,4,5-Trichlorophenol	2.39	0.333	mg/kg wet	3.333		72	30-130			
2,4,6-Trichlorophenol	2.24	0.333	mg/kg wet	3.333		67	30-130			
2,4-Dichlorophenol	2.00	0.333	mg/kg wet	3.333		60	30-130			
2,4-Dimethylphenol	2.00	0.333	mg/kg wet	3.333		60	30-130			
2,4-Dinitrophenol	1.63	1.67	mg/kg wet	3.333		49	30-130			
2,4-Dinitrotoluene	2.75	0.333	mg/kg wet	3.333		82	40-140			
2,6-Dinitrotoluene	2.52	0.333	mg/kg wet	3.333		75	40-140			
2-Chloronaphthalene	1.95	0.333	mg/kg wet	3.333		59	40-140			
2-Chlorophenol	1.89	0.333	mg/kg wet	3.333		57	30-130			
2-Methylnaphthalene	1.90	0.333	mg/kg wet	3.333		57	40-140			
2-Methylphenol	1.91	0.333	mg/kg wet	3.333		57	30-130			
2-Nitroaniline	2.50	0.333	mg/kg wet	3.333		75	40-140			
2-Nitrophenol	1.80	0.333	mg/kg wet	3.333		54	30-130			
3,3´-Dichlorobenzidine	1.93	0.667	mg/kg wet	3.333		58	40-140			
3+4-Methylphenol	4.47	0.667	mg/kg wet	6.667		67	30-130			
3-Nitroaniline	2.16	0.333	mg/kg wet	3.333		65	40-140			
4,6-Dinitro-2-Methylphenol	1.78	1.67	mg/kg wet	3.333		53	30-130			
4-Bromophenyl-phenylether	2.57	0.333	mg/kg wet	3.333		77	40-140			
4-Chloro-3-Methylphenol	2.25	0.333	mg/kg wet	3.333		68	30-130			
4-Chloroaniline	1.22	0.667	mg/kg wet	3.333		37	40-140			B-

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DB20721 - 3546										
4-Chloro-phenyl-phenyl ether	2.24	0.333	mg/kg wet	3.333		67	40-140			
4-Nitroaniline	2.86	0.333	mg/kg wet	3.333		86	40-140			
4-Nitrophenol	2.50	1.67	mg/kg wet	3.333		75	30-130			
Acenaphthene	2.01	0.333	mg/kg wet	3.333		60	40-140			
Acenaphthylene	1.80	0.333	mg/kg wet	3.333		54	40-140			
Acetophenone	1.98	0.667	mg/kg wet	3.333		60	40-140			
Aniline	1.34	0.667	mg/kg wet	3.333		40	40-140			
Anthracene	2.59	0.333	mg/kg wet	3.333		78	40-140			
Azobenzene	2.37	0.333	mg/kg wet	3.333		71	40-140			
Benzo(a)anthracene	2.75	0.333	mg/kg wet	3.333		83	40-140			
Benzo(a)pyrene	2.78	0.167	mg/kg wet	3.333		83	40-140			
Benzo(b)fluoranthene	2.75	0.333	mg/kg wet	3.333		82	40-140			
Benzo(g,h,i)perylene	2.75	0.333	mg/kg wet	3.333		82	40-140			
Benzo(k)fluoranthene	2.95	0.333	mg/kg wet	3.333		89	40-140			
Benzoic Acid	1.77	1.67	mg/kg wet	3.333		53	40-140			
Benzyl Alcohol	1.57	0.333	mg/kg wet	3.333		47	40-140			
bis(2-Chloroethoxy)methane	1.85	0.333	mg/kg wet	3.333		56	40-140			
bis(2-Chloroethyl)ether	1.83	0.333	mg/kg wet	3.333		55	40-140			
bis(2-chloroisopropyl)Ether	1.79	0.333	mg/kg wet	3.333		54	40-140			
bis(2-Ethylhexyl)phthalate	2.84	0.333	mg/kg wet	3.333		85	40-140			
Butylbenzylphthalate	2.79	0.333	mg/kg wet	3.333		84	40-140			
Carbazole	2.65	0.333	mg/kg wet	3.333		80	40-140			
Chrysene	2.79	0.167	mg/kg wet	3.333		84	40-140			
Dibenzo(a,h)Anthracene	2.70	0.167	mg/kg wet	3.333		81	40-140			
Dibenzofuran	2.07	0.333	mg/kg wet	3.333		62	40-140			
Diethylphthalate	2.49	0.333	mg/kg wet	3.333		75	40-140			
Dimethylphthalate	2.37	0.333	mg/kg wet	3.333		71	40-140			
Di-n-butylphthalate	2.90	0.333	mg/kg wet	3.333		87	40-140			
Di-n-octylphthalate	2.95	0.333	mg/kg wet	3.333		89	40-140			
Fluoranthene	2.80	0.333	mg/kg wet	3.333		84	40-140			
Fluorene	2.34	0.333	mg/kg wet	3.333		70	40-140			
Hexachlorobenzene	2.61	0.167	mg/kg wet	3.333		78	40-140			
Hexachlorobutadiene	1.74	0.333	mg/kg wet	3.333		52	40-140			
Hexachlorocyclopentadiene	1.26	1.67	mg/kg wet	3.333		38	40-140			B-
Hexachloroethane	1.74	0.333	mg/kg wet	3.333		52	40-140			
Indeno(1,2,3-cd)Pyrene	2.91	0.333	mg/kg wet	3.333		87	40-140			
Isophorone	1.68	0.333	mg/kg wet	3.333		50	40-140			
Naphthalene	1.80	0.333	mg/kg wet	3.333		54	40-140			
Nitrobenzene	1.74	0.333	mg/kg wet	3.333		52	40-140			
N-Nitrosodimethylamine	1.47	0.333	mg/kg wet	3.333		44	40-140			
N-Nitroso-Di-n-Propylamine	2.05	0.333	mg/kg wet	3.333		61	40-140			
N-nitrosodiphenylamine	2.85	0.333	mg/kg wet	3.333		85	40-140			
Pentachlorophenol	2.68	1.67	mg/kg wet	3.333		80	30-130			
Phenanthrene	2.56	0.333	mg/kg wet	3.333		77	40-140			
Phenol	1.91	0.333	mg/kg wet	3.333		57	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DB20721 - 3546										
Pyrene	2.79	0.333	mg/kg wet	3.333		84	40-140			
Pyridine	1.46	1.67	mg/kg wet	3.333		44	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*1.95*		mg/kg wet	*3.333*		*58*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.94*		mg/kg wet	*5.000*		*99*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.18*		mg/kg wet	*5.000*		*64*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.20*		mg/kg wet	*3.333*		*66*	*30-130*			
Surrogate: 2-Fluorophenol	*3.07*		mg/kg wet	*5.000*		*61*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.02*		mg/kg wet	*3.333*		*61*	*30-130*			
Surrogate: Phenol-d6	*3.27*		mg/kg wet	*5.000*		*65*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.19*		mg/kg wet	*3.333*		*96*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.10	0.333	mg/kg wet	3.333		63	40-140	8	30	
1,2,4-Trichlorobenzene	1.97	0.333	mg/kg wet	3.333		59	40-140	10	30	
1,2-Dichlorobenzene	1.90	0.333	mg/kg wet	3.333		57	40-140	10	30	
1,3-Dichlorobenzene	1.89	0.333	mg/kg wet	3.333		57	40-140	11	30	
1,4-Dichlorobenzene	1.88	0.333	mg/kg wet	3.333		56	40-140	11	30	
2,3,4,6-Tetrachlorophenol	2.91	1.67	mg/kg wet	3.333		87	30-130	3	30	
2,4,5-Trichlorophenol	2.46	0.333	mg/kg wet	3.333		74	30-130	3	30	
2,4,6-Trichlorophenol	2.36	0.333	mg/kg wet	3.333		71	30-130	5	30	
2,4-Dichlorophenol	2.16	0.333	mg/kg wet	3.333		65	30-130	8	30	
2,4-Dimethylphenol	2.13	0.333	mg/kg wet	3.333		64	30-130	7	30	
2,4-Dinitrophenol	1.76	1.67	mg/kg wet	3.333		53	30-130	8	30	
2,4-Dinitrotoluene	2.72	0.333	mg/kg wet	3.333		81	40-140	1	30	
2,6-Dinitrotoluene	2.65	0.333	mg/kg wet	3.333		80	40-140	5	30	
2-Chloronaphthalene	2.01	0.333	mg/kg wet	3.333		60	40-140	3	30	
2-Chlorophenol	2.02	0.333	mg/kg wet	3.333		60	30-130	7	30	
2-Methylnaphthalene	2.06	0.333	mg/kg wet	3.333		62	40-140	8	30	
2-Methylphenol	2.03	0.333	mg/kg wet	3.333		61	30-130	6	30	
2-Nitroaniline	2.50	0.333	mg/kg wet	3.333		75	40-140	0.2	30	
2-Nitrophenol	2.01	0.333	mg/kg wet	3.333		60	30-130	11	30	
3,3´-Dichlorobenzidine	2.32	0.667	mg/kg wet	3.333		70	40-140	18	30	
3+4-Methylphenol	4.60	0.667	mg/kg wet	6.667		69	30-130	3	30	
3-Nitroaniline	2.37	0.333	mg/kg wet	3.333		71	40-140	9	30	
4,6-Dinitro-2-Methylphenol	1.94	1.67	mg/kg wet	3.333		58	30-130	9	30	
4-Bromophenyl-phenylether	2.64	0.333	mg/kg wet	3.333		79	40-140	2	30	
4-Chloro-3-Methylphenol	2.31	0.333	mg/kg wet	3.333		69	30-130	3	30	
4-Chloroaniline	1.55	0.667	mg/kg wet	3.333		47	40-140	24	30	
4-Chloro-phenyl-phenyl ether	2.30	0.333	mg/kg wet	3.333		69	40-140	2	30	
4-Nitroaniline	2.97	0.333	mg/kg wet	3.333		89	40-140	4	30	
4-Nitrophenol	2.57	1.67	mg/kg wet	3.333		77	30-130	3	30	
Acenaphthene	2.13	0.333	mg/kg wet	3.333		64	40-140	5	30	
Acenaphthylene	1.92	0.333	mg/kg wet	3.333		58	40-140	6	30	
Acetophenone	2.12	0.667	mg/kg wet	3.333		63	40-140	6	30	
Aniline	1.54	0.667	mg/kg wet	3.333		46	40-140	14	30	
Anthracene	2.63	0.333	mg/kg wet	3.333		79	40-140	2	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DB20721 - 3546										
Azobenzene	2.43	0.333	mg/kg wet	3.333		73	40-140	2	30	
Benzo(a)anthracene	2.76	0.333	mg/kg wet	3.333		83	40-140	0.3	30	
Benzo(a)pyrene	2.79	0.167	mg/kg wet	3.333		84	40-140	0.5	30	
Benzo(b)fluoranthene	2.76	0.333	mg/kg wet	3.333		83	40-140	0.7	30	
Benzo(g,h,i)perylene	2.76	0.333	mg/kg wet	3.333		83	40-140	0.4	30	
Benzo(k)fluoranthene	2.94	0.333	mg/kg wet	3.333		88	40-140	0.4	30	
Benzoic Acid	2.00	1.67	mg/kg wet	3.333		60	40-140	12	30	
Benzyl Alcohol	1.79	0.333	mg/kg wet	3.333		54	40-140	13	30	
bis(2-Chloroethoxy)methane	2.07	0.333	mg/kg wet	3.333		62	40-140	11	30	
bis(2-Chloroethyl)ether	2.01	0.333	mg/kg wet	3.333		60	40-140	9	30	
bis(2-chloroisopropyl)Ether	1.93	0.333	mg/kg wet	3.333		58	40-140	8	30	
bis(2-Ethylhexyl)phthalate	2.78	0.333	mg/kg wet	3.333		83	40-140	2	30	
Butylbenzylphthalate	2.79	0.333	mg/kg wet	3.333		84	40-140	0.2	30	
Carbazole	2.66	0.333	mg/kg wet	3.333		80	40-140	0.2	30	
Chrysene	2.81	0.167	mg/kg wet	3.333		84	40-140	0.9	30	
Dibenzo(a,h)Anthracene	2.72	0.167	mg/kg wet	3.333		82	40-140	0.6	30	
Dibenzofuran	2.20	0.333	mg/kg wet	3.333		66	40-140	6	30	
Diethylphthalate	2.60	0.333	mg/kg wet	3.333		78	40-140	4	30	
Dimethylphthalate	2.46	0.333	mg/kg wet	3.333		74	40-140	4	30	
Di-n-butylphthalate	2.81	0.333	mg/kg wet	3.333		84	40-140	3	30	
Di-n-octylphthalate	3.05	0.333	mg/kg wet	3.333		91	40-140	3	30	
Fluoranthene	2.85	0.333	mg/kg wet	3.333		86	40-140	2	30	
Fluorene	2.43	0.333	mg/kg wet	3.333		73	40-140	3	30	
Hexachlorobenzene	2.67	0.167	mg/kg wet	3.333		80	40-140	2	30	
Hexachlorobutadiene	1.96	0.333	mg/kg wet	3.333		59	40-140	12	30	
Hexachlorocyclopentadiene	1.42	1.67	mg/kg wet	3.333		43	40-140	12	30	
Hexachloroethane	1.88	0.333	mg/kg wet	3.333		56	40-140	7	30	
Indeno(1,2,3-cd)Pyrene	2.91	0.333	mg/kg wet	3.333		87	40-140	0.07	30	
Isophorone	1.80	0.333	mg/kg wet	3.333		54	40-140	7	30	
Naphthalene	1.97	0.333	mg/kg wet	3.333		59	40-140	9	30	
Nitrobenzene	1.88	0.333	mg/kg wet	3.333		56	40-140	8	30	
N-Nitrosodimethylamine	1.71	0.333	mg/kg wet	3.333		51	40-140	15	30	
N-Nitroso-Di-n-Propylamine	2.15	0.333	mg/kg wet	3.333		65	40-140	5	30	
N-nitrosodiphenylamine	2.84	0.333	mg/kg wet	3.333		85	40-140	0.2	30	
Pentachlorophenol	2.78	1.67	mg/kg wet	3.333		83	30-130	4	30	
Phenanthrene	2.57	0.333	mg/kg wet	3.333		77	40-140	0.3	30	
Phenol	2.01	0.333	mg/kg wet	3.333		60	30-130	5	30	
Pyrene	2.77	0.333	mg/kg wet	3.333		83	40-140	0.6	30	
Pyridine	1.59	1.67	mg/kg wet	3.333		48	40-140	9	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.12*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*5.05*		mg/kg wet	*5.000*		*101*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.47*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.37*		mg/kg wet	*3.333*		*71*	*30-130*			
Surrogate: 2-Fluorophenol	*3.32*		mg/kg wet	*5.000*		*66*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.27*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: Phenol-d6	*3.44*		mg/kg wet	*5.000*		*69*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DB20721 - 3546										
Surrogate: p-Terphenyl-d14	*3.17*		mg/kg wet	*3.333*		*95*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
ESS Laboratory Work Order: 22B0164

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
P	Percent difference between primary and confirmation results exceeds 40% (P).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probable Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22B0164

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: ESS Courier

ESS Project ID: 22B0164
Date Received: 2/7/2022
Project Due Date: 2/8/2022
Days for Project: 1 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 4.5 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? Yes / (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA

13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 2-7-22 Time: 1214 By: TD

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / No
    Who was contacted: Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	255533	Yes	N/A	Yes	VOA Vial	DI Water	
1	255534	Yes	N/A	Yes	VOA Vial	DI Water	
1	255537	Yes	N/A	Yes	VOA Vial	MeOH	
1	255539	Yes	N/A	Yes	8 oz jar	NP	
1	255540	Yes	N/A	Yes	8 oz jar	NP	
2	255535	Yes	N/A	Yes	VOA Vial	DI Water	
2	255536	Yes	N/A	Yes	VOA Vial	DI Water	
2	255538	Yes	N/A	Yes	VOA Vial	MeOH	
2	255541	Yes	N/A	Yes	8 oz jar	NP	
2	255542	Yes	N/A	Yes	8 oz jar	NP	
3	255528	Yes	N/A	Yes	4 oz. Jar	NP	
4	255529	Yes	N/A	Yes	4 oz. Jar	NP	
5	255530	Yes	N/A	Yes	4 oz. Jar	NP	
6	255531	Yes	N/A	Yes	4 oz. Jar	NP	
7	255532	Yes	N/A	Yes	4 oz. Jar	NP	

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 22B0164
Date Received: 2/7/2022

2nd Review
Were all containers scanned into storage/lab? Initials
Are barcode labels on correct containers? Yes / No
Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA
Are all Hex Chrome stickers attached? Yes / No / NA
Are all QC stickers attached? Yes / No / NA
Are VOA stickers attached if bubbles noted? Yes / No / NA

Completed By: Date & Time: 2-7-22 1418
Reviewed By: Date & Time: 1234 2/7/22

CHAIN OF CUSTODY

185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

ESS Lab # 22B0164 | Page 1 of 1

Turn Time: ☐ >5 ☐ 5 ☐ 4 ☐ 3 ☐ 2 ☑ 1 ☐ Same Day

Regulatory State: Criteria:

Is this project for any of the following?: ☐ CT RCP ☐ MA MCP ☑ RGP ☐ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Report in PDF): ☐ Limit Checker ☐ State Forms ☐ EQuIS ☐ Excel ☐ Hard Copy ☐ Enviro Data ☐ CLP-Like Package ☐ Other (Specify) →

CLIENT INFORMATION

Client: GZA GeoEnvironmental
Address: 188 Valley St.
Providence, RI
Phone: 401-421-4140
Email Distribution List: SARA.HAUPT@GZA.COM

PROJECT INFORMATION

Project Name: 642 Allens Ave EPLP
Project Location: Providence, RI
Project Number: 33554.04 / T.6.2
Project Manager: SARA HAUPT
Bill to: GZA
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	VOC 8260	SVOC 8270D	TPH 8100M	T. Metals PP-13	T. As	Total Number of Bottles
1	2/1/22	1000	COMP	SOIL	SP0207224	X	X	X	X	X	
2					SP0207228	X	X	X	X	X	
3					SP0207220					X	
4					SP0207220					X	
5					SP0207228					X	
6					SP0207227					X	
7			↓	↓	SP0207226					X	

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial

Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*

Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*

Sampled by :

Chain needs to be filled out neatly and completely for on time delivery.

Laboratory Use Only
Cooler Temperature (°C): 4.5 i ce

Comments: * Please specify "Other" preservative and containers types in this space
1. RUSH TURN-AROUND: 24 HR.
2. Per Client NGrid Rates Apply - QA 2/7/22

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Disposal Option: ☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
[signature]	2/7/22	1104	[signature]				

CERTIFICATE OF ANALYSIS

Sara Haupt
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: FPLP (03.0033554.04 Task 6.2)
ESS Laboratory Work Order Number: 21D0181

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 6:07 pm, Apr 08, 2021

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

SAMPLE RECEIPT

The following samples were received on April 07, 2021 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on April 7, 2021 at 1335.

Lab Number	Sample Name	Matrix	Analysis
21D0181-01	1.5 Dense Grade	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
21D0181-02	1.5 Dense Grade	Soil	6010C

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

PROJECT NARRATIVE

8270D Semi-Volatile Organic Compounds

D1D0079-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (70% @ 80-120%), 4,6-Dinitro-2-Methylphenol (88% @ 80-120%), Benzoic Acid (84% @ 80-120%), Di-n-octylphthalate (114% @ 80-120%), Pentachlorophenol (96% @ 80-120%)

D1D0079-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Pyridine (28% @ 20%)

D1D0079-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
2,4-Dinitrophenol (30% @ 20%)

D1D0127-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (121% @ 80-120%), 4,6-Dinitro-2-Methylphenol (113% @ 80-120%), Benzoic Acid (115% @ 80-120%), Pentachlorophenol (112% @ 80-120%)

D1D0127-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2,4-Dinitrophenol (21% @ 20%)

DD10608-BS1 **Blank Spike recovery is below lower control limit (B-).**
4-Chloroaniline (32% @ 40-140%), Aniline (36% @ 40-140%), Hexachlorocyclopentadiene (39% @ 40-140%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: 1.5 Dense Grade
Date Sampled: 04/07/21 11:00
Percent Solids: 98

ESS Laboratory Work Order: 21D0181
ESS Laboratory Sample ID: 21D0181-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (5.07)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Arsenic	ND (2.54)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Beryllium	**0.18** (0.11)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Cadmium	ND (0.51)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Chromium	**11.6** (1.01)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Copper	**11.8** (2.54)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Lead	ND (5.07)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Mercury	ND (0.033)		7471B		1	JRB	04/08/21 16:04	0.61	40	DD10665
Nickel	**6.73** (2.54)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Selenium	ND (5.07)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Silver	ND (0.51)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Thallium	ND (5.07)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664
Zinc	**28.4** (2.54)		6010C		1	BJV	04/08/21 12:50	2.01	100	DD10664

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: 1.5 Dense Grade
Date Sampled: 04/07/21 11:00
Percent Solids: 98
Initial Volume: 13
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21D0181
ESS Laboratory Sample ID: 21D0181-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,1,1-Trichloroethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,1,2,2-Tetrachloroethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,1,2-Trichloroethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,1-Dichloroethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,1-Dichloroethene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,1-Dichloropropene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,2,3-Trichlorobenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,2,3-Trichloropropane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,2,4-Trichlorobenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,2,4-Trimethylbenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,2-Dibromo-3-Chloropropane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,2-Dibromoethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,2-Dichlorobenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,2-Dichloroethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,2-Dichloropropane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,3,5-Trimethylbenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,3-Dichlorobenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,3-Dichloropropane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,4-Dichlorobenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1,4-Dioxane	ND (0.0392)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
1-Chlorohexane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
2,2-Dichloropropane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
2-Butanone	ND (0.0196)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
2-Chlorotoluene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
2-Hexanone	ND (0.0196)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
4-Chlorotoluene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
4-Isopropyltoluene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
4-Methyl-2-Pentanone	ND (0.0196)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Acetone	ND (0.0196)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Benzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Bromobenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: 1.5 Dense Grade
Date Sampled: 04/07/21 11:00
Percent Solids: 98
Initial Volume: 13
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21D0181
ESS Laboratory Sample ID: 21D0181-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Bromodichloromethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Bromoform	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Bromomethane	ND (0.0039)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Carbon Disulfide	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Carbon Tetrachloride	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Chlorobenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Chloroethane	ND (0.0039)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Chloroform	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Chloromethane	ND (0.0039)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
cis-1,2-Dichloroethene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
cis-1,3-Dichloropropene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Dibromochloromethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Dibromomethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Dichlorodifluoromethane	ND (0.0039)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Diethyl Ether	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Di-isopropyl ether	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Ethyl tertiary-butyl ether	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Ethylbenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Hexachlorobutadiene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Isopropylbenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Methyl tert-Butyl Ether	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Methylene Chloride	ND (0.0098)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Naphthalene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
n-Butylbenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
n-Propylbenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
sec-Butylbenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Styrene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
tert-Butylbenzene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Tertiary-amyl methyl ether	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Tetrachloroethene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Tetrahydrofuran	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: 1.5 Dense Grade
Date Sampled: 04/07/21 11:00
Percent Solids: 98
Initial Volume: 13
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21D0181
ESS Laboratory Sample ID: 21D0181-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
trans-1,2-Dichloroethene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
trans-1,3-Dichloropropene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Trichloroethene	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Trichlorofluoromethane	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Vinyl Acetate	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Vinyl Chloride	ND (0.0039)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Xylene O	ND (0.0020)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Xylene P,M	ND (0.0039)		8260B Low		1	04/07/21 19:42	D1D0099	DD10724
Xylenes (Total)	ND (0.00392)		8260B Low		1	04/07/21 19:42		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*107 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*102 %*		*70-130*
Surrogate: Dibromofluoromethane	*103 %*		*70-130*
Surrogate: Toluene-d8	*101 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: 1.5 Dense Grade
Date Sampled: 04/07/21 11:00
Percent Solids: 98
Initial Volume: 19
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21D0181
ESS Laboratory Sample ID: 21D0181-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 4/7/21 21:15

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (40.3)		8100M		1	04/08/21 14:12	D1D0136	DD10725

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*83 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: 1.5 Dense Grade
Date Sampled: 04/07/21 11:00
Percent Solids: 98
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21D0181
ESS Laboratory Sample ID: 21D0181-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/7/21 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
1,2,4-Trichlorobenzene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
1,2-Dichlorobenzene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
1,3-Dichlorobenzene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
1,4-Dichlorobenzene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2,3,4,6-Tetrachlorophenol	ND (1.75)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2,4,5-Trichlorophenol	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2,4,6-Trichlorophenol	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2,4-Dichlorophenol	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2,4-Dimethylphenol	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2,4-Dinitrophenol	ND (1.75)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2,4-Dinitrotoluene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2,6-Dinitrotoluene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2-Chloronaphthalene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2-Chlorophenol	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2-Methylnaphthalene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2-Methylphenol	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2-Nitroaniline	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
2-Nitrophenol	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
3,3´-Dichlorobenzidine	ND (0.699)		8270D		1	04/07/21 21:52	D1D0127	DD10608
3+4-Methylphenol	ND (0.699)		8270D		1	04/07/21 21:52	D1D0127	DD10608
3-Nitroaniline	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
4,6-Dinitro-2-Methylphenol	ND (1.75)		8270D		1	04/07/21 21:52	D1D0127	DD10608
4-Bromophenyl-phenylether	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
4-Chloro-3-Methylphenol	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
4-Chloroaniline	ND (0.699)		8270D		1	04/07/21 21:52	D1D0127	DD10608
4-Chloro-phenyl-phenyl ether	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
4-Nitroaniline	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
4-Nitrophenol	ND (1.75)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Acenaphthene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Acenaphthylene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Acetophenone	ND (0.699)		8270D		1	04/07/21 21:52	D1D0127	DD10608

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: 1.5 Dense Grade
Date Sampled: 04/07/21 11:00
Percent Solids: 98
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21D0181
ESS Laboratory Sample ID: 21D0181-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/7/21 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.699)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Anthracene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Azobenzene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Benzo(a)anthracene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Benzo(a)pyrene	ND (0.175)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Benzo(b)fluoranthene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Benzo(g,h,i)perylene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Benzo(k)fluoranthene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Benzoic Acid	ND (1.75)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Benzyl Alcohol	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
bis(2-Chloroethoxy)methane	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
bis(2-Chloroethyl)ether	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
bis(2-chloroisopropyl)Ether	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
bis(2-Ethylhexyl)phthalate	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Butylbenzylphthalate	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Carbazole	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Chrysene	ND (0.175)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Dibenzo(a,h)Anthracene	ND (0.175)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Dibenzofuran	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Diethylphthalate	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Dimethylphthalate	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Di-n-butylphthalate	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Di-n-octylphthalate	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Fluoranthene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Fluorene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Hexachlorobenzene	ND (0.175)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Hexachlorobutadiene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Hexachlorocyclopentadiene	ND (1.75)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Hexachloroethane	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Indeno(1,2,3-cd)Pyrene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Isophorone	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Naphthalene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: 1.5 Dense Grade
Date Sampled: 04/07/21 11:00
Percent Solids: 98
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21D0181
ESS Laboratory Sample ID: 21D0181-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/7/21 13:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
N-Nitrosodimethylamine	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
N-Nitroso-Di-n-Propylamine	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
N-nitrosodiphenylamine	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Pentachlorophenol	ND (1.75)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Phenanthrene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Phenol	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Pyrene	ND (0.349)		8270D		1	04/07/21 21:52	D1D0127	DD10608
Pyridine	ND (1.75)		8270D		1	04/07/21 21:52	D1D0127	DD10608

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*62 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*72 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*65 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*62 %*		*30-130*
Surrogate: 2-Fluorophenol	*63 %*		*30-130*
Surrogate: Nitrobenzene-d5	*62 %*		*30-130*
Surrogate: Phenol-d6	*67 %*		*30-130*
Surrogate: p-Terphenyl-d14	*67 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: 1.5 Dense Grade
Date Sampled: 04/07/21 11:00
Percent Solids: 98

ESS Laboratory Work Order: 21D0181
ESS Laboratory Sample ID: 21D0181-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.43)		6010C		1	BJV	04/08/21 12:52	2.1	100	DD10664

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DD10664 - 3050B										
Blank										
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	5.00	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	37.1	16.4	mg/kg wet	42.00		88	80-120			
Arsenic	34.4	8.20	mg/kg wet	43.10		80	63-136			
Arsenic	34.4	8.20	mg/kg wet	43.10		80	63-136			
Beryllium	106	0.36	mg/kg wet	117.0		91	80-120			
Cadmium	99.2	1.64	mg/kg wet	118.0		84	80-120			
Chromium	265	3.28	mg/kg wet	299.0		89	80-120			
Copper	295	8.20	mg/kg wet	330.0		89	80-120			
Lead	127	16.4	mg/kg wet	144.0		88	80-120			
Nickel	154	8.20	mg/kg wet	171.0		90	80-120			
Selenium	127	16.4	mg/kg wet	154.0		82	80-120			
Silver	65.3	1.64	mg/kg wet	73.50		89	80-120			
Thallium	40.4	16.4	mg/kg wet				80-120			
Zinc	741	8.20	mg/kg wet	874.0		85	80-120			
LCS										
Antimony	98.2	15.6	mg/kg wet	244.0		40	80-120			
Arsenic	132	7.81	mg/kg wet	178.0		74	80-120			
Arsenic	132	7.81	mg/kg wet	178.0		74	80-120			
Beryllium	141	0.34	mg/kg wet	172.0		82	80-120			
Cadmium	113	1.56	mg/kg wet	151.0		75	80-120			
Chromium	102	3.12	mg/kg wet	126.0		81	80-120			
Copper	121	7.81	mg/kg wet	151.0		80	80-120			
Lead	61.7	15.6	mg/kg wet	76.10		81	80-120			
Nickel	73.6	7.81	mg/kg wet	89.20		82	80-120			
Selenium	140	15.6	mg/kg wet	189.0		74	80-120			
Silver	19.3	1.56	mg/kg wet	25.60		75	80-120			
Thallium	77.7	15.6	mg/kg wet	97.40		80	73-108			
Zinc	256	7.81	mg/kg wet	335.0		76	80-120			
LCS Dup										
Antimony	37.4	15.2	mg/kg wet	42.00		89	80-120	0.7	20	
Arsenic	34.2	7.58	mg/kg wet	43.10		79	63-136	0.6	20	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DD10664 - 3050B										
Arsenic	34.2	7.58	mg/kg wet	43.10		79	63-136	0.6	20	
Beryllium	105	0.33	mg/kg wet	117.0		90	80-120	0.8	20	
Cadmium	97.0	1.52	mg/kg wet	118.0		82	80-120	2	20	
Chromium	260	3.03	mg/kg wet	299.0		87	80-120	2	20	
Copper	294	7.58	mg/kg wet	330.0		89	80-120	0.3	20	
Lead	127	15.2	mg/kg wet	144.0		88	80-120	0.2	20	
Nickel	152	7.58	mg/kg wet	171.0		89	80-120	0.9	20	
Selenium	125	15.2	mg/kg wet	154.0		81	80-120	1	20	
Silver	64.4	1.52	mg/kg wet	73.50		88	80-120	1	20	
Thallium	39.0	15.2	mg/kg wet				80-120	3	20	
Zinc	727	7.58	mg/kg wet	874.0		83	80-120	2	20	
LCS Dup										
Antimony	99.4	16.1	mg/kg wet	244.0		41	80-120	1	20	
Arsenic	128	8.06	mg/kg wet	178.0		72	80-120	3	20	
Arsenic	128	8.06	mg/kg wet	178.0		72	80-120	3	20	
Beryllium	142	0.35	mg/kg wet	172.0		83	80-120	1	20	
Cadmium	118	1.61	mg/kg wet	151.0		78	80-120	4	20	
Chromium	101	3.23	mg/kg wet	126.0		80	80-120	2	20	
Copper	123	8.06	mg/kg wet	151.0		81	80-120	2	20	
Lead	61.5	16.1	mg/kg wet	76.10		81	80-120	0.4	20	
Nickel	74.6	8.06	mg/kg wet	89.20		84	80-120	1	20	
Selenium	139	16.1	mg/kg wet	189.0		73	80-120	0.6	20	
Silver	18.8	1.61	mg/kg wet	25.60		74	80-120	2	20	
Thallium	74.0	16.1	mg/kg wet	97.40		76	73-108	5	20	
Zinc	255	8.06	mg/kg wet	335.0		76	80-120	0.2	20	
Batch DD10665 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	23.9	3.25	mg/kg wet	27.90		86	80-120			
LCS Dup										
Mercury	23.8	2.96	mg/kg wet	27.90		85	80-120	0.3	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD10724 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD10724 - 5035										
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD10724 - 5035										
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0527*		mg/kg wet	*0.05000*		*105*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0509*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0500*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.0510*		mg/kg wet	*0.05000*		*102*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0472	0.0050	mg/kg wet	0.05000		94	70-130			
1,1,1-Trichloroethane	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
1,1,2,2-Tetrachloroethane	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
1,1,2-Trichloroethane	0.0450	0.0050	mg/kg wet	0.05000		90	70-130			
1,1-Dichloroethane	0.0461	0.0050	mg/kg wet	0.05000		92	70-130			
1,1-Dichloroethene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130			
1,1-Dichloropropene	0.0479	0.0050	mg/kg wet	0.05000		96	70-130			
1,2,3-Trichlorobenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
1,2,3-Trichloropropane	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
1,2,4-Trichlorobenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
1,2,4-Trimethylbenzene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
1,2-Dibromo-3-Chloropropane	0.0443	0.0050	mg/kg wet	0.05000		89	70-130			
1,2-Dibromoethane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
1,2-Dichlorobenzene	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
1,2-Dichloroethane	0.0450	0.0050	mg/kg wet	0.05000		90	70-130			
1,2-Dichloropropane	0.0454	0.0050	mg/kg wet	0.05000		91	70-130			
1,3,5-Trimethylbenzene	0.0475	0.0050	mg/kg wet	0.05000		95	70-130			
1,3-Dichlorobenzene	0.0471	0.0050	mg/kg wet	0.05000		94	70-130			
1,3-Dichloropropane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
1,4-Dichlorobenzene	0.0458	0.0050	mg/kg wet	0.05000		92	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD10724 - 5035										
1,4-Dioxane	0.913	0.100	mg/kg wet	1.000		91	70-130			
1-Chlorohexane	0.0426	0.0050	mg/kg wet	0.05000		85	70-130			
2,2-Dichloropropane	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
2-Butanone	0.216	0.0500	mg/kg wet	0.2500		86	70-130			
2-Chlorotoluene	0.0467	0.0050	mg/kg wet	0.05000		93	70-130			
2-Hexanone	0.207	0.0500	mg/kg wet	0.2500		83	70-130			
4-Chlorotoluene	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
4-Isopropyltoluene	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
4-Methyl-2-Pentanone	0.209	0.0500	mg/kg wet	0.2500		84	70-130			
Acetone	0.212	0.0500	mg/kg wet	0.2500		85	70-130			
Benzene	0.0451	0.0050	mg/kg wet	0.05000		90	70-130			
Bromobenzene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
Bromochloromethane	0.0446	0.0050	mg/kg wet	0.05000		89	70-130			
Bromodichloromethane	0.0447	0.0050	mg/kg wet	0.05000		89	70-130			
Bromoform	0.0430	0.0050	mg/kg wet	0.05000		86	70-130			
Bromomethane	0.0426	0.0100	mg/kg wet	0.05000		85	70-130			
Carbon Disulfide	0.0456	0.0050	mg/kg wet	0.05000		91	70-130			
Carbon Tetrachloride	0.0467	0.0050	mg/kg wet	0.05000		93	70-130			
Chlorobenzene	0.0448	0.0050	mg/kg wet	0.05000		90	70-130			
Chloroethane	0.0397	0.0100	mg/kg wet	0.05000		79	70-130			
Chloroform	0.0451	0.0050	mg/kg wet	0.05000		90	70-130			
Chloromethane	0.0460	0.0100	mg/kg wet	0.05000		92	70-130			
cis-1,2-Dichloroethene	0.0461	0.0050	mg/kg wet	0.05000		92	70-130			
cis-1,3-Dichloropropene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
Dibromochloromethane	0.0450	0.0050	mg/kg wet	0.05000		90	70-130			
Dibromomethane	0.0447	0.0050	mg/kg wet	0.05000		89	70-130			
Dichlorodifluoromethane	0.0440	0.0100	mg/kg wet	0.05000		88	70-130			
Diethyl Ether	0.0451	0.0050	mg/kg wet	0.05000		90	70-130			
Di-isopropyl ether	0.0426	0.0050	mg/kg wet	0.05000		85	70-130			
Ethyl tertiary-butyl ether	0.0463	0.0050	mg/kg wet	0.05000		93	70-130			
Ethylbenzene	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
Hexachlorobutadiene	0.0466	0.0050	mg/kg wet	0.05000		93	70-130			
Isopropylbenzene	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
Methyl tert-Butyl Ether	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
Methylene Chloride	0.0501	0.0250	mg/kg wet	0.05000		100	70-130			
Naphthalene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
n-Butylbenzene	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
n-Propylbenzene	0.0467	0.0050	mg/kg wet	0.05000		93	70-130			
sec-Butylbenzene	0.0450	0.0050	mg/kg wet	0.05000		90	70-130			
Styrene	0.0465	0.0050	mg/kg wet	0.05000		93	70-130			
tert-Butylbenzene	0.0463	0.0050	mg/kg wet	0.05000		93	70-130			
Tertiary-amyl methyl ether	0.0428	0.0050	mg/kg wet	0.05000		86	70-130			
Tetrachloroethene	0.0421	0.0050	mg/kg wet	0.05000		84	70-130			
Tetrahydrofuran	0.0402	0.0050	mg/kg wet	0.05000		80	70-130			
Toluene	0.0451	0.0050	mg/kg wet	0.05000		90	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DD10724 - 5035										
trans-1,2-Dichloroethene	0.0466	0.0050	mg/kg wet	0.05000		93	70-130			
trans-1,3-Dichloropropene	0.0439	0.0050	mg/kg wet	0.05000		88	70-130			
Trichloroethene	0.0441	0.0050	mg/kg wet	0.05000		88	70-130			
Trichlorofluoromethane	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
Vinyl Acetate	0.0435	0.0050	mg/kg wet	0.05000		87	70-130			
Vinyl Chloride	0.0492	0.0100	mg/kg wet	0.05000		98	70-130			
Xylene O	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
Xylene P,M	0.0976	0.0100	mg/kg wet	0.1000		98	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0486*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0493*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0497*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Toluene-d8	*0.0511*		mg/kg wet	*0.05000*		*102*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	7	25	
1,1,1-Trichloroethane	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	8	25	
1,1,2,2-Tetrachloroethane	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	3	25	
1,1,2-Trichloroethane	0.0472	0.0050	mg/kg wet	0.05000		94	70-130	5	25	
1,1-Dichloroethane	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	6	25	
1,1-Dichloroethene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	8	25	
1,1-Dichloropropene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	6	25	
1,2,3-Trichlorobenzene	0.0529	0.0050	mg/kg wet	0.05000		106	70-130	5	25	
1,2,3-Trichloropropane	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	5	25	
1,2,4-Trichlorobenzene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	5	25	
1,2,4-Trimethylbenzene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	5	25	
1,2-Dibromo-3-Chloropropane	0.0470	0.0050	mg/kg wet	0.05000		94	70-130	6	25	
1,2-Dibromoethane	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	8	25	
1,2-Dichlorobenzene	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	5	25	
1,2-Dichloroethane	0.0470	0.0050	mg/kg wet	0.05000		94	70-130	4	25	
1,2-Dichloropropane	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	6	25	
1,3,5-Trimethylbenzene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	5	25	
1,3-Dichlorobenzene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	3	25	
1,3-Dichloropropane	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	8	25	
1,4-Dichlorobenzene	0.0475	0.0050	mg/kg wet	0.05000		95	70-130	4	25	
1,4-Dioxane	0.946	0.100	mg/kg wet	1.000		95	70-130	4	20	
1-Chlorohexane	0.0469	0.0050	mg/kg wet	0.05000		94	70-130	10	25	
2,2-Dichloropropane	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	7	25	
2-Butanone	0.234	0.0500	mg/kg wet	0.2500		93	70-130	8	25	
2-Chlorotoluene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	4	25	
2-Hexanone	0.227	0.0500	mg/kg wet	0.2500		91	70-130	9	25	
4-Chlorotoluene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	5	25	
4-Isopropyltoluene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130	6	25	
4-Methyl-2-Pentanone	0.221	0.0500	mg/kg wet	0.2500		89	70-130	6	25	
Acetone	0.258	0.0500	mg/kg wet	0.2500		103	70-130	20	25	
Benzene	0.0477	0.0050	mg/kg wet	0.05000		95	70-130	6	25	
Bromobenzene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	3	25	

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Quality Control Data

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch DD10724 - 5035										
Bromochloromethane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130	6	25	
Bromodichloromethane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130	6	25	
Bromoform	0.0462	0.0050	mg/kg wet	0.05000		92	70-130	7	25	
Bromomethane	0.0449	0.0100	mg/kg wet	0.05000		90	70-130	5	25	
Carbon Disulfide	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	6	25	
Carbon Tetrachloride	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	7	25	
Chlorobenzene	0.0486	0.0050	mg/kg wet	0.05000		97	70-130	8	25	
Chloroethane	0.0493	0.0100	mg/kg wet	0.05000		99	70-130	22	25	
Chloroform	0.0478	0.0050	mg/kg wet	0.05000		96	70-130	6	25	
Chloromethane	0.0479	0.0100	mg/kg wet	0.05000		96	70-130	4	25	
cis-1,2-Dichloroethene	0.0488	0.0050	mg/kg wet	0.05000		98	70-130	6	25	
cis-1,3-Dichloropropene	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	6	25	
Dibromochloromethane	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	8	25	
Dibromomethane	0.0472	0.0050	mg/kg wet	0.05000		94	70-130	5	25	
Dichlorodifluoromethane	0.0458	0.0100	mg/kg wet	0.05000		92	70-130	4	25	
Diethyl Ether	0.0479	0.0050	mg/kg wet	0.05000		96	70-130	6	25	
Di-isopropyl ether	0.0454	0.0050	mg/kg wet	0.05000		91	70-130	6	25	
Ethyl tertiary-butyl ether	0.0495	0.0050	mg/kg wet	0.05000		99	70-130	7	25	
Ethylbenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	9	25	
Hexachlorobutadiene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	7	25	
Isopropylbenzene	0.0486	0.0050	mg/kg wet	0.05000		97	70-130	6	25	
Methyl tert-Butyl Ether	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	6	25	
Methylene Chloride	0.0522	0.0250	mg/kg wet	0.05000		104	70-130	4	25	
Naphthalene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	5	25	
n-Butylbenzene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	5	25	
n-Propylbenzene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	5	25	
sec-Butylbenzene	0.0473	0.0050	mg/kg wet	0.05000		95	70-130	5	25	
Styrene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	10	25	
tert-Butylbenzene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130	6	25	
Tertiary-amyl methyl ether	0.0452	0.0050	mg/kg wet	0.05000		90	70-130	5	25	
Tetrachloroethene	0.0457	0.0050	mg/kg wet	0.05000		91	70-130	8	25	
Tetrahydrofuran	0.0430	0.0050	mg/kg wet	0.05000		86	70-130	7	25	
Toluene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	5	25	
trans-1,2-Dichloroethene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	6	25	
trans-1,3-Dichloropropene	0.0464	0.0050	mg/kg wet	0.05000		93	70-130	6	25	
Trichloroethene	0.0475	0.0050	mg/kg wet	0.05000		95	70-130	7	25	
Trichlorofluoromethane	0.0494	0.0050	mg/kg wet	0.05000		99	70-130	7	25	
Vinyl Acetate	0.0467	0.0050	mg/kg wet	0.05000		93	70-130	7	25	
Vinyl Chloride	0.0512	0.0100	mg/kg wet	0.05000		102	70-130	4	25	
Xylene O	0.0520	0.0050	mg/kg wet	0.05000		104	70-130	9	25	
Xylene P,M	0.108	0.0100	mg/kg wet	0.1000		108	70-130	10	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0491*		mg/kg wet	*0.05000*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0518*		mg/kg wet	*0.05000*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0501*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.0527*		mg/kg wet	*0.05000*		*105*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DD10725 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.82*		mg/kg wet	*5.000*		*96*	*40-140*			
LCS										
Decane (C10)	1.8	0.2	mg/kg wet	2.500		71	40-140			
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Dodecane (C12)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		86	40-140			
Hexacosane (C26)	2.1	0.2	mg/kg wet	2.500		86	40-140			
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		86	40-140			
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		90	40-140			
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		72	30-140			
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		86	40-140			
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		86	40-140			
Tetradecane (C14)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Total Petroleum Hydrocarbons	30.1	37.5	mg/kg wet	35.00		86	40-140			
Triacontane (C30)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Surrogate: O-Terphenyl	*4.58*		mg/kg wet	*5.000*		*92*	*40-140*			
LCS Dup										
Decane (C10)	1.7	0.2	mg/kg wet	2.500		68	40-140	4	25	
Docosane (C22)	2.1	0.2	mg/kg wet	2.500		84	40-140	3	25	
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		80	40-140	4	25	
Eicosane (C20)	2.1	0.2	mg/kg wet	2.500		83	40-140	3	25	
Hexacosane (C26)	2.1	0.2	mg/kg wet	2.500		83	40-140	3	25	
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		83	40-140	3	25	
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		87	40-140	4	25	
Nonane (C9)	1.7	0.2	mg/kg wet	2.500		70	30-140	3	25	
Octacosane (C28)	2.1	0.2	mg/kg wet	2.500		83	40-140	3	25	
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		83	40-140	3	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DD10725 - 3546										
Tetracosane (C24)	2.1	0.2	mg/kg wet	2.500		83	40-140	3	25	
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		81	40-140	4	25	
Total Petroleum Hydrocarbons	29.0	37.5	mg/kg wet	35.00		83	40-140	4	25	
Triacontane (C30)	2.0	0.2	mg/kg wet	2.500		82	40-140	3	25	
Surrogate: O-Terphenyl	*4.39*		mg/kg wet	*5.000*		*88*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DD10608 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD10608 - 3546										
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.10*		mg/kg wet	*3.333*		*63*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.78*		mg/kg wet	*5.000*		*56*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.28*		mg/kg wet	*5.000*		*66*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.23*		mg/kg wet	*3.333*		*67*	*30-130*			
Surrogate: 2-Fluorophenol	*3.54*		mg/kg wet	*5.000*		*71*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.14*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: Phenol-d6	*3.46*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.38*		mg/kg wet	*3.333*		*102*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD10608 - 3546										
LCS										
1,1-Biphenyl	1.86	0.333	mg/kg wet	3.333		56	40-140			
1,2,4-Trichlorobenzene	1.68	0.333	mg/kg wet	3.333		51	40-140			
1,2-Dichlorobenzene	1.71	0.333	mg/kg wet	3.333		51	40-140			
1,3-Dichlorobenzene	1.73	0.333	mg/kg wet	3.333		52	40-140			
1,4-Dichlorobenzene	1.72	0.333	mg/kg wet	3.333		52	40-140			
2,3,4,6-Tetrachlorophenol	2.09	1.67	mg/kg wet	3.333		63	30-130			
2,4,5-Trichlorophenol	2.09	0.333	mg/kg wet	3.333		63	30-130			
2,4,6-Trichlorophenol	2.00	0.333	mg/kg wet	3.333		60	30-130			
2,4-Dichlorophenol	1.99	0.333	mg/kg wet	3.333		60	30-130			
2,4-Dimethylphenol	1.90	0.333	mg/kg wet	3.333		57	30-130			
2,4-Dinitrophenol	1.91	1.67	mg/kg wet	3.333		57	30-130			
2,4-Dinitrotoluene	2.38	0.333	mg/kg wet	3.333		71	40-140			
2,6-Dinitrotoluene	2.23	0.333	mg/kg wet	3.333		67	40-140			
2-Chloronaphthalene	1.71	0.333	mg/kg wet	3.333		51	40-140			
2-Chlorophenol	1.89	0.333	mg/kg wet	3.333		57	30-130			
2-Methylnaphthalene	1.83	0.333	mg/kg wet	3.333		55	40-140			
2-Methylphenol	1.97	0.333	mg/kg wet	3.333		59	30-130			
2-Nitroaniline	1.61	0.333	mg/kg wet	3.333		48	40-140			
2-Nitrophenol	1.79	0.333	mg/kg wet	3.333		54	30-130			
3,3´-Dichlorobenzidine	1.91	0.667	mg/kg wet	3.333		57	40-140			
3+4-Methylphenol	4.23	0.667	mg/kg wet	6.667		63	30-130			
3-Nitroaniline	1.88	0.333	mg/kg wet	3.333		56	40-140			
4,6-Dinitro-2-Methylphenol	2.53	1.67	mg/kg wet	3.333		76	30-130			
4-Bromophenyl-phenylether	2.22	0.333	mg/kg wet	3.333		66	40-140			
4-Chloro-3-Methylphenol	2.13	0.333	mg/kg wet	3.333		64	30-130			
4-Chloroaniline	1.07	0.667	mg/kg wet	3.333		32	40-140			B-
4-Chloro-phenyl-phenyl ether	2.05	0.333	mg/kg wet	3.333		62	40-140			
4-Nitroaniline	2.26	0.333	mg/kg wet	3.333		68	40-140			
4-Nitrophenol	1.97	1.67	mg/kg wet	3.333		59	30-130			
Acenaphthene	1.80	0.333	mg/kg wet	3.333		54	40-140			
Acenaphthylene	1.84	0.333	mg/kg wet	3.333		55	40-140			
Acetophenone	1.86	0.667	mg/kg wet	3.333		56	40-140			
Aniline	1.20	0.667	mg/kg wet	3.333		36	40-140			B-
Anthracene	2.43	0.333	mg/kg wet	3.333		73	40-140			
Azobenzene	2.19	0.333	mg/kg wet	3.333		66	40-140			
Benzo(a)anthracene	2.72	0.333	mg/kg wet	3.333		82	40-140			
Benzo(a)pyrene	2.48	0.167	mg/kg wet	3.333		74	40-140			
Benzo(b)fluoranthene	2.53	0.333	mg/kg wet	3.333		76	40-140			
Benzo(g,h,i)perylene	2.52	0.333	mg/kg wet	3.333		76	40-140			
Benzo(k)fluoranthene	2.58	0.333	mg/kg wet	3.333		77	40-140			
Benzoic Acid	1.86	1.67	mg/kg wet	3.333		56	40-140			
Benzyl Alcohol	1.67	0.333	mg/kg wet	3.333		50	40-140			
bis(2-Chloroethoxy)methane	1.90	0.333	mg/kg wet	3.333		57	40-140			
bis(2-Chloroethyl)ether	1.77	0.333	mg/kg wet	3.333		53	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD10608 - 3546										
bis(2-chloroisopropyl)Ether	1.76	0.333	mg/kg wet	3.333		53	40-140			
bis(2-Ethylhexyl)phthalate	2.41	0.333	mg/kg wet	3.333		72	40-140			
Butylbenzylphthalate	2.37	0.333	mg/kg wet	3.333		71	40-140			
Carbazole	2.59	0.333	mg/kg wet	3.333		78	40-140			
Chrysene	2.51	0.167	mg/kg wet	3.333		75	40-140			
Dibenzo(a,h)Anthracene	2.46	0.167	mg/kg wet	3.333		74	40-140			
Dibenzofuran	2.00	0.333	mg/kg wet	3.333		60	40-140			
Diethylphthalate	2.32	0.333	mg/kg wet	3.333		70	40-140			
Dimethylphthalate	2.17	0.333	mg/kg wet	3.333		65	40-140			
Di-n-butylphthalate	2.43	0.333	mg/kg wet	3.333		73	40-140			
Di-n-octylphthalate	2.53	0.333	mg/kg wet	3.333		76	40-140			
Fluoranthene	2.60	0.333	mg/kg wet	3.333		78	40-140			
Fluorene	2.14	0.333	mg/kg wet	3.333		64	40-140			
Hexachlorobenzene	2.34	0.167	mg/kg wet	3.333		70	40-140			
Hexachlorobutadiene	1.65	0.333	mg/kg wet	3.333		50	40-140			
Hexachlorocyclopentadiene	1.31	1.67	mg/kg wet	3.333		39	40-140			B-
Hexachloroethane	1.74	0.333	mg/kg wet	3.333		52	40-140			
Indeno(1,2,3-cd)Pyrene	2.35	0.333	mg/kg wet	3.333		70	40-140			
Isophorone	1.65	0.333	mg/kg wet	3.333		50	40-140			
Naphthalene	1.74	0.333	mg/kg wet	3.333		52	40-140			
Nitrobenzene	1.70	0.333	mg/kg wet	3.333		51	40-140			
N-Nitrosodimethylamine	1.41	0.333	mg/kg wet	3.333		42	40-140			
N-Nitroso-Di-n-Propylamine	1.74	0.333	mg/kg wet	3.333		52	40-140			
N-nitrosodiphenylamine	2.47	0.333	mg/kg wet	3.333		74	40-140			
Pentachlorophenol	2.41	1.67	mg/kg wet	3.333		72	30-130			
Phenanthrene	2.30	0.333	mg/kg wet	3.333		69	40-140			
Phenol	2.03	0.333	mg/kg wet	3.333		61	30-130			
Pyrene	2.63	0.333	mg/kg wet	3.333		79	40-140			
Pyridine	1.79	1.67	mg/kg wet	3.333		54	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.00*		mg/kg wet	*3.333*		*60*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.79*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.23*		mg/kg wet	*5.000*		*65*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.17*		mg/kg wet	*3.333*		*65*	*30-130*			
Surrogate: 2-Fluorophenol	*3.41*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.08*		mg/kg wet	*3.333*		*62*	*30-130*			
Surrogate: Phenol-d6	*3.41*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.14*		mg/kg wet	*3.333*		*94*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.02	0.333	mg/kg wet	3.333		61	40-140	8	30	
1,2,4-Trichlorobenzene	1.79	0.333	mg/kg wet	3.333		54	40-140	6	30	
1,2-Dichlorobenzene	1.78	0.333	mg/kg wet	3.333		53	40-140	4	30	
1,3-Dichlorobenzene	1.76	0.333	mg/kg wet	3.333		53	40-140	2	30	
1,4-Dichlorobenzene	1.77	0.333	mg/kg wet	3.333		53	40-140	3	30	
2,3,4,6-Tetrachlorophenol	2.26	1.67	mg/kg wet	3.333		68	30-130	8	30	
2,4,5-Trichlorophenol	2.27	0.333	mg/kg wet	3.333		68	30-130	8	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD10608 - 3546										
2,4,6-Trichlorophenol	2.18	0.333	mg/kg wet	3.333		65	30-130	9	30	
2,4-Dichlorophenol	2.19	0.333	mg/kg wet	3.333		66	30-130	9	30	
2,4-Dimethylphenol	2.07	0.333	mg/kg wet	3.333		62	30-130	9	30	
2,4-Dinitrophenol	2.04	1.67	mg/kg wet	3.333		61	30-130	7	30	
2,4-Dinitrotoluene	2.51	0.333	mg/kg wet	3.333		75	40-140	6	30	
2,6-Dinitrotoluene	2.40	0.333	mg/kg wet	3.333		72	40-140	8	30	
2-Chloronaphthalene	1.87	0.333	mg/kg wet	3.333		56	40-140	9	30	
2-Chlorophenol	1.97	0.333	mg/kg wet	3.333		59	30-130	4	30	
2-Methylnaphthalene	1.98	0.333	mg/kg wet	3.333		59	40-140	8	30	
2-Methylphenol	2.10	0.333	mg/kg wet	3.333		63	30-130	6	30	
2-Nitroaniline	1.76	0.333	mg/kg wet	3.333		53	40-140	9	30	
2-Nitrophenol	1.90	0.333	mg/kg wet	3.333		57	30-130	6	30	
3,3´-Dichlorobenzidine	2.58	0.667	mg/kg wet	3.333		77	40-140	30	30	
3+4-Methylphenol	4.47	0.667	mg/kg wet	6.667		67	30-130	6	30	
3-Nitroaniline	2.19	0.333	mg/kg wet	3.333		66	40-140	15	30	
4,6-Dinitro-2-Methylphenol	2.77	1.67	mg/kg wet	3.333		83	30-130	9	30	
4-Bromophenyl-phenylether	2.43	0.333	mg/kg wet	3.333		73	40-140	9	30	
4-Chloro-3-Methylphenol	2.32	0.333	mg/kg wet	3.333		70	30-130	9	30	
4-Chloroaniline	1.40	0.667	mg/kg wet	3.333		42	40-140	27	30	
4-Chloro-phenyl-phenyl ether	2.20	0.333	mg/kg wet	3.333		66	40-140	7	30	
4-Nitroaniline	2.51	0.333	mg/kg wet	3.333		75	40-140	11	30	
4-Nitrophenol	2.01	1.67	mg/kg wet	3.333		60	30-130	2	30	
Acenaphthene	1.93	0.333	mg/kg wet	3.333		58	40-140	7	30	
Acenaphthylene	1.97	0.333	mg/kg wet	3.333		59	40-140	7	30	
Acetophenone	1.96	0.667	mg/kg wet	3.333		59	40-140	5	30	
Aniline	1.50	0.667	mg/kg wet	3.333		45	40-140	22	30	
Anthracene	2.65	0.333	mg/kg wet	3.333		80	40-140	9	30	
Azobenzene	2.44	0.333	mg/kg wet	3.333		73	40-140	11	30	
Benzo(a)anthracene	2.94	0.333	mg/kg wet	3.333		88	40-140	8	30	
Benzo(a)pyrene	2.67	0.167	mg/kg wet	3.333		80	40-140	7	30	
Benzo(b)fluoranthene	2.68	0.333	mg/kg wet	3.333		80	40-140	6	30	
Benzo(g,h,i)perylene	2.73	0.333	mg/kg wet	3.333		82	40-140	8	30	
Benzo(k)fluoranthene	2.85	0.333	mg/kg wet	3.333		86	40-140	10	30	
Benzoic Acid	2.10	1.67	mg/kg wet	3.333		63	40-140	12	30	
Benzyl Alcohol	1.80	0.333	mg/kg wet	3.333		54	40-140	7	30	
bis(2-Chloroethoxy)methane	2.02	0.333	mg/kg wet	3.333		61	40-140	6	30	
bis(2-Chloroethyl)ether	1.83	0.333	mg/kg wet	3.333		55	40-140	4	30	
bis(2-chloroisopropyl)Ether	1.82	0.333	mg/kg wet	3.333		55	40-140	4	30	
bis(2-Ethylhexyl)phthalate	2.57	0.333	mg/kg wet	3.333		77	40-140	7	30	
Butylbenzylphthalate	2.58	0.333	mg/kg wet	3.333		77	40-140	8	30	
Carbazole	2.77	0.333	mg/kg wet	3.333		83	40-140	7	30	
Chrysene	2.70	0.167	mg/kg wet	3.333		81	40-140	8	30	
Dibenzo(a,h)Anthracene	2.65	0.167	mg/kg wet	3.333		80	40-140	8	30	
Dibenzofuran	2.14	0.333	mg/kg wet	3.333		64	40-140	7	30	
Diethylphthalate	2.47	0.333	mg/kg wet	3.333		74	40-140	6	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD10608 - 3546										
Dimethylphthalate	2.33	0.333	mg/kg wet	3.333		70	40-140	7	30	
Di-n-butylphthalate	2.59	0.333	mg/kg wet	3.333		78	40-140	6	30	
Di-n-octylphthalate	2.71	0.333	mg/kg wet	3.333		81	40-140	7	30	
Fluoranthene	2.78	0.333	mg/kg wet	3.333		83	40-140	7	30	
Fluorene	2.28	0.333	mg/kg wet	3.333		69	40-140	6	30	
Hexachlorobenzene	2.56	0.167	mg/kg wet	3.333		77	40-140	9	30	
Hexachlorobutadiene	1.73	0.333	mg/kg wet	3.333		52	40-140	5	30	
Hexachlorocyclopentadiene	1.41	1.67	mg/kg wet	3.333		42	40-140	7	30	
Hexachloroethane	1.80	0.333	mg/kg wet	3.333		54	40-140	4	30	
Indeno(1,2,3-cd)Pyrene	2.54	0.333	mg/kg wet	3.333		76	40-140	8	30	
Isophorone	1.82	0.333	mg/kg wet	3.333		54	40-140	9	30	
Naphthalene	1.84	0.333	mg/kg wet	3.333		55	40-140	6	30	
Nitrobenzene	1.81	0.333	mg/kg wet	3.333		54	40-140	6	30	
N-Nitrosodimethylamine	1.46	0.333	mg/kg wet	3.333		44	40-140	3	30	
N-Nitroso-Di-n-Propylamine	1.88	0.333	mg/kg wet	3.333		56	40-140	8	30	
N-nitrosodiphenylamine	2.69	0.333	mg/kg wet	3.333		81	40-140	9	30	
Pentachlorophenol	2.60	1.67	mg/kg wet	3.333		78	30-130	8	30	
Phenanthrene	2.49	0.333	mg/kg wet	3.333		75	40-140	8	30	
Phenol	2.18	0.333	mg/kg wet	3.333		65	30-130	7	30	
Pyrene	2.88	0.333	mg/kg wet	3.333		86	40-140	9	30	
Pyridine	1.85	1.67	mg/kg wet	3.333		56	40-140	4	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.01*		mg/kg wet	*3.333*		*60*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.05*		mg/kg wet	*5.000*		*81*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.29*		mg/kg wet	*5.000*		*66*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.31*		mg/kg wet	*3.333*		*69*	*30-130*			
Surrogate: 2-Fluorophenol	*3.47*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.15*		mg/kg wet	*3.333*		*65*	*30-130*			
Surrogate: Phenol-d6	*3.54*		mg/kg wet	*5.000*		*71*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.35*		mg/kg wet	*3.333*		*101*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0181

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: ESS Courier

ESS Project ID: 21D0181
Date Received: 4/7/2021
Project Due Date: 4/8/2021
Days for Project: 1 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 5.7 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA
13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 4/7/21 Time: 1335 By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	151394	Yes	N/A	Yes	8 oz jar	NP	
1	151395	Yes	N/A	Yes	8 oz jar	NP	
1	151396	Yes	N/A	Yes	4 oz. Jar	NP	
1	151397	Yes	N/A	Yes	VOA Vial	MeOH	
1	151398	Yes	N/A	Yes	VOA Vial	DI Water	
1	151399	Yes	N/A	Yes	VOA Vial	DI Water	
2	151392	Yes	N/A	Yes	4 oz. Jar	NP	

2nd Review
Were all containers scanned into storage/lab? Initials
Are barcode labels on correct containers? Yes / No
Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA
Are all Hex Chrome stickers attached? Yes / No / NA
Are all QC stickers attached? Yes / No / NA
Are VOA stickers attached if bubbles noted? Yes / No / NA

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 21D0181

Date Received: 4/7/2021

Completed By: [signature]

Date & Time: 4/7/21 1313

Reviewed By: [signature]

Date & Time: 4/7/21 1355

ESS LABORATORY
185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 210018 | Page of

Turn Time: ☐ >5 ☐ 5 ☐ 4 ☐ 3 ☐ 2 ☑ 1 ☐ Same Day

Regulatory State: RI Criteria: Method 1 RDEC

Is this project for any of the following?: ☐ CT RCP ☐ MA MCP ☐ RGP ☐ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF)

☐ Limit Checker ☐ State Forms ☐ EQuIS
☐ Excel ☐ Hard Copy ☐ Enviro Data
☐ CLP-Like Package ☐ Other (Specify) →

CLIENT INFORMATION

Client: GZA
Address: 188 Valley Street
Providence RI
Phone: 401 500 1483
Email Distribution List: sara.haupt@gza.com

PROJECT INFORMATION

Project Name: FPLP
Project Location: 642 Allens Ave
Project Number: 33554.04 Task 6.2
Project Manager: SARA HAUPT
Bill to: SARA HAUPT
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	VOCs 8260	SVOCs 8270	TPH 8100M	PP-13 Metals	Arsenic	Total Number of Bottles
1	4/7/21	1100	C	SOIL	1.5 DENSE GRADE	X	X	X	X	X	6
2	4/7/21	1100	C	SOIL	1.5 DENSE GRADE					X	1

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial — AG, AG, AG, AG, AG
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other* — 10, 10, 10, 10, 7
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other* — 6, 1, 1, 1, 1

Sampled by: SARA HAUPT

Chain needs to be filled out neatly and completely for on time delivery.

Laboratory Use Only
Cooler Temperature (°C): 5.7 IC

Comments: * Please specify "Other" preservative and containers types in this space
National Grid rates apply

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration: ☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
	4/7/21	1312					

CERTIFICATE OF ANALYSIS

Sara Haupt
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: 642 Allens Ave (33554.0416.2)
ESS Laboratory Work Order Number: 20I0659

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 5:27 pm, Oct 01, 2020

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

SAMPLE RECEIPT

The following samples were received on September 23, 2020 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on September 23, 2020 at 15:40.

Lab Number	Sample Name	Matrix	Analysis
20I0659-01	SP092320	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

DI02437-BS1 **Blank Spike recovery is above upper control limit (B+).**
2-Hexanone (131% @ 70-130%), Acetone (142% @ 70-130%), Tetrachloroethene (133% @ 70-130%)

DI02437-BSD1 **Blank Spike recovery is above upper control limit (B+).**
Tetrachloroethene (138% @ 70-130%)

8100M Total Petroleum Hydrocarbons

D0I0407-CCV2 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Decane (C10) (24% @ 20%), Nonane (C9) (27% @ 20%)

8270D Semi-Volatile Organic Compounds

D0I0342-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (72% @ 80-120%), 4,6-Dinitro-2-Methylphenol (85% @ 80-120%), Benzoic Acid (93% @ 80-120%), Pentachlorophenol (108% @ 80-120%)

D0I0342-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
2,4-Dinitrophenol (28% @ 20%), N-Nitrosodimethylamine (25% @ 20%)

DI02427-BS1 **Blank Spike recovery is below lower control limit (B-).**
Aniline (34% @ 40-140%)

DI02427-BSD1 **Blank Spike recovery is below lower control limit (B-).**
Aniline (36% @ 40-140%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP092320
Date Sampled: 09/23/20 11:30
Percent Solids: 99

ESS Laboratory Work Order: 20I0659
ESS Laboratory Sample ID: 20I0659-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.70)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343
Arsenic	ND (2.35)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343
Beryllium	ND (0.10)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343
Cadmium	ND (0.47)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343
Chromium	**20.0** (0.94)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343
Copper	**14.2** (2.35)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343
Lead	ND (4.70)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343
Mercury	ND (0.030)		7471B		1	MKS	09/28/20 10:52	0.67	40	DI02345
Nickel	**10.5** (2.35)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343
Selenium	ND (4.70)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343
Silver	ND (0.94)		6010C		2	KJK	09/30/20 18:18	2.15	100	DI02343
Thallium	ND (4.70)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343
Zinc	**30.4** (2.35)		6010C		1	KJK	09/30/20 11:09	2.15	100	DI02343

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP092320
Date Sampled: 09/23/20 11:30
Percent Solids: 99
Initial Volume: 9.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20I0659
ESS Laboratory Sample ID: 20I0659-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,1,1-Trichloroethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,1,2,2-Tetrachloroethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,1,2-Trichloroethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,1-Dichloroethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,1-Dichloroethene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,1-Dichloropropene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,2,3-Trichlorobenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,2,3-Trichloropropane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,2,4-Trichlorobenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,2,4-Trimethylbenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,2-Dibromo-3-Chloropropane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,2-Dibromoethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,2-Dichlorobenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,2-Dichloroethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,2-Dichloropropane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,3,5-Trimethylbenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,3-Dichlorobenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,3-Dichloropropane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,4-Dichlorobenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1,4-Dioxane	ND (0.0543)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
1-Chlorohexane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
2,2-Dichloropropane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
2-Butanone	ND (0.0272)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
2-Chlorotoluene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
2-Hexanone	ND (0.0272)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
4-Chlorotoluene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
4-Isopropyltoluene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
4-Methyl-2-Pentanone	ND (0.0272)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Acetone	ND (0.0272)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Benzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Bromobenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP092320
Date Sampled: 09/23/20 11:30
Percent Solids: 99
Initial Volume: 9.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20I0659
ESS Laboratory Sample ID: 20I0659-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Bromodichloromethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Bromoform	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Bromomethane	ND (0.0054)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Carbon Disulfide	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Carbon Tetrachloride	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Chlorobenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Chloroethane	ND (0.0054)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Chloroform	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Chloromethane	ND (0.0054)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
cis-1,2-Dichloroethene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
cis-1,3-Dichloropropene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Dibromochloromethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Dibromomethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Dichlorodifluoromethane	ND (0.0054)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Diethyl Ether	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Di-isopropyl ether	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Ethyl tertiary-butyl ether	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Ethylbenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Hexachlorobutadiene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Isopropylbenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Methyl tert-Butyl Ether	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Methylene Chloride	ND (0.0136)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Naphthalene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
n-Butylbenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
n-Propylbenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
sec-Butylbenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Styrene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
tert-Butylbenzene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Tertiary-amyl methyl ether	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Tetrachloroethene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Tetrahydrofuran	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP092320
Date Sampled: 09/23/20 11:30
Percent Solids: 99
Initial Volume: 9.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20I0659
ESS Laboratory Sample ID: 20I0659-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
trans-1,2-Dichloroethene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
trans-1,3-Dichloropropene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Trichloroethene	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Trichlorofluoromethane	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Vinyl Acetate	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Vinyl Chloride	ND (0.0054)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Xylene O	ND (0.0027)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Xylene P,M	ND (0.0054)		8260B Low		1	09/24/20 17:26	D0I0352	DI02437
Xylenes (Total)	ND (0.00543)		8260B Low		1	09/24/20 17:26		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*100 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*96 %*		*70-130*
Surrogate: Toluene-d8	*95 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP092320
Date Sampled: 09/23/20 11:30
Percent Solids: 99
Initial Volume: 19.7
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 20I0659
ESS Laboratory Sample ID: 20I0659-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: NXL
Prepared: 9/24/20 10:55

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (38.5)		8100M		1	10/01/20 12:47	D0I0451	DI02359

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*117 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP092320
Date Sampled: 09/23/20 11:30
Percent Solids: 99
Initial Volume: 15.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20I0659
ESS Laboratory Sample ID: 20I0659-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/24/20 20:20

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
1,2,4-Trichlorobenzene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
1,2-Dichlorobenzene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
1,3-Dichlorobenzene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
1,4-Dichlorobenzene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2,3,4,6-Tetrachlorophenol	ND (1.62)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2,4,5-Trichlorophenol	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2,4,6-Trichlorophenol	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2,4-Dichlorophenol	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2,4-Dimethylphenol	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2,4-Dinitrophenol	ND (1.62)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2,4-Dinitrotoluene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2,6-Dinitrotoluene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2-Chloronaphthalene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2-Chlorophenol	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2-Methylnaphthalene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2-Methylphenol	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2-Nitroaniline	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
2-Nitrophenol	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
3,3′-Dichlorobenzidine	ND (0.648)		8270D		1	09/24/20 23:25	D0I0342	DI02427
3+4-Methylphenol	ND (0.648)		8270D		1	09/24/20 23:25	D0I0342	DI02427
3-Nitroaniline	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
4,6-Dinitro-2-Methylphenol	ND (1.62)		8270D		1	09/24/20 23:25	D0I0342	DI02427
4-Bromophenyl-phenylether	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
4-Chloro-3-Methylphenol	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
4-Chloroaniline	ND (0.648)		8270D		1	09/24/20 23:25	D0I0342	DI02427
4-Chloro-phenyl-phenyl ether	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
4-Nitroaniline	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
4-Nitrophenol	ND (1.62)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Acenaphthene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Acenaphthylene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Acetophenone	ND (0.648)		8270D		1	09/24/20 23:25	D0I0342	DI02427

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP092320
Date Sampled: 09/23/20 11:30
Percent Solids: 99
Initial Volume: 15.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20I0659
ESS Laboratory Sample ID: 20I0659-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/24/20 20:20

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.648)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Anthracene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Azobenzene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Benzo(a)anthracene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Benzo(a)pyrene	ND (0.162)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Benzo(b)fluoranthene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Benzo(g,h,i)perylene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Benzo(k)fluoranthene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Benzoic Acid	ND (1.62)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Benzyl Alcohol	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
bis(2-Chloroethoxy)methane	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
bis(2-Chloroethyl)ether	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
bis(2-chloroisopropyl)Ether	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
bis(2-Ethylhexyl)phthalate	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Butylbenzylphthalate	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Carbazole	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Chrysene	ND (0.162)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Dibenzo(a,h)Anthracene	ND (0.162)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Dibenzofuran	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Diethylphthalate	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Dimethylphthalate	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Di-n-butylphthalate	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Di-n-octylphthalate	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Fluoranthene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Fluorene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Hexachlorobenzene	ND (0.162)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Hexachlorobutadiene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Hexachlorocyclopentadiene	ND (1.62)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Hexachloroethane	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Indeno(1,2,3-cd)Pyrene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Isophorone	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Naphthalene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP092320
Date Sampled: 09/23/20 11:30
Percent Solids: 99
Initial Volume: 15.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20I0659
ESS Laboratory Sample ID: 20I0659-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/24/20 20:20

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
N-Nitrosodimethylamine	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
N-Nitroso-Di-n-Propylamine	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
N-nitrosodiphenylamine	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Pentachlorophenol	ND (1.62)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Phenanthrene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Phenol	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Pyrene	ND (0.324)		8270D		1	09/24/20 23:25	D0I0342	DI02427
Pyridine	ND (1.62)		8270D		1	09/24/20 23:25	D0I0342	DI02427

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*74 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*80 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*76 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*79 %*		*30-130*
Surrogate: 2-Fluorophenol	*71 %*		*30-130*
Surrogate: Nitrobenzene-d5	*64 %*		*30-130*
Surrogate: Phenol-d6	*71 %*		*30-130*
Surrogate: p-Terphenyl-d14	*83 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

Quality Control Data

Total Metals

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch DI02343 - 3050B										
Blank										
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	5.00	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	37.4	16.7	mg/kg wet	42.00		89	80-120			
Arsenic	37.1	8.33	mg/kg wet	43.10		86	80-120			
Beryllium	114	0.37	mg/kg wet	117.0		97	80-120			
Cadmium	105	1.67	mg/kg wet	118.0		89	80-120			
Chromium	283	3.33	mg/kg wet	299.0		95	80-120			
Copper	314	8.33	mg/kg wet	330.0		95	80-120			
Lead	135	16.7	mg/kg wet	144.0		94	80-120			
Nickel	166	8.33	mg/kg wet	171.0		97	80-120			
Selenium	134	16.7	mg/kg wet	154.0		87	80-120			
Silver	69.3	1.67	mg/kg wet	73.50		94	80-120			
Zinc	773	8.33	mg/kg wet	874.0		88	80-120			
LCS										
Thallium	84.9	16.7	mg/kg wet	90.40		94	80-120			
LCS Dup										
Antimony	38.6	16.1	mg/kg wet	42.00		92	80-120	3	20	
Arsenic	35.0	8.06	mg/kg wet	43.10		81	80-120	6	20	
Beryllium	109	0.35	mg/kg wet	117.0		93	80-120	4	20	
Cadmium	99.2	1.61	mg/kg wet	118.0		84	80-120	6	20	
Chromium	268	3.23	mg/kg wet	299.0		89	80-120	6	20	
Copper	300	8.06	mg/kg wet	330.0		91	80-120	4	20	
Lead	128	16.1	mg/kg wet	144.0		89	80-120	5	20	
Nickel	157	8.06	mg/kg wet	171.0		92	80-120	5	20	
Selenium	129	16.1	mg/kg wet	154.0		84	80-120	4	20	
Silver	65.7	1.61	mg/kg wet	73.50		89	80-120	5	20	
Zinc	737	8.06	mg/kg wet	874.0		84	80-120	5	20	
LCS Dup										
Thallium	89.0	15.6	mg/kg wet	90.40		98	80-120	5	20	
Batch DI02345 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DI02345 - 7471B										
LCS										
Mercury	23.3	3.19	mg/kg wet	26.60		88	80-120			
LCS Dup										
Mercury	23.0	2.96	mg/kg wet	26.60		87	80-120	1	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch DI02437 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DI02437 - 5035										
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0484*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0500*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0475*		mg/kg wet	*0.05000*		*95*	*70-130*			
Surrogate: Toluene-d8	*0.0478*		mg/kg wet	*0.05000*		*96*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0564	0.0050	mg/kg wet	0.05000		113	70-130			
1,1,1-Trichloroethane	0.0590	0.0050	mg/kg wet	0.05000		118	70-130			
1,1,2,2-Tetrachloroethane	0.0573	0.0050	mg/kg wet	0.05000		115	70-130			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DI02437 - 5035										
1,1,2-Trichloroethane	0.0558	0.0050	mg/kg wet	0.05000		112	70-130			
1,1-Dichloroethane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
1,1-Dichloroethene	0.0579	0.0050	mg/kg wet	0.05000		116	70-130			
1,1-Dichloropropene	0.0574	0.0050	mg/kg wet	0.05000		115	70-130			
1,2,3-Trichlorobenzene	0.0609	0.0050	mg/kg wet	0.05000		122	70-130			
1,2,3-Trichloropropane	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
1,2,4-Trichlorobenzene	0.0602	0.0050	mg/kg wet	0.05000		120	70-130			
1,2,4-Trimethylbenzene	0.0577	0.0050	mg/kg wet	0.05000		115	70-130			
1,2-Dibromo-3-Chloropropane	0.0536	0.0050	mg/kg wet	0.05000		107	70-130			
1,2-Dibromoethane	0.0559	0.0050	mg/kg wet	0.05000		112	70-130			
1,2-Dichlorobenzene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
1,2-Dichloroethane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
1,2-Dichloropropane	0.0540	0.0050	mg/kg wet	0.05000		108	70-130			
1,3,5-Trimethylbenzene	0.0580	0.0050	mg/kg wet	0.05000		116	70-130			
1,3-Dichlorobenzene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
1,3-Dichloropropane	0.0592	0.0050	mg/kg wet	0.05000		118	70-130			
1,4-Dichlorobenzene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130			
1,4-Dioxane	1.12	0.100	mg/kg wet	1.000		112	70-130			
1-Chlorohexane	0.0532	0.0050	mg/kg wet	0.05000		106	70-130			
2,2-Dichloropropane	0.0584	0.0050	mg/kg wet	0.05000		117	70-130			
2-Butanone	0.316	0.0500	mg/kg wet	0.2500		126	70-130			
2-Chlorotoluene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
2-Hexanone	0.328	0.0500	mg/kg wet	0.2500		131	70-130			B+
4-Chlorotoluene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
4-Isopropyltoluene	0.0567	0.0050	mg/kg wet	0.05000		113	70-130			
4-Methyl-2-Pentanone	0.284	0.0500	mg/kg wet	0.2500		114	70-130			
Acetone	0.355	0.0500	mg/kg wet	0.2500		142	70-130			B+
Benzene	0.0565	0.0050	mg/kg wet	0.05000		113	70-130			
Bromobenzene	0.0572	0.0050	mg/kg wet	0.05000		114	70-130			
Bromochloromethane	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
Bromodichloromethane	0.0497	0.0050	mg/kg wet	0.05000		99	70-130			
Bromoform	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
Bromomethane	0.0495	0.0100	mg/kg wet	0.05000		99	70-130			
Carbon Disulfide	0.0575	0.0050	mg/kg wet	0.05000		115	70-130			
Carbon Tetrachloride	0.0553	0.0050	mg/kg wet	0.05000		111	70-130			
Chlorobenzene	0.0571	0.0050	mg/kg wet	0.05000		114	70-130			
Chloroethane	0.0512	0.0100	mg/kg wet	0.05000		102	70-130			
Chloroform	0.0528	0.0050	mg/kg wet	0.05000		106	70-130			
Chloromethane	0.0490	0.0100	mg/kg wet	0.05000		98	70-130			
cis-1,2-Dichloroethene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130			
cis-1,3-Dichloropropene	0.0548	0.0050	mg/kg wet	0.05000		110	70-130			
Dibromochloromethane	0.0550	0.0050	mg/kg wet	0.05000		110	70-130			
Dibromomethane	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
Dichlorodifluoromethane	0.0360	0.0100	mg/kg wet	0.05000		72	70-130			
Diethyl Ether	0.0595	0.0050	mg/kg wet	0.05000		119	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DI02437 - 5035										
Di-isopropyl ether	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
Ethyl tertiary-butyl ether	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
Ethylbenzene	0.0600	0.0050	mg/kg wet	0.05000		120	70-130			
Hexachlorobutadiene	0.0587	0.0050	mg/kg wet	0.05000		117	70-130			
Isopropylbenzene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130			
Methyl tert-Butyl Ether	0.0630	0.0050	mg/kg wet	0.05000		126	70-130			
Methylene Chloride	0.0522	0.0250	mg/kg wet	0.05000		104	70-130			
Naphthalene	0.0566	0.0050	mg/kg wet	0.05000		113	70-130			
n-Butylbenzene	0.0579	0.0050	mg/kg wet	0.05000		116	70-130			
n-Propylbenzene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130			
sec-Butylbenzene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130			
Styrene	0.0599	0.0050	mg/kg wet	0.05000		120	70-130			
tert-Butylbenzene	0.0568	0.0050	mg/kg wet	0.05000		114	70-130			
Tertiary-amyl methyl ether	0.0572	0.0050	mg/kg wet	0.05000		114	70-130			
Tetrachloroethene	0.0667	0.0050	mg/kg wet	0.05000		133	70-130			B+
Tetrahydrofuran	0.0581	0.0050	mg/kg wet	0.05000		116	70-130			
Toluene	0.0566	0.0050	mg/kg wet	0.05000		113	70-130			
trans-1,2-Dichloroethene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
trans-1,3-Dichloropropene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
Trichloroethene	0.0563	0.0050	mg/kg wet	0.05000		113	70-130			
Trichlorofluoromethane	0.0510	0.0050	mg/kg wet	0.05000		102	70-130			
Vinyl Acetate	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
Vinyl Chloride	0.0509	0.0100	mg/kg wet	0.05000		102	70-130			
Xylene O	0.0594	0.0050	mg/kg wet	0.05000		119	70-130			
Xylene P,M	0.124	0.0100	mg/kg wet	0.1000		124	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0466*		mg/kg wet	*0.05000*		*93*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0509*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0473*		mg/kg wet	*0.05000*		*95*	*70-130*			
Surrogate: Toluene-d8	*0.0501*		mg/kg wet	*0.05000*		*100*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0563	0.0050	mg/kg wet	0.05000		113	70-130	0.2	25	
1,1,1-Trichloroethane	0.0594	0.0050	mg/kg wet	0.05000		119	70-130	0.7	25	
1,1,2,2-Tetrachloroethane	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	4	25	
1,1,2-Trichloroethane	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	0.3	25	
1,1-Dichloroethane	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	1	25	
1,1-Dichloroethene	0.0572	0.0050	mg/kg wet	0.05000		114	70-130	1	25	
1,1-Dichloropropene	0.0568	0.0050	mg/kg wet	0.05000		114	70-130	1	25	
1,2,3-Trichlorobenzene	0.0593	0.0050	mg/kg wet	0.05000		119	70-130	3	25	
1,2,3-Trichloropropane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	6	25	
1,2,4-Trichlorobenzene	0.0597	0.0050	mg/kg wet	0.05000		119	70-130	0.8	25	
1,2,4-Trimethylbenzene	0.0585	0.0050	mg/kg wet	0.05000		117	70-130	1	25	
1,2-Dibromo-3-Chloropropane	0.0478	0.0050	mg/kg wet	0.05000		96	70-130	12	25	
1,2-Dibromoethane	0.0543	0.0050	mg/kg wet	0.05000		109	70-130	3	25	
1,2-Dichlorobenzene	0.0552	0.0050	mg/kg wet	0.05000		110	70-130	1	25	
1,2-Dichloroethane	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	1	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DI02437 - 5035										
1,2-Dichloropropane	0.0550	0.0050	mg/kg wet	0.05000		110	70-130	2	25	
1,3,5-Trimethylbenzene	0.0585	0.0050	mg/kg wet	0.05000		117	70-130	0.9	25	
1,3-Dichlorobenzene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	2	25	
1,3-Dichloropropane	0.0579	0.0050	mg/kg wet	0.05000		116	70-130	2	25	
1,4-Dichlorobenzene	0.0563	0.0050	mg/kg wet	0.05000		113	70-130	2	25	
1,4-Dioxane	1.04	0.100	mg/kg wet	1.000		104	70-130	7	20	
1-Chlorohexane	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	3	25	
2,2-Dichloropropane	0.0587	0.0050	mg/kg wet	0.05000		117	70-130	0.5	25	
2-Butanone	0.298	0.0500	mg/kg wet	0.2500		119	70-130	6	25	
2-Chlorotoluene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	2	25	
2-Hexanone	0.285	0.0500	mg/kg wet	0.2500		114	70-130	14	25	
4-Chlorotoluene	0.0550	0.0050	mg/kg wet	0.05000		110	70-130	1	25	
4-Isopropyltoluene	0.0570	0.0050	mg/kg wet	0.05000		114	70-130	0.5	25	
4-Methyl-2-Pentanone	0.262	0.0500	mg/kg wet	0.2500		105	70-130	8	25	
Acetone	0.314	0.0500	mg/kg wet	0.2500		125	70-130	12	25	
Benzene	0.0572	0.0050	mg/kg wet	0.05000		114	70-130	1	25	
Bromobenzene	0.0594	0.0050	mg/kg wet	0.05000		119	70-130	4	25	
Bromochloromethane	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	2	25	
Bromodichloromethane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130	3	25	
Bromoform	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	4	25	
Bromomethane	0.0481	0.0100	mg/kg wet	0.05000		96	70-130	3	25	
Carbon Disulfide	0.0567	0.0050	mg/kg wet	0.05000		113	70-130	1	25	
Carbon Tetrachloride	0.0552	0.0050	mg/kg wet	0.05000		110	70-130	0.1	25	
Chlorobenzene	0.0566	0.0050	mg/kg wet	0.05000		113	70-130	0.9	25	
Chloroethane	0.0510	0.0100	mg/kg wet	0.05000		102	70-130	0.5	25	
Chloroform	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	1	25	
Chloromethane	0.0482	0.0100	mg/kg wet	0.05000		96	70-130	2	25	
cis-1,2-Dichloroethene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130	2	25	
cis-1,3-Dichloropropene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130	2	25	
Dibromochloromethane	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	2	25	
Dibromomethane	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	2	25	
Dichlorodifluoromethane	0.0352	0.0100	mg/kg wet	0.05000		70	70-130	2	25	
Diethyl Ether	0.0608	0.0050	mg/kg wet	0.05000		122	70-130	2	25	
Di-isopropyl ether	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	3	25	
Ethyl tertiary-butyl ether	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	2	25	
Ethylbenzene	0.0586	0.0050	mg/kg wet	0.05000		117	70-130	2	25	
Hexachlorobutadiene	0.0584	0.0050	mg/kg wet	0.05000		117	70-130	0.6	25	
Isopropylbenzene	0.0563	0.0050	mg/kg wet	0.05000		113	70-130	0.4	25	
Methyl tert-Butyl Ether	0.0635	0.0050	mg/kg wet	0.05000		127	70-130	0.7	25	
Methylene Chloride	0.0536	0.0250	mg/kg wet	0.05000		107	70-130	3	25	
Naphthalene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	6	25	
n-Butylbenzene	0.0579	0.0050	mg/kg wet	0.05000		116	70-130	0	25	
n-Propylbenzene	0.0565	0.0050	mg/kg wet	0.05000		113	70-130	0.7	25	
sec-Butylbenzene	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	0.6	25	
Styrene	0.0590	0.0050	mg/kg wet	0.05000		118	70-130	1	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 20I0659

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DI02437 - 5035										
tert-Butylbenzene	0.0573	0.0050	mg/kg wet	0.05000		115	70-130	0.9	25	
Tertiary-amyl methyl ether	0.0585	0.0050	mg/kg wet	0.05000		117	70-130	2	25	
Tetrachloroethene	0.0692	0.0050	mg/kg wet	0.05000		138	70-130	4	25	B+
Tetrahydrofuran	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	10	25	
Toluene	0.0573	0.0050	mg/kg wet	0.05000		115	70-130	1	25	
trans-1,2-Dichloroethene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	0.5	25	
trans-1,3-Dichloropropene	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	2	25	
Trichloroethene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	0.2	25	
Trichlorofluoromethane	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	0	25	
Vinyl Acetate	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	5	25	
Vinyl Chloride	0.0499	0.0100	mg/kg wet	0.05000		100	70-130	2	25	
Xylene O	0.0580	0.0050	mg/kg wet	0.05000		116	70-130	2	25	
Xylene P,M	0.121	0.0100	mg/kg wet	0.1000		121	70-130	2	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0460*		mg/kg wet	*0.05000*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0497*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0479*		mg/kg wet	*0.05000*		*96*	*70-130*			
Surrogate: Toluene-d8	*0.0489*		mg/kg wet	*0.05000*		*98*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch DI02359 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.37*		mg/kg wet	*5.000*		*87*	*40-140*			
LCS										
Decane (C10)	2.2	0.2	mg/kg wet	2.500		86	40-140			
Docosane (C22)	2.4	0.2	mg/kg wet	2.500		98	40-140			
Dodecane (C12)	2.3	0.2	mg/kg wet	2.500		93	40-140			
Eicosane (C20)	2.4	0.2	mg/kg wet	2.500		97	40-140			
Hexacosane (C26)	2.4	0.2	mg/kg wet	2.500		98	40-140			
Hexadecane (C16)	2.4	0.2	mg/kg wet	2.500		95	40-140			
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		97	40-140			

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Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 20I0659

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DI02359 - 3546										
Nonane (C9)	2.0	0.2	mg/kg wet	2.500		78	30-140			
Octacosane (C28)	2.5	0.2	mg/kg wet	2.500		99	40-140			
Octadecane (C18)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Tetracosane (C24)	2.4	0.2	mg/kg wet	2.500		98	40-140			
Tetradecane (C14)	2.4	0.2	mg/kg wet	2.500		94	40-140			
Total Petroleum Hydrocarbons	33.0	37.5	mg/kg wet	35.00		94	40-140			
Triacontane (C30)	2.5	0.2	mg/kg wet	2.500		99	40-140			
Surrogate: O-Terphenyl	*5.13*		mg/kg wet	*5.000*		*103*	*40-140*			
LCS Dup										
Decane (C10)	2.5	0.2	mg/kg wet	2.500		99	40-140	13	25	
Docosane (C22)	2.8	0.2	mg/kg wet	2.500		113	40-140	14	25	
Dodecane (C12)	2.6	0.2	mg/kg wet	2.500		105	40-140	13	25	
Eicosane (C20)	2.8	0.2	mg/kg wet	2.500		112	40-140	14	25	
Hexacosane (C26)	2.8	0.2	mg/kg wet	2.500		113	40-140	14	25	
Hexadecane (C16)	2.7	0.2	mg/kg wet	2.500		108	40-140	13	25	
Nonadecane (C19)	2.8	0.2	mg/kg wet	2.500		110	40-140	13	25	
Nonane (C9)	2.2	0.2	mg/kg wet	2.500		90	30-140	13	25	
Octacosane (C28)	2.9	0.2	mg/kg wet	2.500		115	40-140	14	25	
Octadecane (C18)	2.7	0.2	mg/kg wet	2.500		109	40-140	13	25	
Tetracosane (C24)	2.8	0.2	mg/kg wet	2.500		113	40-140	14	25	
Tetradecane (C14)	2.7	0.2	mg/kg wet	2.500		106	40-140	12	25	
Total Petroleum Hydrocarbons	37.9	37.5	mg/kg wet	35.00		108	40-140	14	25	
Triacontane (C30)	2.9	0.2	mg/kg wet	2.500		114	40-140	14	25	
Surrogate: O-Terphenyl	*5.68*		mg/kg wet	*5.000*		*114*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DI02427 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DI02427 - 3546										
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DI02427 - 3546										
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.53*		mg/kg wet	*3.333*		*76*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.00*		mg/kg wet	*5.000*		*80*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.92*		mg/kg wet	*5.000*		*78*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.65*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: 2-Fluorophenol	*3.84*		mg/kg wet	*5.000*		*77*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.23*		mg/kg wet	*3.333*		*67*	*30-130*			
Surrogate: Phenol-d6	*3.62*		mg/kg wet	*5.000*		*72*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.94*		mg/kg wet	*3.333*		*88*	*30-130*			
LCS										
1,1-Biphenyl	2.46	0.333	mg/kg wet	3.333		74	40-140			
1,2,4-Trichlorobenzene	2.48	0.333	mg/kg wet	3.333		74	40-140			
1,2-Dichlorobenzene	2.36	0.333	mg/kg wet	3.333		71	40-140			
1,3-Dichlorobenzene	2.16	0.333	mg/kg wet	3.333		65	40-140			
1,4-Dichlorobenzene	2.28	0.333	mg/kg wet	3.333		68	40-140			
2,3,4,6-Tetrachlorophenol	2.69	1.67	mg/kg wet	3.333		81	30-130			
2,4,5-Trichlorophenol	2.98	0.333	mg/kg wet	3.333		90	30-130			
2,4,6-Trichlorophenol	2.62	0.333	mg/kg wet	3.333		78	30-130			
2,4-Dichlorophenol	2.82	0.333	mg/kg wet	3.333		85	30-130			
2,4-Dimethylphenol	2.54	0.333	mg/kg wet	3.333		76	30-130			
2,4-Dinitrophenol	2.15	1.67	mg/kg wet	3.333		64	30-130			
2,4-Dinitrotoluene	3.42	0.333	mg/kg wet	3.333		103	40-140			
2,6-Dinitrotoluene	2.96	0.333	mg/kg wet	3.333		89	40-140			
2-Chloronaphthalene	2.29	0.333	mg/kg wet	3.333		69	40-140			
2-Chlorophenol	2.40	0.333	mg/kg wet	3.333		72	30-130			
2-Methylnaphthalene	2.50	0.333	mg/kg wet	3.333		75	40-140			
2-Methylphenol	2.24	0.333	mg/kg wet	3.333		67	30-130			
2-Nitroaniline	2.19	0.333	mg/kg wet	3.333		66	40-140			
2-Nitrophenol	2.40	0.333	mg/kg wet	3.333		72	30-130			
3,3´-Dichlorobenzidine	2.69	0.667	mg/kg wet	3.333		81	40-140			
3+4-Methylphenol	4.80	0.667	mg/kg wet	6.667		72	30-130			
3-Nitroaniline	2.68	0.333	mg/kg wet	3.333		80	40-140			
4,6-Dinitro-2-Methylphenol	2.76	1.67	mg/kg wet	3.333		83	30-130			

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DI02427 - 3546										
4-Bromophenyl-phenylether	2.68	0.333	mg/kg wet	3.333		80	40-140			
4-Chloro-3-Methylphenol	2.87	0.333	mg/kg wet	3.333		86	30-130			
4-Chloroaniline	1.69	0.667	mg/kg wet	3.333		51	40-140			
4-Chloro-phenyl-phenyl ether	2.96	0.333	mg/kg wet	3.333		89	40-140			
4-Nitroaniline	2.61	0.333	mg/kg wet	3.333		78	40-140			
4-Nitrophenol	2.46	1.67	mg/kg wet	3.333		74	30-130			
Acenaphthene	2.39	0.333	mg/kg wet	3.333		72	40-140			
Acenaphthylene	2.32	0.333	mg/kg wet	3.333		70	40-140			
Acetophenone	2.31	0.667	mg/kg wet	3.333		69	40-140			
Aniline	1.13	0.667	mg/kg wet	3.333		34	40-140			B-
Anthracene	2.80	0.333	mg/kg wet	3.333		84	40-140			
Azobenzene	2.00	0.333	mg/kg wet	3.333		60	40-140			
Benzo(a)anthracene	2.89	0.333	mg/kg wet	3.333		87	40-140			
Benzo(a)pyrene	3.10	0.167	mg/kg wet	3.333		93	40-140			
Benzo(b)fluoranthene	2.85	0.333	mg/kg wet	3.333		85	40-140			
Benzo(g,h,i)perylene	3.24	0.333	mg/kg wet	3.333		97	40-140			
Benzo(k)fluoranthene	2.81	0.333	mg/kg wet	3.333		84	40-140			
Benzoic Acid	2.41	1.67	mg/kg wet	3.333		72	40-140			
Benzyl Alcohol	1.92	0.333	mg/kg wet	3.333		58	40-140			
bis(2-Chloroethoxy)methane	2.09	0.333	mg/kg wet	3.333		63	40-140			
bis(2-Chloroethyl)ether	2.08	0.333	mg/kg wet	3.333		62	40-140			
bis(2-chloroisopropyl)Ether	2.10	0.333	mg/kg wet	3.333		63	40-140			
bis(2-Ethylhexyl)phthalate	2.72	0.333	mg/kg wet	3.333		82	40-140			
Butylbenzylphthalate	2.76	0.333	mg/kg wet	3.333		83	40-140			
Carbazole	2.91	0.333	mg/kg wet	3.333		87	40-140			
Chrysene	2.82	0.167	mg/kg wet	3.333		85	40-140			
Dibenzo(a,h)Anthracene	3.13	0.167	mg/kg wet	3.333		94	40-140			
Dibenzofuran	2.63	0.333	mg/kg wet	3.333		79	40-140			
Diethylphthalate	2.98	0.333	mg/kg wet	3.333		89	40-140			
Dimethylphthalate	2.89	0.333	mg/kg wet	3.333		87	40-140			
Di-n-butylphthalate	3.02	0.333	mg/kg wet	3.333		91	40-140			
Di-n-octylphthalate	2.42	0.333	mg/kg wet	3.333		73	40-140			
Fluoranthene	3.08	0.333	mg/kg wet	3.333		92	40-140			
Fluorene	2.96	0.333	mg/kg wet	3.333		89	40-140			
Hexachlorobenzene	2.59	0.167	mg/kg wet	3.333		78	40-140			
Hexachlorobutadiene	2.36	0.333	mg/kg wet	3.333		71	40-140			
Hexachlorocyclopentadiene	1.43	1.67	mg/kg wet	3.333		43	40-140			
Hexachloroethane	2.07	0.333	mg/kg wet	3.333		62	40-140			
Indeno(1,2,3-cd)Pyrene	3.11	0.333	mg/kg wet	3.333		93	40-140			
Isophorone	1.81	0.333	mg/kg wet	3.333		54	40-140			
Naphthalene	2.34	0.333	mg/kg wet	3.333		70	40-140			
Nitrobenzene	1.92	0.333	mg/kg wet	3.333		57	40-140			
N-Nitrosodimethylamine	1.56	0.333	mg/kg wet	3.333		47	40-140			
N-Nitroso-Di-n-Propylamine	1.98	0.333	mg/kg wet	3.333		59	40-140			
N-nitrosodiphenylamine	2.58	0.333	mg/kg wet	3.333		77	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 20I0659

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DI02427 - 3546										
Pentachlorophenol	3.07	1.67	mg/kg wet	3.333		92	30-130			
Phenanthrene	2.73	0.333	mg/kg wet	3.333		82	40-140			
Phenol	2.33	0.333	mg/kg wet	3.333		70	30-130			
Pyrene	2.73	0.333	mg/kg wet	3.333		82	40-140			
Pyridine	1.42	1.67	mg/kg wet	3.333		43	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.58*		mg/kg wet	*3.333*		*77*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.32*		mg/kg wet	*5.000*		*86*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.14*		mg/kg wet	*5.000*		*83*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.63*		mg/kg wet	*3.333*		*79*	*30-130*			
Surrogate: 2-Fluorophenol	*3.92*		mg/kg wet	*5.000*		*78*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.23*		mg/kg wet	*3.333*		*67*	*30-130*			
Surrogate: Phenol-d6	*3.88*		mg/kg wet	*5.000*		*78*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.02*		mg/kg wet	*3.333*		*91*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.64	0.333	mg/kg wet	3.333		79	40-140	7	30	
1,2,4-Trichlorobenzene	2.69	0.333	mg/kg wet	3.333		81	40-140	8	30	
1,2-Dichlorobenzene	2.41	0.333	mg/kg wet	3.333		72	40-140	2	30	
1,3-Dichlorobenzene	2.29	0.333	mg/kg wet	3.333		69	40-140	6	30	
1,4-Dichlorobenzene	2.40	0.333	mg/kg wet	3.333		72	40-140	5	30	
2,3,4,6-Tetrachlorophenol	2.85	1.67	mg/kg wet	3.333		85	30-130	6	30	
2,4,5-Trichlorophenol	3.02	0.333	mg/kg wet	3.333		91	30-130	1	30	
2,4,6-Trichlorophenol	2.88	0.333	mg/kg wet	3.333		86	30-130	10	30	
2,4-Dichlorophenol	3.02	0.333	mg/kg wet	3.333		91	30-130	7	30	
2,4-Dimethylphenol	2.73	0.333	mg/kg wet	3.333		82	30-130	7	30	
2,4-Dinitrophenol	2.53	1.67	mg/kg wet	3.333		76	30-130	16	30	
2,4-Dinitrotoluene	3.41	0.333	mg/kg wet	3.333		102	40-140	0.3	30	
2,6-Dinitrotoluene	3.04	0.333	mg/kg wet	3.333		91	40-140	3	30	
2-Chloronaphthalene	2.44	0.333	mg/kg wet	3.333		73	40-140	6	30	
2-Chlorophenol	2.54	0.333	mg/kg wet	3.333		76	30-130	6	30	
2-Methylnaphthalene	2.66	0.333	mg/kg wet	3.333		80	40-140	6	30	
2-Methylphenol	2.32	0.333	mg/kg wet	3.333		70	30-130	3	30	
2-Nitroaniline	2.26	0.333	mg/kg wet	3.333		68	40-140	3	30	
2-Nitrophenol	2.60	0.333	mg/kg wet	3.333		78	30-130	8	30	
3,3´-Dichlorobenzidine	2.78	0.667	mg/kg wet	3.333		83	40-140	3	30	
3+4-Methylphenol	4.63	0.667	mg/kg wet	6.667		69	30-130	4	30	
3-Nitroaniline	2.66	0.333	mg/kg wet	3.333		80	40-140	0.7	30	
4,6-Dinitro-2-Methylphenol	3.10	1.67	mg/kg wet	3.333		93	30-130	12	30	
4-Bromophenyl-phenylether	2.97	0.333	mg/kg wet	3.333		89	40-140	10	30	
4-Chloro-3-Methylphenol	3.00	0.333	mg/kg wet	3.333		90	30-130	5	30	
4-Chloroaniline	1.69	0.667	mg/kg wet	3.333		51	40-140	0.2	30	
4-Chloro-phenyl-phenyl ether	3.06	0.333	mg/kg wet	3.333		92	40-140	3	30	
4-Nitroaniline	2.70	0.333	mg/kg wet	3.333		81	40-140	3	30	
4-Nitrophenol	2.44	1.67	mg/kg wet	3.333		73	30-130	0.8	30	
Acenaphthene	2.50	0.333	mg/kg wet	3.333		75	40-140	5	30	
Acenaphthylene	2.46	0.333	mg/kg wet	3.333		74	40-140	5	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DI02427 - 3546										
Acetophenone	2.37	0.667	mg/kg wet	3.333		71	40-140	2	30	
Aniline	1.22	0.667	mg/kg wet	3.333		36	40-140	7	30	B-
Anthracene	2.97	0.333	mg/kg wet	3.333		89	40-140	6	30	
Azobenzene	2.19	0.333	mg/kg wet	3.333		66	40-140	9	30	
Benzo(a)anthracene	3.08	0.333	mg/kg wet	3.333		92	40-140	6	30	
Benzo(a)pyrene	3.27	0.167	mg/kg wet	3.333		98	40-140	5	30	
Benzo(b)fluoranthene	2.96	0.333	mg/kg wet	3.333		89	40-140	4	30	
Benzo(g,h,i)perylene	3.22	0.333	mg/kg wet	3.333		97	40-140	0.7	30	
Benzo(k)fluoranthene	3.08	0.333	mg/kg wet	3.333		92	40-140	9	30	
Benzoic Acid	2.62	1.67	mg/kg wet	3.333		79	40-140	8	30	
Benzyl Alcohol	2.01	0.333	mg/kg wet	3.333		60	40-140	4	30	
bis(2-Chloroethoxy)methane	2.26	0.333	mg/kg wet	3.333		68	40-140	8	30	
bis(2-Chloroethyl)ether	2.16	0.333	mg/kg wet	3.333		65	40-140	4	30	
bis(2-chloroisopropyl)Ether	2.20	0.333	mg/kg wet	3.333		66	40-140	4	30	
bis(2-Ethylhexyl)phthalate	2.94	0.333	mg/kg wet	3.333		88	40-140	8	30	
Butylbenzylphthalate	2.99	0.333	mg/kg wet	3.333		90	40-140	8	30	
Carbazole	2.99	0.333	mg/kg wet	3.333		90	40-140	3	30	
Chrysene	2.99	0.167	mg/kg wet	3.333		90	40-140	6	30	
Dibenzo(a,h)Anthracene	3.16	0.167	mg/kg wet	3.333		95	40-140	1	30	
Dibenzofuran	2.74	0.333	mg/kg wet	3.333		82	40-140	4	30	
Diethylphthalate	3.03	0.333	mg/kg wet	3.333		91	40-140	2	30	
Dimethylphthalate	2.99	0.333	mg/kg wet	3.333		90	40-140	3	30	
Di-n-butylphthalate	3.16	0.333	mg/kg wet	3.333		95	40-140	5	30	
Di-n-octylphthalate	2.71	0.333	mg/kg wet	3.333		81	40-140	11	30	
Fluoranthene	3.10	0.333	mg/kg wet	3.333		93	40-140	0.6	30	
Fluorene	3.05	0.333	mg/kg wet	3.333		91	40-140	3	30	
Hexachlorobenzene	2.85	0.167	mg/kg wet	3.333		86	40-140	10	30	
Hexachlorobutadiene	2.54	0.333	mg/kg wet	3.333		76	40-140	7	30	
Hexachlorocyclopentadiene	1.66	1.67	mg/kg wet	3.333		50	40-140	15	30	
Hexachloroethane	2.17	0.333	mg/kg wet	3.333		65	40-140	5	30	
Indeno(1,2,3-cd)Pyrene	3.14	0.333	mg/kg wet	3.333		94	40-140	0.7	30	
Isophorone	1.92	0.333	mg/kg wet	3.333		58	40-140	6	30	
Naphthalene	2.52	0.333	mg/kg wet	3.333		75	40-140	7	30	
Nitrobenzene	2.07	0.333	mg/kg wet	3.333		62	40-140	8	30	
N-Nitrosodimethylamine	1.66	0.333	mg/kg wet	3.333		50	40-140	6	30	
N-Nitroso-Di-n-Propylamine	2.04	0.333	mg/kg wet	3.333		61	40-140	3	30	
N-nitrosodiphenylamine	2.78	0.333	mg/kg wet	3.333		83	40-140	8	30	
Pentachlorophenol	3.24	1.67	mg/kg wet	3.333		97	30-130	5	30	
Phenanthrene	2.88	0.333	mg/kg wet	3.333		86	40-140	5	30	
Phenol	2.44	0.333	mg/kg wet	3.333		73	30-130	4	30	
Pyrene	3.01	0.333	mg/kg wet	3.333		90	40-140	10	30	
Pyridine	1.49	1.67	mg/kg wet	3.333		45	40-140	4	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.55*		mg/kg wet	*3.333*		*76*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.48*		mg/kg wet	*5.000*		*90*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.07*		mg/kg wet	*5.000*		*81*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DI02427 - 3546										
Surrogate: 2-Fluorobiphenyl	*2.68*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: 2-Fluorophenol	*3.84*		mg/kg wet	*5.000*		*77*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.28*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: Phenol-d6	*3.83*		mg/kg wet	*5.000*		*77*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.15*		mg/kg wet	*3.333*		*94*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
D	Diluted.
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20I0659

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: Client

ESS Project ID: 2010659
Date Received: 9/23/2020
Project Due Date: 9/30/2020
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 2.6 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / (NA)
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? Yes / (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA
13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 9/23/20 Time: 15:42 By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	87253	Yes	N/A	Yes	VOA Vial	MeOH	
1	87254	Yes	N/A	Yes	VOA Vial	DI Water	
1	87255	Yes	N/A	Yes	VOA Vial	DI Water	
1	87256	Yes	N/A	Yes	8 oz jar	NP	

2nd Review
Were all containers scanned into storage/lab? Initials: MA (Yes) / No
Are barcode labels on correct containers? Yes / No / NA
Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA
Are all Hex Chrome stickers attached? Yes / No / NA
Are all QC stickers attached? Yes / No / NA
Are VOA stickers attached if bubbles noted? Yes / No / NA

Completed By: Date & Time: 9/23/20 1511
Reviewed By: Date & Time: 9/23/20 15:39
Delivered By: 9/23/20 15:39

CHAIN OF CUSTODY

185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

ESS Lab # 20J0659 | Page 1 of 1

Turn Time: ☐ >5 ☐ 5 ☐ 4 ☐ 3 ☐ 2 ☐ 1 ☐ Same Day

Regulatory State: Criteria:

Is this project for any of the following?: ☐ CT RCP ☐ MA MCP ☐ RGP ☐ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF): ☐ Limit Checker ☐ State Forms ☐ EQuIS ☐ Excel ☐ Hard Copy ☐ Enviro Data ☐ CLP-Like Package ☐ Other (Specify) →

CLIENT INFORMATION

Client: GZA GeoEnvironmental
Address: 188 Valley Street
Providence, R.I.
Phone: 401-421-4140
Email Distribution List: SARA.HAUPT @ GZA.COM

PROJECT INFORMATION

Project Name: NGRID 642
Project Location: ALLENS AVE PROVIDENCE, RI
Project Number: 33559.04 / 6.2
Project Manager:
Bill to: GZA
P.O.#: SARA HAUPT
Quote#:

Client acknowledges that sampling is compliant with all BPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	VOC 8260	SVOC 8270	T. Metals PPB 6010	TPH-8100 M	Total Number of Bottles
	~~9.23.20~~	~~1130~~	~~COMP~~	~~SOIL~~		~~X~~	~~X~~	~~X~~	~~X~~	
1	9.23.20	1130	COMP	SOIL	SP092320	X	X	X	X	

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial

Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*

Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*

Sampled by :

Chain needs to be filled out neatly and completely for on time delivery.

Laboratory Use Only
Cooler Temperature (°C): 2.6 ice

Comments: * Please specify "Other" preservative and containers types in this space

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration ☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
[signature]	9.23.20	13:45	Amber Faucia				

CERTIFICATE OF ANALYSIS

Sophia Narkiewicz
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: 642 Allens Ave (03.0033554)
ESS Laboratory Work Order Number: 20G0354

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 5:36 pm, Jul 16, 2020

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

SAMPLE RECEIPT

The following samples were received on July 14, 2020 for the analyses specified on the enclosed Chain of Custody Record.

Revision 1 July 16, 2020: This report has been revised to include lowered reporting limit for Beryllium for 20G0354-01.

Lab Number	Sample Name	Matrix	Analysis
20G0354-01	PJ Keating 1.5in Dense Grade Pile E S-1	Soil	6010C, 6020A, 7010, 7471B, 8100M, 8260B Low, 8270D
20G0354-02	PJ Keating 1.5in Dense Grade Pile E AS-1	Soil	7010
20G0354-03	PJ Keating 1.5in Dense Grade Pile E AS-2	Soil	7010
20G0354-04	PJ Keating 1.5in Dense Grade Pile E AS-3	Soil	7010

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

DG01445-BS1 **Blank Spike recovery is above upper control limit (B+).**
Acetone (146% @ 70-130%)

DG01445-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
Acetone (44% @ 25%)

8270D Semi-Volatile Organic Compounds

D0G0192-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (109% @ 80-120%), 4,6-Dinitro-2-Methylphenol (106% @ 80-120%), Benzoic Acid (96% @ 80-120%)

D0G0192-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Hexachlorocyclopentadiene (21% @ 20%)

Total Metals

DG01404-BS5 **Blank Spike recovery is below lower control limit (B-).**
Thallium (105% @ 80-120%)

DG01404-BSD3 **Blank Spike recovery is above upper control limit (B+).**
Antimony (236% @ 40-160%)

DG01404-BSD3 **Blank Spike recovery is below lower control limit (B-).**
Chromium (43% @ 80-120%), Copper (47% @ 73-127%), Nickel (36% @ 65-132%), Selenium (24% @ 52-147%), Zinc (49% @ 80-120%)

DG01404-BSD3 **Relative percent difference for duplicate is outside of criteria (D+).**
Antimony (97% @ 30%), Copper (67% @ 30%), Nickel (92% @ 30%), Selenium (125% @ 30%), Silver (48% @ 30%), Zinc (71% @ 30%)

DG01404-BSD5 **Relative percent difference for duplicate is outside of criteria (D+).**
Thallium (46% @ 30%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E S-1
Date Sampled: 07/14/20 09:15
Percent Solids: 98

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (2.12)		6020A		5	NAR	07/15/20 14:46	2.41	100	DG01404
Arsenic	ND (1.06)		7010		1	KJK	07/15/20 14:28	2.41	100	DG01404
Beryllium	**0.16** (0.09)		6010C		1	KJK	07/16/20 11:22	2.41	100	DG01404
Cadmium	ND (2.12)		6020A		5	NAR	07/15/20 14:46	2.41	100	DG01404
Chromium	**121** (4.23)		6020A		5	NAR	07/15/20 14:46	2.41	100	DG01404
Copper	**133** (10.6)		6020A		5	NAR	07/15/20 14:46	2.41	100	DG01404
Lead	**39.3** (2.12)		6020A		5	NAR	07/15/20 14:46	2.41	100	DG01404
Mercury	ND (0.029)		7471B		1	MKS	07/15/20 8:52	0.69	40	DG01405
Nickel	**85.3** (2.12)		6020A		5	NAR	07/15/20 14:46	2.41	100	DG01404
Selenium	ND (2.12)		6020A		5	NAR	07/15/20 14:46	2.41	100	DG01404
Silver	ND (2.12)		6020A		5	NAR	07/15/20 14:46	2.41	100	DG01404
Thallium	ND (2.12)		6020A		5	NAR	07/15/20 14:46	2.41	100	DG01404
Zinc	**324** (4.23)		6020A		5	NAR	07/15/20 14:46	2.41	100	DG01404

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E S-1
Date Sampled: 07/14/20 09:15
Percent Solids: 98
Initial Volume: 6.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,1,1-Trichloroethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,1,2,2-Tetrachloroethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,1,2-Trichloroethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,1-Dichloroethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,1-Dichloroethene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,1-Dichloropropene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,2,3-Trichlorobenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,2,3-Trichloropropane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,2,4-Trichlorobenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,2,4-Trimethylbenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,2-Dibromo-3-Chloropropane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,2-Dibromoethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,2-Dichlorobenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,2-Dichloroethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,2-Dichloropropane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,3,5-Trimethylbenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,3-Dichlorobenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,3-Dichloropropane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,4-Dichlorobenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1,4-Dioxane	ND (0.0739)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
1-Chlorohexane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
2,2-Dichloropropane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
2-Butanone	ND (0.0370)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
2-Chlorotoluene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
2-Hexanone	ND (0.0370)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
4-Chlorotoluene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
4-Isopropyltoluene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
4-Methyl-2-Pentanone	ND (0.0370)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Acetone	ND (0.0370)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Benzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Bromobenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E S-1
Date Sampled: 07/14/20 09:15
Percent Solids: 98
Initial Volume: 6.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Bromodichloromethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Bromoform	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Bromomethane	ND (0.0074)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Carbon Disulfide	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Carbon Tetrachloride	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Chlorobenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Chloroethane	ND (0.0074)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Chloroform	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Chloromethane	ND (0.0074)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
cis-1,2-Dichloroethene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
cis-1,3-Dichloropropene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Dibromochloromethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Dibromomethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Dichlorodifluoromethane	ND (0.0074)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Diethyl Ether	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Di-isopropyl ether	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Ethyl tertiary-butyl ether	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Ethylbenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Hexachlorobutadiene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Isopropylbenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Methyl tert-Butyl Ether	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Methylene Chloride	ND (0.0185)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Naphthalene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
n-Butylbenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
n-Propylbenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
sec-Butylbenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Styrene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
tert-Butylbenzene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Tertiary-amyl methyl ether	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Tetrachloroethene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Tetrahydrofuran	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E S-1
Date Sampled: 07/14/20 09:15
Percent Solids: 98
Initial Volume: 6.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
trans-1,2-Dichloroethene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
trans-1,3-Dichloropropene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Trichloroethene	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Trichlorofluoromethane	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Vinyl Acetate	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Vinyl Chloride	ND (0.0074)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Xylene O	ND (0.0037)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Xylene P,M	ND (0.0074)		8260B Low		1	07/14/20 14:10	D0G0209	DG01445
Xylenes (Total)	ND (0.00739)		8260B Low		1	07/14/20 14:10		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*118 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*96 %*		*70-130*
Surrogate: Dibromofluoromethane	*112 %*		*70-130*
Surrogate: Toluene-d8	*101 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E S-1
Date Sampled: 07/14/20 09:15
Percent Solids: 98
Initial Volume: 19.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: NXL
Prepared: 7/14/20 10:55

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (40.1)		8100M		1	07/14/20 17:14	D0G0195	DG01409

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*93 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E S-1
Date Sampled: 07/14/20 09:15
Percent Solids: 98
Initial Volume: 15.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 7/14/20 10:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
1,2,4-Trichlorobenzene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
1,2-Dichlorobenzene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
1,3-Dichlorobenzene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
1,4-Dichlorobenzene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2,3,4,6-Tetrachlorophenol	ND (1.62)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2,4,5-Trichlorophenol	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2,4,6-Trichlorophenol	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2,4-Dichlorophenol	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2,4-Dimethylphenol	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2,4-Dinitrophenol	ND (1.62)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2,4-Dinitrotoluene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2,6-Dinitrotoluene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2-Chloronaphthalene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2-Chlorophenol	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2-Methylnaphthalene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2-Methylphenol	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2-Nitroaniline	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
2-Nitrophenol	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
3,3′-Dichlorobenzidine	ND (0.646)		8270D		1	07/14/20 21:19	D0G0192	DG01408
3+4-Methylphenol	ND (0.646)		8270D		1	07/14/20 21:19	D0G0192	DG01408
3-Nitroaniline	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
4,6-Dinitro-2-Methylphenol	ND (1.62)		8270D		1	07/14/20 21:19	D0G0192	DG01408
4-Bromophenyl-phenylether	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
4-Chloro-3-Methylphenol	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
4-Chloroaniline	ND (0.646)		8270D		1	07/14/20 21:19	D0G0192	DG01408
4-Chloro-phenyl-phenyl ether	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
4-Nitroaniline	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
4-Nitrophenol	ND (1.62)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Acenaphthene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Acenaphthylene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Acetophenone	ND (0.646)		8270D		1	07/14/20 21:19	D0G0192	DG01408

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E S-1
Date Sampled: 07/14/20 09:15
Percent Solids: 98
Initial Volume: 15.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 7/14/20 10:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.646)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Anthracene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Azobenzene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Benzo(a)anthracene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Benzo(a)pyrene	ND (0.162)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Benzo(b)fluoranthene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Benzo(g,h,i)perylene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Benzo(k)fluoranthene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Benzoic Acid	ND (1.62)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Benzyl Alcohol	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
bis(2-Chloroethoxy)methane	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
bis(2-Chloroethyl)ether	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
bis(2-chloroisopropyl)Ether	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
bis(2-Ethylhexyl)phthalate	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Butylbenzylphthalate	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Carbazole	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Chrysene	ND (0.162)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Dibenzo(a,h)Anthracene	ND (0.162)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Dibenzofuran	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Diethylphthalate	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Dimethylphthalate	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Di-n-butylphthalate	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Di-n-octylphthalate	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Fluoranthene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Fluorene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Hexachlorobenzene	ND (0.162)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Hexachlorobutadiene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Hexachlorocyclopentadiene	ND (1.62)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Hexachloroethane	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Indeno(1,2,3-cd)Pyrene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Isophorone	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Naphthalene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E S-1
Date Sampled: 07/14/20 09:15
Percent Solids: 98
Initial Volume: 15.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 7/14/20 10:55

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
N-Nitrosodimethylamine	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
N-Nitroso-Di-n-Propylamine	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
N-nitrosodiphenylamine	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Pentachlorophenol	ND (1.62)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Phenanthrene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Phenol	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Pyrene	ND (0.323)		8270D		1	07/14/20 21:19	D0G0192	DG01408
Pyridine	ND (1.62)		8270D		1	07/14/20 21:19	D0G0192	DG01408

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*66 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*78 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*70 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*74 %*		*30-130*
Surrogate: 2-Fluorophenol	*78 %*		*30-130*
Surrogate: Nitrobenzene-d5	*74 %*		*30-130*
Surrogate: Phenol-d6	*71 %*		*30-130*
Surrogate: p-Terphenyl-d14	*93 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E AS-1
Date Sampled: 07/14/20 09:25
Percent Solids: 98

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.15)		7010		1	KJK	07/15/20 14:40	2.21	100	DG01404

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E AS-2
Date Sampled: 07/14/20 09:35
Percent Solids: 98

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (0.80)		7010		1	KJK	07/15/20 14:45	3.18	100	DG01404

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: PJ Keating 1.5in Dense Grade Pile E AS-3
Date Sampled: 07/14/20 09:45
Percent Solids: 98

ESS Laboratory Work Order: 20G0354
ESS Laboratory Sample ID: 20G0354-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.04)		7010		1	KJK	07/15/20 14:51	2.44	100	DG01404

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DG01404 - 3050B										
Blank										
Beryllium	ND	0.11	mg/kg wet							
Blank										
Antimony	ND	0.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	1.44	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	0.50	mg/kg wet							
Nickel	ND	0.50	mg/kg wet							
Selenium	ND	0.50	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	0.50	mg/kg wet							
Zinc	ND	1.00	mg/kg wet							
Blank										
Arsenic	ND	0.25	mg/kg wet							
Arsenic	ND	0.25	mg/kg wet							
LCS										
Beryllium	118	0.35	mg/kg wet	117.0		101	80-120			
LCS										
Antimony	34.4	8.06	mg/kg wet	42.00		82	40-160			
Cadmium	122	8.06	mg/kg wet	118.0		103	69-130			
Chromium	258	16.1	mg/kg wet	299.0		86	80-120			
Copper	313	40.3	mg/kg wet	330.0		95	73-127			
Lead	146	8.06	mg/kg wet	144.0		101	69-130			
Nickel	164	8.06	mg/kg wet	171.0		96	65-132			
Selenium	162	8.06	mg/kg wet	154.0		105	52-147			
Silver	75.4	8.06	mg/kg wet	73.50		103	54-144			
Zinc	892	16.1	mg/kg wet	874.0		102	80-120			
LCS										
Arsenic	36.4	20.2	mg/kg wet	43.10		85	80-120			
Arsenic	36.4	20.2	mg/kg wet	43.10		85	80-120			
LCS										
Thallium	95.1	8.06	mg/kg wet	90.40		105	80-120			B-
LCS Dup										
Beryllium	118	0.31	mg/kg wet	117.0		101	80-120	0.2	20	
LCS Dup										
Antimony	99.0	8.06	mg/kg wet	42.00		236	40-160	97	30	B++
Cadmium	145	8.06	mg/kg wet	118.0		123	69-130	17	30	
Chromium	128	16.1	mg/kg wet	299.0		43	80-120	68	30	B-
Copper	157	40.3	mg/kg wet	330.0		47	73-127	67	30	B-+
Lead	110	8.06	mg/kg wet	144.0		76	69-130	28	30	
Nickel	60.8	8.06	mg/kg wet	171.0		36	65-132	92	30	B-+
Selenium	37.2	8.06	mg/kg wet	154.0		24	52-147	125	30	B-+

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DG01404 - 3050B										
Silver	46.4	8.06	mg/kg wet	73.50		63	54-144	48	30	D+
Zinc	425	16.1	mg/kg wet	874.0		49	80-120	71	30	D+, B-
LCS Dup										
Arsenic	36.0	17.6	mg/kg wet	43.10		84	80-120	1	20	
Arsenic	36.0	17.6	mg/kg wet	43.10		84	80-120	1	20	
LCS Dup										
Thallium	59.2	7.94	mg/kg wet	90.40		66	80-120	46	30	D+
Batch DG01405 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	23.9	3.25	mg/kg wet	26.60		90	80-120			
LCS Dup										
Mercury	22.1	3.05	mg/kg wet	26.60		83	80-120	8	20	
Reference										
Mercury	1.06	0.183	mg/kg wet	1000		0.1	0-200			
5035/8260B Volatile Organic Compounds / Low Level										
Batch DG01445 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DG01445 - 5035										
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DG01445 - 5035										
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0594*		mg/kg wet	*0.05000*		*119*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0486*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0556*		mg/kg wet	*0.05000*		*111*	*70-130*			
Surrogate: Toluene-d8	*0.0497*		mg/kg wet	*0.05000*		*99*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
1,1,1-Trichloroethane	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
1,1,2,2-Tetrachloroethane	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
1,1,2-Trichloroethane	0.0533	0.0050	mg/kg wet	0.05000		107	70-130			
1,1-Dichloroethane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
1,1-Dichloroethene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
1,1-Dichloropropene	0.0558	0.0050	mg/kg wet	0.05000		112	70-130			
1,2,3-Trichlorobenzene	0.0550	0.0050	mg/kg wet	0.05000		110	70-130			
1,2,3-Trichloropropane	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
1,2,4-Trichlorobenzene	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
1,2,4-Trimethylbenzene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
1,2-Dibromo-3-Chloropropane	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
1,2-Dibromoethane	0.0523	0.0050	mg/kg wet	0.05000		105	70-130			
1,2-Dichlorobenzene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
1,2-Dichloroethane	0.0529	0.0050	mg/kg wet	0.05000		106	70-130			
1,2-Dichloropropane	0.0528	0.0050	mg/kg wet	0.05000		106	70-130			
1,3,5-Trimethylbenzene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130			
1,3-Dichlorobenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
1,3-Dichloropropane	0.0536	0.0050	mg/kg wet	0.05000		107	70-130			
1,4-Dichlorobenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
1,4-Dioxane	1.11	0.100	mg/kg wet	1.000		111	70-130			
1-Chlorohexane	0.0442	0.0050	mg/kg wet	0.05000		88	70-130			
2,2-Dichloropropane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
2-Butanone	0.311	0.0500	mg/kg wet	0.2500		125	70-130			
2-Chlorotoluene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130			
2-Hexanone	0.319	0.0500	mg/kg wet	0.2500		127	70-130			
4-Chlorotoluene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130			
4-Isopropyltoluene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
4-Methyl-2-Pentanone	0.263	0.0500	mg/kg wet	0.2500		105	70-130			
Acetone	0.365	0.0500	mg/kg wet	0.2500		146	70-130			B+
Benzene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
Bromobenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
Bromochloromethane	0.0501	0.0050	mg/kg wet	0.05000		100	70-130			
Bromodichloromethane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
Bromoform	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DG01445 - 5035										
Bromomethane	0.0505	0.0100	mg/kg wet	0.05000		101	70-130			
Carbon Disulfide	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
Carbon Tetrachloride	0.0522	0.0050	mg/kg wet	0.05000		104	70-130			
Chlorobenzene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
Chloroethane	0.0482	0.0100	mg/kg wet	0.05000		96	70-130			
Chloroform	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			
Chloromethane	0.0475	0.0100	mg/kg wet	0.05000		95	70-130			
cis-1,2-Dichloroethene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130			
cis-1,3-Dichloropropene	0.0574	0.0050	mg/kg wet	0.05000		115	70-130			
Dibromochloromethane	0.0530	0.0050	mg/kg wet	0.05000		106	70-130			
Dibromomethane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
Dichlorodifluoromethane	0.0420	0.0100	mg/kg wet	0.05000		84	70-130			
Diethyl Ether	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
Di-isopropyl ether	0.0514	0.0050	mg/kg wet	0.05000		103	70-130			
Ethyl tertiary-butyl ether	0.0446	0.0050	mg/kg wet	0.05000		89	70-130			
Ethylbenzene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130			
Hexachlorobutadiene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			
Isopropylbenzene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130			
Methyl tert-Butyl Ether	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
Methylene Chloride	0.0525	0.0250	mg/kg wet	0.05000		105	70-130			
Naphthalene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130			
n-Butylbenzene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
n-Propylbenzene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130			
sec-Butylbenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130			
Styrene	0.0479	0.0050	mg/kg wet	0.05000		96	70-130			
tert-Butylbenzene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130			
Tertiary-amyl methyl ether	0.0458	0.0050	mg/kg wet	0.05000		92	70-130			
Tetrachloroethene	0.0528	0.0050	mg/kg wet	0.05000		106	70-130			
Tetrahydrofuran	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
Toluene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
trans-1,2-Dichloroethene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130			
trans-1,3-Dichloropropene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
Trichloroethene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130			
Trichlorofluoromethane	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
Vinyl Acetate	0.0458	0.0050	mg/kg wet	0.05000		92	70-130			
Vinyl Chloride	0.0489	0.0100	mg/kg wet	0.05000		98	70-130			
Xylene O	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
Xylene P,M	0.0987	0.0100	mg/kg wet	0.1000		99	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0516*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0500*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0506*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0491*		mg/kg wet	*0.05000*		*98*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	5	25	
1,1,1-Trichloroethane	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	4	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DG01445 - 5035										
1,1,2,2-Tetrachloroethane	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	1	25	
1,1,2-Trichloroethane	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	3	25	
1,1-Dichloroethane	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
1,1-Dichloroethene	0.0575	0.0050	mg/kg wet	0.05000		115	70-130	6	25	
1,1-Dichloropropene	0.0580	0.0050	mg/kg wet	0.05000		116	70-130	4	25	
1,2,3-Trichlorobenzene	0.0592	0.0050	mg/kg wet	0.05000		118	70-130	7	25	
1,2,3-Trichloropropane	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	0.4	25	
1,2,4-Trichlorobenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	6	25	
1,2,4-Trimethylbenzene	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	5	25	
1,2-Dibromo-3-Chloropropane	0.0466	0.0050	mg/kg wet	0.05000		93	70-130	2	25	
1,2-Dibromoethane	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	3	25	
1,2-Dichlorobenzene	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
1,2-Dichloroethane	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	3	25	
1,2-Dichloropropane	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	5	25	
1,3,5-Trimethylbenzene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	5	25	
1,3-Dichlorobenzene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	8	25	
1,3-Dichloropropane	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	4	25	
1,4-Dichlorobenzene	0.0528	0.0050	mg/kg wet	0.05000		106	70-130	2	25	
1,4-Dioxane	1.13	0.100	mg/kg wet	1.000		113	70-130	1	20	
1-Chlorohexane	0.0472	0.0050	mg/kg wet	0.05000		94	70-130	7	25	
2,2-Dichloropropane	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	4	25	
2-Butanone	0.270	0.0500	mg/kg wet	0.2500		108	70-130	14	25	
2-Chlorotoluene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	5	25	
2-Hexanone	0.268	0.0500	mg/kg wet	0.2500		107	70-130	17	25	
4-Chlorotoluene	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	5	25	
4-Isopropyltoluene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	6	25	
4-Methyl-2-Pentanone	0.249	0.0500	mg/kg wet	0.2500		100	70-130	6	25	
Acetone	0.233	0.0500	mg/kg wet	0.2500		93	70-130	44	25	D+
Benzene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	4	25	
Bromobenzene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	4	25	
Bromochloromethane	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	5	25	
Bromodichloromethane	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	4	25	
Bromoform	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	1	25	
Bromomethane	0.0519	0.0100	mg/kg wet	0.05000		104	70-130	3	25	
Carbon Disulfide	0.0528	0.0050	mg/kg wet	0.05000		106	70-130	4	25	
Carbon Tetrachloride	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	3	25	
Chlorobenzene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	6	25	
Chloroethane	0.0501	0.0100	mg/kg wet	0.05000		100	70-130	4	25	
Chloroform	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	4	25	
Chloromethane	0.0497	0.0100	mg/kg wet	0.05000		99	70-130	4	25	
cis-1,2-Dichloroethene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	5	25	
cis-1,3-Dichloropropene	0.0601	0.0050	mg/kg wet	0.05000		120	70-130	5	25	
Dibromochloromethane	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	4	25	
Dibromomethane	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
Dichlorodifluoromethane	0.0433	0.0100	mg/kg wet	0.05000		87	70-130	3	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DG01445 - 5035										
Diethyl Ether	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	3	25	
Di-isopropyl ether	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
Ethyl tertiary-butyl ether	0.0468	0.0050	mg/kg wet	0.05000		94	70-130	5	25	
Ethylbenzene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	6	25	
Hexachlorobutadiene	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	5	25	
Isopropylbenzene	0.0563	0.0050	mg/kg wet	0.05000		113	70-130	5	25	
Methyl tert-Butyl Ether	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	4	25	
Methylene Chloride	0.0549	0.0250	mg/kg wet	0.05000		110	70-130	5	25	
Naphthalene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130	6	25	
n-Butylbenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	5	25	
n-Propylbenzene	0.0569	0.0050	mg/kg wet	0.05000		114	70-130	5	25	
sec-Butylbenzene	0.0552	0.0050	mg/kg wet	0.05000		110	70-130	5	25	
Styrene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	5	25	
tert-Butylbenzene	0.0566	0.0050	mg/kg wet	0.05000		113	70-130	6	25	
Tertiary-amyl methyl ether	0.0478	0.0050	mg/kg wet	0.05000		96	70-130	4	25	
Tetrachloroethene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	5	25	
Tetrahydrofuran	0.0464	0.0050	mg/kg wet	0.05000		93	70-130	4	25	
Toluene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
trans-1,2-Dichloroethene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	5	25	
trans-1,3-Dichloropropene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	4	25	
Trichloroethene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	3	25	
Trichlorofluoromethane	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	5	25	
Vinyl Acetate	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	5	25	
Vinyl Chloride	0.0503	0.0100	mg/kg wet	0.05000		101	70-130	3	25	
Xylene O	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	6	25	
Xylene P,M	0.104	0.0100	mg/kg wet	0.1000		104	70-130	6	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0499*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0496*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0505*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0492*		mg/kg wet	*0.05000*		*98*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch DG01409 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DG01409 - 3546										
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	10.0	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.40*		mg/kg wet	*5.000*		*88*	*40-140*			
LCS										
Decane (C10)	1.7	0.2	mg/kg wet	2.500		67	40-140			
Docosane (C22)	2.4	0.2	mg/kg wet	2.500		95	40-140			
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		81	40-140			
Eicosane (C20)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Hexacosane (C26)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Hexadecane (C16)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Nonadecane (C19)	2.5	0.2	mg/kg wet	2.500		101	40-140			
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		65	30-140			
Octacosane (C28)	2.4	0.2	mg/kg wet	2.500		98	40-140			
Octadecane (C18)	2.3	0.2	mg/kg wet	2.500		90	40-140			
Tetracosane (C24)	2.4	0.2	mg/kg wet	2.500		95	40-140			
Tetradecane (C14)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Total Petroleum Hydrocarbons	34.9	37.5	mg/kg wet	35.00		100	40-140			
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		94	40-140			
Surrogate: O-Terphenyl	*4.45*		mg/kg wet	*5.000*		*89*	*40-140*			
LCS Dup										
Decane (C10)	1.7	0.2	mg/kg wet	2.500		68	40-140	1	25	
Docosane (C22)	2.4	0.2	mg/kg wet	2.500		95	40-140	0.8	25	
Dodecane (C12)	2.1	0.2	mg/kg wet	2.500		83	40-140	3	25	
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		94	40-140	2	25	
Hexacosane (C26)	2.4	0.2	mg/kg wet	2.500		96	40-140	0.4	25	
Hexadecane (C16)	2.2	0.2	mg/kg wet	2.500		87	40-140	0.7	25	
Nonadecane (C19)	2.5	0.2	mg/kg wet	2.500		100	40-140	1	25	
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		66	30-140	2	25	
Octacosane (C28)	2.4	0.2	mg/kg wet	2.500		97	40-140	0.2	25	
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		89	40-140	1	25	
Tetracosane (C24)	2.4	0.2	mg/kg wet	2.500		96	40-140	1	25	
Tetradecane (C14)	2.1	0.2	mg/kg wet	2.500		84	40-140	0.2	25	
Total Petroleum Hydrocarbons	32.3	37.5	mg/kg wet	35.00		92	40-140	8	25	
Triacontane (C30)	2.4	0.2	mg/kg wet	2.500		96	40-140	2	25	
Surrogate: O-Terphenyl	*4.44*		mg/kg wet	*5.000*		*89*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DG01408 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DG01408 - 3546										
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DG01408 - 3546										
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.14*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.10*		mg/kg wet	*5.000*		*82*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.40*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.48*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*3.83*		mg/kg wet	*5.000*		*77*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.42*		mg/kg wet	*3.333*		*73*	*30-130*			
Surrogate: Phenol-d6	*3.31*		mg/kg wet	*5.000*		*66*	*30-130*			
Surrogate: p-Terphenyl-d14	*4.28*		mg/kg wet	*3.333*		*128*	*30-130*			
LCS										
1,1-Biphenyl	2.20	0.333	mg/kg wet	3.333		66	40-140			
1,2,4-Trichlorobenzene	2.08	0.333	mg/kg wet	3.333		63	40-140			
1,2-Dichlorobenzene	1.92	0.333	mg/kg wet	3.333		58	40-140			
1,3-Dichlorobenzene	1.99	0.333	mg/kg wet	3.333		60	40-140			
1,4-Dichlorobenzene	1.94	0.333	mg/kg wet	3.333		58	40-140			
2,3,4,6-Tetrachlorophenol	2.42	1.67	mg/kg wet	3.333		73	30-130			
2,4,5-Trichlorophenol	2.50	0.333	mg/kg wet	3.333		75	30-130			
2,4,6-Trichlorophenol	2.42	0.333	mg/kg wet	3.333		72	30-130			
2,4-Dichlorophenol	2.33	0.333	mg/kg wet	3.333		70	30-130			
2,4-Dimethylphenol	2.26	0.333	mg/kg wet	3.333		68	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DG01408 - 3546										
2,4-Dinitrophenol	2.77	1.67	mg/kg wet	3.333		83	30-130			
2,4-Dinitrotoluene	2.85	0.333	mg/kg wet	3.333		85	40-140			
2,6-Dinitrotoluene	2.55	0.333	mg/kg wet	3.333		76	40-140			
2-Chloronaphthalene	2.26	0.333	mg/kg wet	3.333		68	40-140			
2-Chlorophenol	2.02	0.333	mg/kg wet	3.333		61	30-130			
2-Methylnaphthalene	2.07	0.333	mg/kg wet	3.333		62	40-140			
2-Methylphenol	2.01	0.333	mg/kg wet	3.333		60	30-130			
2-Nitroaniline	2.59	0.333	mg/kg wet	3.333		78	40-140			
2-Nitrophenol	1.98	0.333	mg/kg wet	3.333		59	30-130			
3,3´-Dichlorobenzidine	2.48	0.667	mg/kg wet	3.333		74	40-140			
3+4-Methylphenol	4.39	0.667	mg/kg wet	6.667		66	30-130			
3-Nitroaniline	2.64	0.333	mg/kg wet	3.333		79	40-140			
4,6-Dinitro-2-Methylphenol	2.93	1.67	mg/kg wet	3.333		88	30-130			
4-Bromophenyl-phenylether	2.88	0.333	mg/kg wet	3.333		87	40-140			
4-Chloro-3-Methylphenol	2.44	0.333	mg/kg wet	3.333		73	30-130			
4-Chloroaniline	1.83	0.667	mg/kg wet	3.333		55	40-140			
4-Chloro-phenyl-phenyl ether	2.57	0.333	mg/kg wet	3.333		77	40-140			
4-Nitroaniline	2.70	0.333	mg/kg wet	3.333		81	40-140			
4-Nitrophenol	2.59	1.67	mg/kg wet	3.333		78	30-130			
Acenaphthene	2.19	0.333	mg/kg wet	3.333		66	40-140			
Acenaphthylene	2.33	0.333	mg/kg wet	3.333		70	40-140			
Acetophenone	1.99	0.667	mg/kg wet	3.333		60	40-140			
Aniline	1.46	0.667	mg/kg wet	3.333		44	40-140			
Anthracene	2.70	0.333	mg/kg wet	3.333		81	40-140			
Azobenzene	2.69	0.333	mg/kg wet	3.333		81	40-140			
Benzo(a)anthracene	2.89	0.333	mg/kg wet	3.333		87	40-140			
Benzo(a)pyrene	2.88	0.167	mg/kg wet	3.333		86	40-140			
Benzo(b)fluoranthene	2.76	0.333	mg/kg wet	3.333		83	40-140			
Benzo(g,h,i)perylene	2.82	0.333	mg/kg wet	3.333		85	40-140			
Benzo(k)fluoranthene	2.99	0.333	mg/kg wet	3.333		90	40-140			
Benzoic Acid	2.44	1.67	mg/kg wet	3.333		73	40-140			
Benzyl Alcohol	2.02	0.333	mg/kg wet	3.333		61	40-140			
bis(2-Chloroethoxy)methane	2.16	0.333	mg/kg wet	3.333		65	40-140			
bis(2-Chloroethyl)ether	1.98	0.333	mg/kg wet	3.333		60	40-140			
bis(2-chloroisopropyl)Ether	1.78	0.333	mg/kg wet	3.333		53	40-140			
bis(2-Ethylhexyl)phthalate	2.87	0.333	mg/kg wet	3.333		86	40-140			
Butylbenzylphthalate	2.94	0.333	mg/kg wet	3.333		88	40-140			
Carbazole	2.81	0.333	mg/kg wet	3.333		84	40-140			
Chrysene	2.84	0.167	mg/kg wet	3.333		85	40-140			
Dibenzo(a,h)Anthracene	2.76	0.167	mg/kg wet	3.333		83	40-140			
Dibenzofuran	2.37	0.333	mg/kg wet	3.333		71	40-140			
Diethylphthalate	2.72	0.333	mg/kg wet	3.333		82	40-140			
Dimethylphthalate	2.59	0.333	mg/kg wet	3.333		78	40-140			
Di-n-butylphthalate	2.86	0.333	mg/kg wet	3.333		86	40-140			
Di-n-octylphthalate	2.79	0.333	mg/kg wet	3.333		84	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DG01408 - 3546										
Fluoranthene	2.76	0.333	mg/kg wet	3.333		83	40-140			
Fluorene	2.53	0.333	mg/kg wet	3.333		76	40-140			
Hexachlorobenzene	2.72	0.167	mg/kg wet	3.333		82	40-140			
Hexachlorobutadiene	2.02	0.333	mg/kg wet	3.333		60	40-140			
Hexachlorocyclopentadiene	2.24	1.67	mg/kg wet	3.333		67	40-140			
Hexachloroethane	1.83	0.333	mg/kg wet	3.333		55	40-140			
Indeno(1,2,3-cd)Pyrene	2.78	0.333	mg/kg wet	3.333		83	40-140			
Isophorone	1.78	0.333	mg/kg wet	3.333		53	40-140			
Naphthalene	2.03	0.333	mg/kg wet	3.333		61	40-140			
Nitrobenzene	2.02	0.333	mg/kg wet	3.333		61	40-140			
N-Nitrosodimethylamine	1.88	0.333	mg/kg wet	3.333		56	40-140			
N-Nitroso-Di-n-Propylamine	2.00	0.333	mg/kg wet	3.333		60	40-140			
N-nitrosodiphenylamine	2.80	0.333	mg/kg wet	3.333		84	40-140			
Pentachlorophenol	2.84	1.67	mg/kg wet	3.333		85	30-130			
Phenanthrene	2.82	0.333	mg/kg wet	3.333		85	40-140			
Phenol	2.16	0.333	mg/kg wet	3.333		65	30-130			
Pyrene	3.01	0.333	mg/kg wet	3.333		90	40-140			
Pyridine	1.91	1.67	mg/kg wet	3.333		57	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*1.85*		mg/kg wet	*3.333*		*55*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.43*		mg/kg wet	*5.000*		*89*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.12*		mg/kg wet	*5.000*		*62*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.26*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: 2-Fluorophenol	*3.43*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.14*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: Phenol-d6	*3.17*		mg/kg wet	*5.000*		*63*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.42*		mg/kg wet	*3.333*		*103*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.27	0.333	mg/kg wet	3.333		68	40-140	3	30	
1,2,4-Trichlorobenzene	2.19	0.333	mg/kg wet	3.333		66	40-140	5	30	
1,2-Dichlorobenzene	2.07	0.333	mg/kg wet	3.333		62	40-140	7	30	
1,3-Dichlorobenzene	2.14	0.333	mg/kg wet	3.333		64	40-140	7	30	
1,4-Dichlorobenzene	2.07	0.333	mg/kg wet	3.333		62	40-140	7	30	
2,3,4,6-Tetrachlorophenol	2.37	1.67	mg/kg wet	3.333		71	30-130	2	30	
2,4,5-Trichlorophenol	2.54	0.333	mg/kg wet	3.333		76	30-130	2	30	
2,4,6-Trichlorophenol	2.48	0.333	mg/kg wet	3.333		74	30-130	3	30	
2,4-Dichlorophenol	2.41	0.333	mg/kg wet	3.333		72	30-130	3	30	
2,4-Dimethylphenol	2.39	0.333	mg/kg wet	3.333		72	30-130	6	30	
2,4-Dinitrophenol	2.64	1.67	mg/kg wet	3.333		79	30-130	5	30	
2,4-Dinitrotoluene	2.85	0.333	mg/kg wet	3.333		86	40-140	0.1	30	
2,6-Dinitrotoluene	2.56	0.333	mg/kg wet	3.333		77	40-140	0.3	30	
2-Chloronaphthalene	2.34	0.333	mg/kg wet	3.333		70	40-140	3	30	
2-Chlorophenol	2.11	0.333	mg/kg wet	3.333		63	30-130	4	30	
2-Methylnaphthalene	2.18	0.333	mg/kg wet	3.333		65	40-140	5	30	
2-Methylphenol	2.09	0.333	mg/kg wet	3.333		63	30-130	4	30	
2-Nitroaniline	2.55	0.333	mg/kg wet	3.333		77	40-140	2	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DG01408 - 3546										
2-Nitrophenol	2.10	0.333	mg/kg wet	3.333		63	30-130	6	30	
3,3´-Dichlorobenzidine	2.44	0.667	mg/kg wet	3.333		73	40-140	2	30	
3+4-Methylphenol	4.47	0.667	mg/kg wet	6.667		67	30-130	2	30	
3-Nitroaniline	2.67	0.333	mg/kg wet	3.333		80	40-140	1	30	
4,6-Dinitro-2-Methylphenol	2.89	1.67	mg/kg wet	3.333		87	30-130	1	30	
4-Bromophenyl-phenylether	2.92	0.333	mg/kg wet	3.333		88	40-140	1	30	
4-Chloro-3-Methylphenol	2.48	0.333	mg/kg wet	3.333		74	30-130	1	30	
4-Chloroaniline	1.88	0.667	mg/kg wet	3.333		56	40-140	3	30	
4-Chloro-phenyl-phenyl ether	2.61	0.333	mg/kg wet	3.333		78	40-140	2	30	
4-Nitroaniline	2.66	0.333	mg/kg wet	3.333		80	40-140	1	30	
4-Nitrophenol	2.52	1.67	mg/kg wet	3.333		75	30-130	3	30	
Acenaphthene	2.24	0.333	mg/kg wet	3.333		67	40-140	2	30	
Acenaphthylene	2.41	0.333	mg/kg wet	3.333		72	40-140	3	30	
Acetophenone	2.08	0.667	mg/kg wet	3.333		62	40-140	4	30	
Aniline	1.45	0.667	mg/kg wet	3.333		44	40-140	0.1	30	
Anthracene	2.66	0.333	mg/kg wet	3.333		80	40-140	2	30	
Azobenzene	2.72	0.333	mg/kg wet	3.333		82	40-140	0.9	30	
Benzo(a)anthracene	2.88	0.333	mg/kg wet	3.333		86	40-140	0.2	30	
Benzo(a)pyrene	2.85	0.167	mg/kg wet	3.333		86	40-140	1	30	
Benzo(b)fluoranthene	2.69	0.333	mg/kg wet	3.333		81	40-140	2	30	
Benzo(g,h,i)perylene	2.78	0.333	mg/kg wet	3.333		83	40-140	2	30	
Benzo(k)fluoranthene	3.05	0.333	mg/kg wet	3.333		92	40-140	2	30	
Benzoic Acid	2.39	1.67	mg/kg wet	3.333		72	40-140	2	30	
Benzyl Alcohol	2.02	0.333	mg/kg wet	3.333		60	40-140	0.3	30	
bis(2-Chloroethoxy)methane	2.28	0.333	mg/kg wet	3.333		68	40-140	5	30	
bis(2-Chloroethyl)ether	2.13	0.333	mg/kg wet	3.333		64	40-140	7	30	
bis(2-chloroisopropyl)Ether	1.96	0.333	mg/kg wet	3.333		59	40-140	9	30	
bis(2-Ethylhexyl)phthalate	2.95	0.333	mg/kg wet	3.333		89	40-140	3	30	
Butylbenzylphthalate	3.01	0.333	mg/kg wet	3.333		90	40-140	2	30	
Carbazole	2.79	0.333	mg/kg wet	3.333		84	40-140	0.6	30	
Chrysene	2.83	0.167	mg/kg wet	3.333		85	40-140	0.4	30	
Dibenzo(a,h)Anthracene	2.71	0.167	mg/kg wet	3.333		81	40-140	2	30	
Dibenzofuran	2.41	0.333	mg/kg wet	3.333		72	40-140	2	30	
Diethylphthalate	2.69	0.333	mg/kg wet	3.333		81	40-140	1	30	
Dimethylphthalate	2.60	0.333	mg/kg wet	3.333		78	40-140	0.4	30	
Di-n-butylphthalate	2.86	0.333	mg/kg wet	3.333		86	40-140	0.1	30	
Di-n-octylphthalate	2.83	0.333	mg/kg wet	3.333		85	40-140	2	30	
Fluoranthene	2.75	0.333	mg/kg wet	3.333		82	40-140	0.5	30	
Fluorene	2.58	0.333	mg/kg wet	3.333		78	40-140	2	30	
Hexachlorobenzene	2.70	0.167	mg/kg wet	3.333		81	40-140	0.7	30	
Hexachlorobutadiene	2.19	0.333	mg/kg wet	3.333		66	40-140	8	30	
Hexachlorocyclopentadiene	2.34	1.67	mg/kg wet	3.333		70	40-140	4	30	
Hexachloroethane	1.99	0.333	mg/kg wet	3.333		60	40-140	9	30	
Indeno(1,2,3-cd)Pyrene	2.75	0.333	mg/kg wet	3.333		83	40-140	0.8	30	
Isophorone	1.87	0.333	mg/kg wet	3.333		56	40-140	5	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DG01408 - 3546										
Naphthalene	2.16	0.333	mg/kg wet	3.333		65	40-140	6	30	
Nitrobenzene	2.17	0.333	mg/kg wet	3.333		65	40-140	7	30	
N-Nitrosodimethylamine	2.04	0.333	mg/kg wet	3.333		61	40-140	8	30	
N-Nitroso-Di-n-Propylamine	2.03	0.333	mg/kg wet	3.333		61	40-140	2	30	
N-nitrosodiphenylamine	2.88	0.333	mg/kg wet	3.333		86	40-140	3	30	
Pentachlorophenol	2.66	1.67	mg/kg wet	3.333		80	30-130	6	30	
Phenanthrene	2.81	0.333	mg/kg wet	3.333		84	40-140	0.4	30	
Phenol	2.19	0.333	mg/kg wet	3.333		66	30-130	1	30	
Pyrene	2.98	0.333	mg/kg wet	3.333		90	40-140	0.8	30	
Pyridine	2.06	1.67	mg/kg wet	3.333		62	40-140	7	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.07*		mg/kg wet	*3.333*		*62*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.54*		mg/kg wet	*5.000*		*91*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.35*		mg/kg wet	*5.000*		*67*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.43*		mg/kg wet	*3.333*		*73*	*30-130*			
Surrogate: 2-Fluorophenol	*3.74*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.38*		mg/kg wet	*3.333*		*71*	*30-130*			
Surrogate: Phenol-d6	*3.38*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.51*		mg/kg wet	*3.333*		*105*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
D+	Relative percent difference for duplicate is outside of criteria (D+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
B+	Blank Spike recovery is above upper control limit (B+).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 20G0354

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: Client

ESS Project ID: 20G0354
Date Received: 7/14/2020
Project Due Date: 7/15/2020
Days for Project: 1 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 5.9 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** (Yes) / No / NA
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? Yes / (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / (No)
    b. Does methanol cover soil completely? (Yes) / No / NA

13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 7/14/20 Time: 16:37 By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / (No)
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	63706	Yes	N/A	Yes	VOA Vial	MeOH	
1	63707	Yes	N/A	Yes	VOA Vial	DI Water	
1	63708	Yes	N/A	Yes	VOA Vial	DI Water	
1	63712	Yes	N/A	Yes	8 oz jar	NP	
2	63709	Yes	N/A	Yes	8 oz jar	NP	
3	63710	Yes	N/A	Yes	8 oz jar	NP	
4	63711	Yes	N/A	Yes	8 oz jar	NP	

2nd Review

Were all containers scanned into storage/lab? Initials

	Yes / No
Are barcode labels on correct containers?	Yes / No
Are all Flashpoint stickers attached/container ID # circled?	Yes / No / NA
Are all Hex Chrome stickers attached?	Yes / No / NA
Are all QC stickers attached?	Yes / No / NA
Are VOA stickers attached if bubbles noted?	Yes / No / NA

Completed By:
Reviewed

Date & Time: 7/14/20 10:32

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 20G0354

Date Received: 7/14/2020

By: [signature]

Date & Time: 7/14/20 1031

Delivered By: [signature] 7/14/20 1031

CHAIN OF CUSTODY (24-hr)

ESS Laboratory
185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

ESS Lab # 2060354 | Page of

Turn Time: ☐ >5 ☐ 5 ☐ 4 ☐ 3 ☐ 2 ☒ 1 ☐ Same Day
Regulatory State: RI Criteria:
Is this project for any of the following?: ☐ CT RCP ☐ MA MCP ☐ RGP ☐ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF)
☐ Limit Checker ☐ State Forms ☐ EQuIS
☒ Excel ☐ Hard Copy ☐ Enviro Data
☐ CLP-Like Package ☒ Other (Specify) → PDF

CLIENT INFORMATION

Client: GZA
Address: 168 Valley St
Providence, RI 02909
Phone: 401-427-2738
Email Distribution List: Sara.haupt@gza.com
Sophia.narkiewicz@gza.com

PROJECT INFORMATION

Project Name: 642 Allens Ave - National Grid
Project Location:
Project Number: 33554.06
Project Manager:
Bill to:
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Total Arsenic	PP13 Metals	TPH	SVOC	VOC (High & LL)
1	7/14/20	0915	Composite	Soil	PJ Keating 1.5" dense grade Pile E S-1		X	X	X	X
2	7/14/20	0925	Composite	Soil	PJ Keating 1.5" dense grade Pile E As-1	X				
3	7/14/20	0935	Composite	Soil	PJ Keating 1.5" dense grade Pile E As-2	X				
4	7/14/20	0945	Composite	Soil	PJ Keating 1.5" dense grade Pile E As-3	X				
						AG	AG	AG	AG	V
						10	10	10	10	7
						1	1	1	1	6

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*

Chain needs to be filled out neatly and completely for on time delivery.

Sampled by: David Thibault (GZA)

Laboratory Use Only
Cooler Temperature (°C): Ice 5.9

Comments: * Please specify "Other" preservative and containers types in this space

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration ☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
David Thibault	7/14/20	1013					

CERTIFICATE OF ANALYSIS

Sara Haupt
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: FPLP (03.0033554.05 Task 6.2)
ESS Laboratory Work Order Number: 20F0959

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 2:31 pm, Jun 29, 2020

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

SAMPLE RECEIPT

The following samples were received on June 25, 2020 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on June 25, 2020 at 1312.

Lab Number	Sample Name	Matrix	Analysis
20F0959-01	SP062520-1	Soil	6010C, 6020A, 7471B, 8100M, 8260B Low, 8270D
20F0959-02	SP062520-2	Soil	6010C
20F0959-03	SP062520-3	Soil	6010C

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

DF02651-BS1 **Blank Spike recovery is below lower control limit (B-).**
1,4-Dioxane (69% @ 70-130%), Acetone (66% @ 70-130%)

DF02651-BSD1 **Blank Spike recovery is below lower control limit (B-).**
Bromoform (64% @ 70-130%)

DF02651-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
1,4-Dioxane (37% @ 20%), Acetone (34% @ 25%)

8270D Semi-Volatile Organic Compounds

D0F0492-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (128% @ 80-120%), 4,6-Dinitro-2-Methylphenol (122% @ 80-120%), Benzoic Acid (126% @ 80-120%), Pentachlorophenol (125% @ 80-120%)

D0F0492-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2,4-Dinitrophenol (28% @ 20%), 4,6-Dinitro-2-Methylphenol (22% @ 20%), Benzoic Acid (26% @ 20%), Pentachlorophenol (25% @ 20%), Pyridine (35% @ 20%)

D0F0504-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (91% @ 80-120%), 4,6-Dinitro-2-Methylphenol (86% @ 80-120%), Benzoic Acid (95% @ 80-120%), Pentachlorophenol (104% @ 80-120%)

D0F0504-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Pyridine (29% @ 20%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP062520-1
Date Sampled: 06/25/20 11:30
Percent Solids: 97

ESS Laboratory Work Order: 20F0959
ESS Laboratory Sample ID: 20F0959-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.27)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552
Arsenic	ND (2.13)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552
Beryllium	ND (0.43)		6020A		1	NAR	06/26/20 13:49	2.42	100	DF02552
Cadmium	ND (0.43)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552
Chromium	**9.88** (0.85)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552
Copper	**12.2** (2.13)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552
Lead	ND (4.27)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552
Mercury	ND (0.026)		7471B		1	MKS	06/26/20 12:20	0.79	40	DF02553
Nickel	**6.06** (2.13)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552
Selenium	ND (4.27)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552
Silver	ND (0.43)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552
Thallium	ND (4.27)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552
Zinc	**26.9** (2.13)		6010C		1	KJK	06/25/20 20:47	2.42	100	DF02552

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP062520-1
Date Sampled: 06/25/20 11:30
Percent Solids: 97
Initial Volume: 13.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20F0959
ESS Laboratory Sample ID: 20F0959-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,1,1-Trichloroethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,1,2,2-Tetrachloroethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,1,2-Trichloroethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,1-Dichloroethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,1-Dichloroethene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,1-Dichloropropene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,2,3-Trichlorobenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,2,3-Trichloropropane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,2,4-Trichlorobenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,2,4-Trimethylbenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,2-Dibromo-3-Chloropropane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,2-Dibromoethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,2-Dichlorobenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,2-Dichloroethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,2-Dichloropropane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,3,5-Trimethylbenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,3-Dichlorobenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,3-Dichloropropane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,4-Dichlorobenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1,4-Dioxane	ND (0.0394)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
1-Chlorohexane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
2,2-Dichloropropane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
2-Butanone	ND (0.0197)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
2-Chlorotoluene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
2-Hexanone	ND (0.0197)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
4-Chlorotoluene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
4-Isopropyltoluene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
4-Methyl-2-Pentanone	ND (0.0197)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Acetone	ND (0.0197)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Benzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Bromobenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP062520-1
Date Sampled: 06/25/20 11:30
Percent Solids: 97
Initial Volume: 13.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20F0959
ESS Laboratory Sample ID: 20F0959-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Bromodichloromethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Bromoform	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Bromomethane	ND (0.0039)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Carbon Disulfide	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Carbon Tetrachloride	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Chlorobenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Chloroethane	ND (0.0039)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Chloroform	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Chloromethane	ND (0.0039)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
cis-1,2-Dichloroethene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
cis-1,3-Dichloropropene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Dibromochloromethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Dibromomethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Dichlorodifluoromethane	ND (0.0039)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Diethyl Ether	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Di-isopropyl ether	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Ethyl tertiary-butyl ether	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Ethylbenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Hexachlorobutadiene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Isopropylbenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Methyl tert-Butyl Ether	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Methylene Chloride	ND (0.0099)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Naphthalene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
n-Butylbenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
n-Propylbenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
sec-Butylbenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Styrene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
tert-Butylbenzene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Tertiary-amyl methyl ether	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Tetrachloroethene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Tetrahydrofuran	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP062520-1
Date Sampled: 06/25/20 11:30
Percent Solids: 97
Initial Volume: 13.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20F0959
ESS Laboratory Sample ID: 20F0959-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
trans-1,2-Dichloroethene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
trans-1,3-Dichloropropene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Trichloroethene	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Trichlorofluoromethane	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Vinyl Acetate	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Vinyl Chloride	ND (0.0039)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Xylene O	ND (0.0020)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Xylene P,M	ND (0.0039)		8260B Low		1	06/26/20 15:18	D0F0535	DF02651
Xylenes (Total)	ND (0.00394)		8260B Low		1	06/26/20 15:18		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*119 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*97 %*		*70-130*
Surrogate: Dibromofluoromethane	*110 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP062520-1
Date Sampled: 06/25/20 11:30
Percent Solids: 97
Initial Volume: 19.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 20F0959
ESS Laboratory Sample ID: 20F0959-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: NXL
Prepared: 6/25/20 13:35

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (40.6)		8100M		1	06/26/20 15:05	D0F0544	DF02449

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*96 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP062520-1
Date Sampled: 06/25/20 11:30
Percent Solids: 97
Initial Volume: 14
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20F0959
ESS Laboratory Sample ID: 20F0959-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/25/20 13:35

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
1,2,4-Trichlorobenzene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
1,2-Dichlorobenzene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
1,3-Dichlorobenzene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
1,4-Dichlorobenzene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2,3,4,6-Tetrachlorophenol	ND (1.85)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2,4,5-Trichlorophenol	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2,4,6-Trichlorophenol	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2,4-Dichlorophenol	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2,4-Dimethylphenol	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2,4-Dinitrophenol	ND (1.85)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2,4-Dinitrotoluene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2,6-Dinitrotoluene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2-Chloronaphthalene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2-Chlorophenol	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2-Methylnaphthalene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2-Methylphenol	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2-Nitroaniline	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
2-Nitrophenol	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
3,3′-Dichlorobenzidine	ND (0.738)		8270D		1	06/25/20 18:36	D0F0504	DF02446
3+4-Methylphenol	ND (0.738)		8270D		1	06/25/20 18:36	D0F0504	DF02446
3-Nitroaniline	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
4,6-Dinitro-2-Methylphenol	ND (1.85)		8270D		1	06/25/20 18:36	D0F0504	DF02446
4-Bromophenyl-phenylether	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
4-Chloro-3-Methylphenol	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
4-Chloroaniline	ND (0.738)		8270D		1	06/25/20 18:36	D0F0504	DF02446
4-Chloro-phenyl-phenyl ether	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
4-Nitroaniline	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
4-Nitrophenol	ND (1.85)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Acenaphthene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Acenaphthylene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Acetophenone	ND (0.738)		8270D		1	06/25/20 18:36	D0F0504	DF02446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP062520-1
Date Sampled: 06/25/20 11:30
Percent Solids: 97
Initial Volume: 14
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20F0959
ESS Laboratory Sample ID: 20F0959-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/25/20 13:35

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.738)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Anthracene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Azobenzene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Benzo(a)anthracene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Benzo(a)pyrene	ND (0.185)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Benzo(b)fluoranthene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Benzo(g,h,i)perylene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Benzo(k)fluoranthene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Benzoic Acid	ND (1.85)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Benzyl Alcohol	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
bis(2-Chloroethoxy)methane	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
bis(2-Chloroethyl)ether	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
bis(2-chloroisopropyl)Ether	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
bis(2-Ethylhexyl)phthalate	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Butylbenzylphthalate	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Carbazole	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Chrysene	ND (0.185)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Dibenzo(a,h)Anthracene	ND (0.185)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Dibenzofuran	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Diethylphthalate	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Dimethylphthalate	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Di-n-butylphthalate	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Di-n-octylphthalate	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Fluoranthene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Fluorene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Hexachlorobenzene	ND (0.185)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Hexachlorobutadiene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Hexachlorocyclopentadiene	ND (1.85)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Hexachloroethane	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Indeno(1,2,3-cd)Pyrene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Isophorone	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Naphthalene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP062520-1
Date Sampled: 06/25/20 11:30
Percent Solids: 97
Initial Volume: 14
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20F0959
ESS Laboratory Sample ID: 20F0959-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/25/20 13:35

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
N-Nitrosodimethylamine	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
N-Nitroso-Di-n-Propylamine	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
N-nitrosodiphenylamine	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Pentachlorophenol	ND (1.85)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Phenanthrene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Phenol	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Pyrene	ND (0.369)		8270D		1	06/25/20 18:36	D0F0504	DF02446
Pyridine	ND (1.85)		8270D		1	06/25/20 18:36	D0F0504	DF02446

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*52 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*48 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*57 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*54 %*		*30-130*
Surrogate: 2-Fluorophenol	*57 %*		*30-130*
Surrogate: Nitrobenzene-d5	*54 %*		*30-130*
Surrogate: Phenol-d6	*54 %*		*30-130*
Surrogate: p-Terphenyl-d14	*69 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP062520-2
Date Sampled: 06/25/20 11:30
Percent Solids: 97

ESS Laboratory Work Order: 20F0959
ESS Laboratory Sample ID: 20F0959-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.32)		6010C		1	KJK	06/25/20 20:51	2.23	100	DF02552

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP062520-3
Date Sampled: 06/25/20 11:30
Percent Solids: 97

ESS Laboratory Work Order: 20F0959
ESS Laboratory Sample ID: 20F0959-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.91)		6010C		1	KJK	06/25/20 20:56	2.7	100	DF02552

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DF02552 - 3050B										
Blank										
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	5.00	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
Blank										
Beryllium	ND	0.50	mg/kg wet							
LCS										
Antimony	35.5	15.6	mg/kg wet	42.00		84	40-160			
Arsenic	37.1	7.81	mg/kg wet	43.10		86	80-120			
Arsenic	37.1	7.81	mg/kg wet	43.10		86	80-120			
Cadmium	116	1.56	mg/kg wet	118.0		99	80-120			
Chromium	309	3.12	mg/kg wet	299.0		103	80-120			
Copper	328	7.81	mg/kg wet	330.0		99	80-120			
Lead	145	15.6	mg/kg wet	144.0		100	80-120			
Nickel	181	7.81	mg/kg wet	171.0		106	80-120			
Selenium	148	15.6	mg/kg wet	154.0		96	80-120			
Silver	75.4	1.56	mg/kg wet	73.50		103	80-120			
Zinc	840	7.81	mg/kg wet	874.0		96	80-120			
LCS										
Thallium	75.3	14.7	mg/kg wet	90.40		83	80-120			
LCS										
Beryllium	112	7.81	mg/kg wet	117.0		96	80-120			
LCS Dup										
Antimony	32.6	13.7	mg/kg wet	42.00		78	40-160	8	20	
Arsenic	38.7	6.85	mg/kg wet	43.10		90	80-120	4	20	
Arsenic	38.7	6.85	mg/kg wet	43.10		90	80-120	4	20	
Cadmium	113	1.37	mg/kg wet	118.0		96	80-120	3	20	
Chromium	300	2.74	mg/kg wet	299.0		100	80-120	3	20	
Copper	323	6.85	mg/kg wet	330.0		98	80-120	2	20	
Lead	138	13.7	mg/kg wet	144.0		96	80-120	4	20	
Nickel	176	6.85	mg/kg wet	171.0		103	80-120	3	20	
Selenium	144	13.7	mg/kg wet	154.0		93	80-120	3	20	
Silver	73.3	1.37	mg/kg wet	73.50		100	80-120	3	20	
Zinc	807	6.85	mg/kg wet	874.0		92	80-120	4	20	
LCS Dup										

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DF02552 - 3050B										
Thallium	77.7	13.3	mg/kg wet	90.40		86	80-120	3	20	
LCS Dup										
Beryllium	106	6.85	mg/kg wet	117.0		91	80-120	5	30	
Batch DF02553 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	24.2	3.09	mg/kg wet	26.60		91	80-120			
LCS Dup										
Mercury	23.5	3.25	mg/kg wet	26.60		88	80-120	3	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch DF02651 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DF02651 - 5035										
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0536*		mg/kg wet	*0.05000*		*107*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0475*		mg/kg wet	*0.05000*		*95*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DF02651 - 5035										
Surrogate: Dibromofluoromethane	*0.0517*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.0492*		mg/kg wet	*0.05000*		*98*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0538	0.0050	mg/kg wet	0.05000		108	70-130			
1,1,1-Trichloroethane	0.0590	0.0050	mg/kg wet	0.05000		118	70-130			
1,1,2,2-Tetrachloroethane	0.0448	0.0050	mg/kg wet	0.05000		90	70-130			
1,1,2-Trichloroethane	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
1,1-Dichloroethane	0.0565	0.0050	mg/kg wet	0.05000		113	70-130			
1,1-Dichloroethene	0.0625	0.0050	mg/kg wet	0.05000		125	70-130			
1,1-Dichloropropene	0.0616	0.0050	mg/kg wet	0.05000		123	70-130			
1,2,3-Trichlorobenzene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
1,2,3-Trichloropropane	0.0414	0.0050	mg/kg wet	0.05000		83	70-130			
1,2,4-Trichlorobenzene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
1,2,4-Trimethylbenzene	0.0585	0.0050	mg/kg wet	0.05000		117	70-130			
1,2-Dibromo-3-Chloropropane	0.0376	0.0050	mg/kg wet	0.05000		75	70-130			
1,2-Dibromoethane	0.0464	0.0050	mg/kg wet	0.05000		93	70-130			
1,2-Dichlorobenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
1,2-Dichloroethane	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
1,2-Dichloropropane	0.0560	0.0050	mg/kg wet	0.05000		112	70-130			
1,3,5-Trimethylbenzene	0.0571	0.0050	mg/kg wet	0.05000		114	70-130			
1,3-Dichlorobenzene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
1,3-Dichloropropane	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
1,4-Dichlorobenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130			
1,4-Dioxane	0.695	0.100	mg/kg wet	1.000		69	70-130			B-
1-Chlorohexane	0.0565	0.0050	mg/kg wet	0.05000		113	70-130			
2,2-Dichloropropane	0.0599	0.0050	mg/kg wet	0.05000		120	70-130			
2-Butanone	0.220	0.0500	mg/kg wet	0.2500		88	70-130			
2-Chlorotoluene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130			
2-Hexanone	0.196	0.0500	mg/kg wet	0.2500		78	70-130			
4-Chlorotoluene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
4-Isopropyltoluene	0.0558	0.0050	mg/kg wet	0.05000		112	70-130			
4-Methyl-2-Pentanone	0.217	0.0500	mg/kg wet	0.2500		87	70-130			
Acetone	0.164	0.0500	mg/kg wet	0.2500		66	70-130			B-
Benzene	0.0574	0.0050	mg/kg wet	0.05000		115	70-130			
Bromobenzene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
Bromochloromethane	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			
Bromodichloromethane	0.0539	0.0050	mg/kg wet	0.05000		108	70-130			
Bromoform	0.0360	0.0050	mg/kg wet	0.05000		72	70-130			
Bromomethane	0.0511	0.0100	mg/kg wet	0.05000		102	70-130			
Carbon Disulfide	0.0607	0.0050	mg/kg wet	0.05000		121	70-130			
Carbon Tetrachloride	0.0603	0.0050	mg/kg wet	0.05000		121	70-130			
Chlorobenzene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130			
Chloroethane	0.0548	0.0100	mg/kg wet	0.05000		110	70-130			
Chloroform	0.0562	0.0050	mg/kg wet	0.05000		112	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DF02651 - 5035										
Chloromethane	0.0535	0.0100	mg/kg wet	0.05000		107	70-130			
cis-1,2-Dichloroethene	0.0578	0.0050	mg/kg wet	0.05000		116	70-130			
cis-1,3-Dichloropropene	0.0587	0.0050	mg/kg wet	0.05000		117	70-130			
Dibromochloromethane	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
Dibromomethane	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
Dichlorodifluoromethane	0.0497	0.0100	mg/kg wet	0.05000		99	70-130			
Diethyl Ether	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
Di-isopropyl ether	0.0557	0.0050	mg/kg wet	0.05000		111	70-130			
Ethyl tertiary-butyl ether	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
Ethylbenzene	0.0566	0.0050	mg/kg wet	0.05000		113	70-130			
Hexachlorobutadiene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130			
Isopropylbenzene	0.0583	0.0050	mg/kg wet	0.05000		117	70-130			
Methyl tert-Butyl Ether	0.0539	0.0050	mg/kg wet	0.05000		108	70-130			
Methylene Chloride	0.0592	0.0250	mg/kg wet	0.05000		118	70-130			
Naphthalene	0.0437	0.0050	mg/kg wet	0.05000		87	70-130			
n-Butylbenzene	0.0601	0.0050	mg/kg wet	0.05000		120	70-130			
n-Propylbenzene	0.0589	0.0050	mg/kg wet	0.05000		118	70-130			
sec-Butylbenzene	0.0566	0.0050	mg/kg wet	0.05000		113	70-130			
Styrene	0.0536	0.0050	mg/kg wet	0.05000		107	70-130			
tert-Butylbenzene	0.0575	0.0050	mg/kg wet	0.05000		115	70-130			
Tertiary-amyl methyl ether	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
Tetrachloroethene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
Tetrahydrofuran	0.0407	0.0050	mg/kg wet	0.05000		81	70-130			
Toluene	0.0575	0.0050	mg/kg wet	0.05000		115	70-130			
trans-1,2-Dichloroethene	0.0590	0.0050	mg/kg wet	0.05000		118	70-130			
trans-1,3-Dichloropropene	0.0462	0.0050	mg/kg wet	0.05000		92	70-130			
Trichloroethene	0.0565	0.0050	mg/kg wet	0.05000		113	70-130			
Trichlorofluoromethane	0.0598	0.0050	mg/kg wet	0.05000		120	70-130			
Vinyl Acetate	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
Vinyl Chloride	0.0543	0.0100	mg/kg wet	0.05000		109	70-130			
Xylene O	0.0545	0.0050	mg/kg wet	0.05000		109	70-130			
Xylene P,M	0.112	0.0100	mg/kg wet	0.1000		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0458*		mg/kg wet	*0.05000*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0497*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0511*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.0496*		mg/kg wet	*0.05000*		*99*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0557	0.0050	mg/kg wet	0.05000		111	70-130	3	25	
1,1,1-Trichloroethane	0.0567	0.0050	mg/kg wet	0.05000		113	70-130	4	25	
1,1,2,2-Tetrachloroethane	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	12	25	
1,1,2-Trichloroethane	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	9	25	
1,1-Dichloroethane	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	0.4	25	
1,1-Dichloroethene	0.0608	0.0050	mg/kg wet	0.05000		122	70-130	3	25	
1,1-Dichloropropene	0.0600	0.0050	mg/kg wet	0.05000		120	70-130	3	25	
1,2,3-Trichlorobenzene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	8	25	

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Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DF02651 - 5035										
1,2,3-Trichloropropane	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	16	25	
1,2,4-Trichlorobenzene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	4	25	
1,2,4-Trimethylbenzene	0.0573	0.0050	mg/kg wet	0.05000		115	70-130	2	25	
1,2-Dibromo-3-Chloropropane	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	25	25	
1,2-Dibromoethane	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	15	25	
1,2-Dichlorobenzene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	2	25	
1,2-Dichloroethane	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	8	25	
1,2-Dichloropropane	0.0571	0.0050	mg/kg wet	0.05000		114	70-130	2	25	
1,3,5-Trimethylbenzene	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	2	25	
1,3-Dichlorobenzene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	0.1	25	
1,3-Dichloropropane	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	10	25	
1,4-Dichlorobenzene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	0.2	25	
1,4-Dioxane	1.01	0.100	mg/kg wet	1.000		101	70-130	37	20	D+
1-Chlorohexane	0.0550	0.0050	mg/kg wet	0.05000		110	70-130	3	25	
2,2-Dichloropropane	0.0576	0.0050	mg/kg wet	0.05000		115	70-130	4	25	
2-Butanone	0.258	0.0500	mg/kg wet	0.2500		103	70-130	16	25	
2-Chlorotoluene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	3	25	
2-Hexanone	0.247	0.0500	mg/kg wet	0.2500		99	70-130	23	25	
4-Chlorotoluene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	0.4	25	
4-Isopropyltoluene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	3	25	
4-Methyl-2-Pentanone	0.264	0.0500	mg/kg wet	0.2500		106	70-130	20	25	
Acetone	0.232	0.0500	mg/kg wet	0.2500		93	70-130	34	25	D+
Benzene	0.0569	0.0050	mg/kg wet	0.05000		114	70-130	0.9	25	
Bromobenzene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	0.8	25	
Bromochloromethane	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	5	25	
Bromodichloromethane	0.0560	0.0050	mg/kg wet	0.05000		112	70-130	4	25	
Bromoform	0.0322	0.0050	mg/kg wet	0.05000		64	70-130	11	25	B-
Bromomethane	0.0540	0.0100	mg/kg wet	0.05000		108	70-130	6	25	
Carbon Disulfide	0.0586	0.0050	mg/kg wet	0.05000		117	70-130	4	25	
Carbon Tetrachloride	0.0583	0.0050	mg/kg wet	0.05000		117	70-130	3	25	
Chlorobenzene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	2	25	
Chloroethane	0.0541	0.0100	mg/kg wet	0.05000		108	70-130	1	25	
Chloroform	0.0563	0.0050	mg/kg wet	0.05000		113	70-130	0.3	25	
Chloromethane	0.0531	0.0100	mg/kg wet	0.05000		106	70-130	0.6	25	
cis-1,2-Dichloroethene	0.0582	0.0050	mg/kg wet	0.05000		116	70-130	0.7	25	
cis-1,3-Dichloropropene	0.0621	0.0050	mg/kg wet	0.05000		124	70-130	6	25	
Dibromochloromethane	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	9	25	
Dibromomethane	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	10	25	
Dichlorodifluoromethane	0.0473	0.0100	mg/kg wet	0.05000		95	70-130	5	25	
Diethyl Ether	0.0573	0.0050	mg/kg wet	0.05000		115	70-130	10	25	
Di-isopropyl ether	0.0577	0.0050	mg/kg wet	0.05000		115	70-130	3	25	
Ethyl tertiary-butyl ether	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	7	25	
Ethylbenzene	0.0560	0.0050	mg/kg wet	0.05000		112	70-130	1	25	
Hexachlorobutadiene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	2	25	
Isopropylbenzene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130	4	25	

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DF02651 - 5035										
Methyl tert-Butyl Ether	0.0597	0.0050	mg/kg wet	0.05000		119	70-130	10	25	
Methylene Chloride	0.0609	0.0250	mg/kg wet	0.05000		122	70-130	3	25	
Naphthalene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	15	25	
n-Butylbenzene	0.0579	0.0050	mg/kg wet	0.05000		116	70-130	4	25	
n-Propylbenzene	0.0565	0.0050	mg/kg wet	0.05000		113	70-130	4	25	
sec-Butylbenzene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	4	25	
Styrene	0.0558	0.0050	mg/kg wet	0.05000		112	70-130	4	25	
tert-Butylbenzene	0.0557	0.0050	mg/kg wet	0.05000		111	70-130	3	25	
Tertiary-amyl methyl ether	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	8	25	
Tetrachloroethene	0.0469	0.0050	mg/kg wet	0.05000		94	70-130	1	25	
Tetrahydrofuran	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	25	25	
Toluene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	2	25	
trans-1,2-Dichloroethene	0.0586	0.0050	mg/kg wet	0.05000		117	70-130	0.6	25	
trans-1,3-Dichloropropene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	9	25	
Trichloroethene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130	0.7	25	
Trichlorofluoromethane	0.0576	0.0050	mg/kg wet	0.05000		115	70-130	4	25	
Vinyl Acetate	0.0614	0.0050	mg/kg wet	0.05000		123	70-130	18	25	
Vinyl Chloride	0.0518	0.0100	mg/kg wet	0.05000		104	70-130	5	25	
Xylene O	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	0.5	25	
Xylene P,M	0.112	0.0100	mg/kg wet	0.1000		112	70-130	0.04	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0480*		mg/kg wet	*0.05000*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0504*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0507*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0495*		mg/kg wet	*0.05000*		*99*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch DF02449 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*5.60*		mg/kg wet	*5.000*		*112*	*40-140*			
LCS										

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DF02449 - 3546										
Decane (C10)	2.3	0.2	mg/kg wet	2.500		90	40-140			
Docosane (C22)	2.6	0.2	mg/kg wet	2.500		103	40-140			
Dodecane (C12)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Eicosane (C20)	2.5	0.2	mg/kg wet	2.500		102	40-140			
Hexacosane (C26)	2.6	0.2	mg/kg wet	2.500		106	40-140			
Hexadecane (C16)	2.4	0.2	mg/kg wet	2.500		98	40-140			
Nonadecane (C19)	2.6	0.2	mg/kg wet	2.500		103	40-140			
Nonane (C9)	2.0	0.2	mg/kg wet	2.500		78	30-140			
Octacosane (C28)	2.7	0.2	mg/kg wet	2.500		108	40-140			
Octadecane (C18)	2.5	0.2	mg/kg wet	2.500		99	40-140			
Tetracosane (C24)	2.6	0.2	mg/kg wet	2.500		104	40-140			
Tetradecane (C14)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Total Petroleum Hydrocarbons	36.6	37.5	mg/kg wet	35.00		105	40-140			
Triacontane (C30)	2.7	0.2	mg/kg wet	2.500		107	40-140			
Surrogate: O-Terphenyl	*5.25*		mg/kg wet	*5.000*		*105*	*40-140*			
LCS Dup										
Decane (C10)	2.0	0.2	mg/kg wet	2.500		81	40-140	11	25	
Docosane (C22)	2.5	0.2	mg/kg wet	2.500		99	40-140	4	25	
Dodecane (C12)	2.2	0.2	mg/kg wet	2.500		86	40-140	6	25	
Eicosane (C20)	2.4	0.2	mg/kg wet	2.500		97	40-140	4	25	
Hexacosane (C26)	2.5	0.2	mg/kg wet	2.500		100	40-140	5	25	
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		93	40-140	5	25	
Nonadecane (C19)	2.5	0.2	mg/kg wet	2.500		101	40-140	2	25	
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		72	30-140	9	25	
Octacosane (C28)	2.6	0.2	mg/kg wet	2.500		102	40-140	5	25	
Octadecane (C18)	2.4	0.2	mg/kg wet	2.500		96	40-140	4	25	
Tetracosane (C24)	2.5	0.2	mg/kg wet	2.500		100	40-140	5	25	
Tetradecane (C14)	2.3	0.2	mg/kg wet	2.500		91	40-140	5	25	
Total Petroleum Hydrocarbons	34.4	37.5	mg/kg wet	35.00		98	40-140	6	25	
Triacontane (C30)	2.5	0.2	mg/kg wet	2.500		101	40-140	5	25	
Surrogate: O-Terphenyl	*4.92*		mg/kg wet	*5.000*		*98*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DF02446 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DF02446 - 3546										
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DF02446 - 3546										
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.14*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.46*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.49*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.29*		mg/kg wet	*3.333*		*69*	*30-130*			
Surrogate: 2-Fluorophenol	*3.62*		mg/kg wet	*5.000*		*72*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.29*		mg/kg wet	*3.333*		*69*	*30-130*			
Surrogate: Phenol-d6	*3.34*		mg/kg wet	*5.000*		*67*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.16*		mg/kg wet	*3.333*		*95*	*30-130*			
LCS										
1,1-Biphenyl	2.21	0.333	mg/kg wet	3.333		66	40-140			
1,2,4-Trichlorobenzene	2.38	0.333	mg/kg wet	3.333		72	40-140			
1,2-Dichlorobenzene	2.30	0.333	mg/kg wet	3.333		69	40-140			
1,3-Dichlorobenzene	2.32	0.333	mg/kg wet	3.333		70	40-140			
1,4-Dichlorobenzene	2.31	0.333	mg/kg wet	3.333		69	40-140			
2,3,4,6-Tetrachlorophenol	2.44	1.67	mg/kg wet	3.333		73	30-130			
2,4,5-Trichlorophenol	2.64	0.333	mg/kg wet	3.333		79	30-130			
2,4,6-Trichlorophenol	2.53	0.333	mg/kg wet	3.333		76	30-130			
2,4-Dichlorophenol	2.57	0.333	mg/kg wet	3.333		77	30-130			
2,4-Dimethylphenol	2.58	0.333	mg/kg wet	3.333		78	30-130			
2,4-Dinitrophenol	3.32	1.67	mg/kg wet	3.333		100	30-130			
2,4-Dinitrotoluene	2.74	0.333	mg/kg wet	3.333		82	40-140			
2,6-Dinitrotoluene	2.61	0.333	mg/kg wet	3.333		78	40-140			
2-Chloronaphthalene	2.30	0.333	mg/kg wet	3.333		69	40-140			
2-Chlorophenol	2.46	0.333	mg/kg wet	3.333		74	30-130			
2-Methylnaphthalene	2.28	0.333	mg/kg wet	3.333		68	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DF02446 - 3546										
2-Methylphenol	2.35	0.333	mg/kg wet	3.333		70	30-130			
2-Nitroaniline	2.44	0.333	mg/kg wet	3.333		73	40-140			
2-Nitrophenol	2.34	0.333	mg/kg wet	3.333		70	30-130			
3,3´-Dichlorobenzidine	2.39	0.667	mg/kg wet	3.333		72	40-140			
3+4-Methylphenol	4.95	0.667	mg/kg wet	6.667		74	30-130			
3-Nitroaniline	2.61	0.333	mg/kg wet	3.333		78	40-140			
4,6-Dinitro-2-Methylphenol	3.28	1.67	mg/kg wet	3.333		98	30-130			
4-Bromophenyl-phenylether	2.74	0.333	mg/kg wet	3.333		82	40-140			
4-Chloro-3-Methylphenol	2.57	0.333	mg/kg wet	3.333		77	30-130			
4-Chloroaniline	2.01	0.667	mg/kg wet	3.333		60	40-140			
4-Chloro-phenyl-phenyl ether	2.54	0.333	mg/kg wet	3.333		76	40-140			
4-Nitroaniline	2.74	0.333	mg/kg wet	3.333		82	40-140			
4-Nitrophenol	2.84	1.67	mg/kg wet	3.333		85	30-130			
Acenaphthene	2.33	0.333	mg/kg wet	3.333		70	40-140			
Acenaphthylene	2.46	0.333	mg/kg wet	3.333		74	40-140			
Acetophenone	2.27	0.667	mg/kg wet	3.333		68	40-140			
Aniline	1.82	0.667	mg/kg wet	3.333		55	40-140			
Anthracene	2.57	0.333	mg/kg wet	3.333		77	40-140			
Azobenzene	2.45	0.333	mg/kg wet	3.333		74	40-140			
Benzo(a)anthracene	2.70	0.333	mg/kg wet	3.333		81	40-140			
Benzo(a)pyrene	2.75	0.167	mg/kg wet	3.333		83	40-140			
Benzo(b)fluoranthene	2.52	0.333	mg/kg wet	3.333		76	40-140			
Benzo(g,h,i)perylene	2.66	0.333	mg/kg wet	3.333		80	40-140			
Benzo(k)fluoranthene	2.81	0.333	mg/kg wet	3.333		84	40-140			
Benzoic Acid	2.89	1.67	mg/kg wet	3.333		87	40-140			
Benzyl Alcohol	2.05	0.333	mg/kg wet	3.333		62	40-140			
bis(2-Chloroethoxy)methane	2.41	0.333	mg/kg wet	3.333		72	40-140			
bis(2-Chloroethyl)ether	2.40	0.333	mg/kg wet	3.333		72	40-140			
bis(2-chloroisopropyl)Ether	2.19	0.333	mg/kg wet	3.333		66	40-140			
bis(2-Ethylhexyl)phthalate	2.82	0.333	mg/kg wet	3.333		85	40-140			
Butylbenzylphthalate	2.89	0.333	mg/kg wet	3.333		87	40-140			
Carbazole	2.66	0.333	mg/kg wet	3.333		80	40-140			
Chrysene	2.74	0.167	mg/kg wet	3.333		82	40-140			
Dibenzo(a,h)Anthracene	2.71	0.167	mg/kg wet	3.333		81	40-140			
Dibenzofuran	2.39	0.333	mg/kg wet	3.333		72	40-140			
Diethylphthalate	2.62	0.333	mg/kg wet	3.333		79	40-140			
Dimethylphthalate	2.54	0.333	mg/kg wet	3.333		76	40-140			
Di-n-butylphthalate	2.79	0.333	mg/kg wet	3.333		84	40-140			
Di-n-octylphthalate	2.74	0.333	mg/kg wet	3.333		82	40-140			
Fluoranthene	2.68	0.333	mg/kg wet	3.333		81	40-140			
Fluorene	2.51	0.333	mg/kg wet	3.333		75	40-140			
Hexachlorobenzene	2.66	0.167	mg/kg wet	3.333		80	40-140			
Hexachlorobutadiene	2.41	0.333	mg/kg wet	3.333		72	40-140			
Hexachlorocyclopentadiene	2.47	1.67	mg/kg wet	3.333		74	40-140			
Hexachloroethane	2.24	0.333	mg/kg wet	3.333		67	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DF02446 - 3546										
Indeno(1,2,3-cd)Pyrene	2.68	0.333	mg/kg wet	3.333		80	40-140			
Isophorone	2.17	0.333	mg/kg wet	3.333		65	40-140			
Naphthalene	2.36	0.333	mg/kg wet	3.333		71	40-140			
Nitrobenzene	2.46	0.333	mg/kg wet	3.333		74	40-140			
N-Nitrosodimethylamine	2.22	0.333	mg/kg wet	3.333		67	40-140			
N-Nitroso-Di-n-Propylamine	2.27	0.333	mg/kg wet	3.333		68	40-140			
N-nitrosodiphenylamine	2.60	0.333	mg/kg wet	3.333		78	40-140			
Pentachlorophenol	3.33	1.67	mg/kg wet	3.333		100	30-130			
Phenanthrene	2.60	0.333	mg/kg wet	3.333		78	40-140			
Phenol	2.49	0.333	mg/kg wet	3.333		75	30-130			
Pyrene	2.73	0.333	mg/kg wet	3.333		82	40-140			
Pyridine	2.35	1.67	mg/kg wet	3.333		70	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.26*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.07*		mg/kg wet	*5.000*		*81*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.77*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.46*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*3.82*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.50*		mg/kg wet	*3.333*		*75*	*30-130*			
Surrogate: Phenol-d6	*3.65*		mg/kg wet	*5.000*		*73*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.04*		mg/kg wet	*3.333*		*91*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.22	0.333	mg/kg wet	3.333		67	40-140	0.3	30	
1,2,4-Trichlorobenzene	2.39	0.333	mg/kg wet	3.333		72	40-140	0.2	30	
1,2-Dichlorobenzene	2.30	0.333	mg/kg wet	3.333		69	40-140	0.07	30	
1,3-Dichlorobenzene	2.30	0.333	mg/kg wet	3.333		69	40-140	1	30	
1,4-Dichlorobenzene	2.30	0.333	mg/kg wet	3.333		69	40-140	0.3	30	
2,3,4,6-Tetrachlorophenol	2.54	1.67	mg/kg wet	3.333		76	30-130	4	30	
2,4,5-Trichlorophenol	2.68	0.333	mg/kg wet	3.333		80	30-130	2	30	
2,4,6-Trichlorophenol	2.59	0.333	mg/kg wet	3.333		78	30-130	2	30	
2,4-Dichlorophenol	2.63	0.333	mg/kg wet	3.333		79	30-130	2	30	
2,4-Dimethylphenol	2.64	0.333	mg/kg wet	3.333		79	30-130	2	30	
2,4-Dinitrophenol	3.48	1.67	mg/kg wet	3.333		104	30-130	5	30	
2,4-Dinitrotoluene	2.83	0.333	mg/kg wet	3.333		85	40-140	3	30	
2,6-Dinitrotoluene	2.68	0.333	mg/kg wet	3.333		80	40-140	3	30	
2-Chloronaphthalene	2.32	0.333	mg/kg wet	3.333		70	40-140	1	30	
2-Chlorophenol	2.49	0.333	mg/kg wet	3.333		75	30-130	1	30	
2-Methylnaphthalene	2.32	0.333	mg/kg wet	3.333		70	40-140	2	30	
2-Methylphenol	2.37	0.333	mg/kg wet	3.333		71	30-130	1	30	
2-Nitroaniline	2.52	0.333	mg/kg wet	3.333		76	40-140	3	30	
2-Nitrophenol	2.41	0.333	mg/kg wet	3.333		72	30-130	3	30	
3,3´-Dichlorobenzidine	2.49	0.667	mg/kg wet	3.333		75	40-140	4	30	
3+4-Methylphenol	5.11	0.667	mg/kg wet	6.667		77	30-130	3	30	
3-Nitroaniline	2.68	0.333	mg/kg wet	3.333		80	40-140	3	30	
4,6-Dinitro-2-Methylphenol	3.43	1.67	mg/kg wet	3.333		103	30-130	5	30	
4-Bromophenyl-phenylether	2.79	0.333	mg/kg wet	3.333		84	40-140	2	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DF02446 - 3546										
4-Chloro-3-Methylphenol	2.64	0.333	mg/kg wet	3.333		79	30-130	3	30	
4-Chloroaniline	2.04	0.667	mg/kg wet	3.333		61	40-140	2	30	
4-Chloro-phenyl-phenyl ether	2.62	0.333	mg/kg wet	3.333		79	40-140	3	30	
4-Nitroaniline	2.85	0.333	mg/kg wet	3.333		85	40-140	4	30	
4-Nitrophenol	2.94	1.67	mg/kg wet	3.333		88	30-130	3	30	
Acenaphthene	2.36	0.333	mg/kg wet	3.333		71	40-140	1	30	
Acenaphthylene	2.48	0.333	mg/kg wet	3.333		74	40-140	1	30	
Acetophenone	2.30	0.667	mg/kg wet	3.333		69	40-140	2	30	
Aniline	1.85	0.667	mg/kg wet	3.333		55	40-140	1	30	
Anthracene	2.66	0.333	mg/kg wet	3.333		80	40-140	3	30	
Azobenzene	2.46	0.333	mg/kg wet	3.333		74	40-140	0.3	30	
Benzo(a)anthracene	2.81	0.333	mg/kg wet	3.333		84	40-140	4	30	
Benzo(a)pyrene	2.86	0.167	mg/kg wet	3.333		86	40-140	4	30	
Benzo(b)fluoranthene	2.83	0.333	mg/kg wet	3.333		85	40-140	11	30	
Benzo(g,h,i)perylene	2.71	0.333	mg/kg wet	3.333		81	40-140	2	30	
Benzo(k)fluoranthene	2.65	0.333	mg/kg wet	3.333		80	40-140	6	30	
Benzoic Acid	2.98	1.67	mg/kg wet	3.333		89	40-140	3	30	
Benzyl Alcohol	2.11	0.333	mg/kg wet	3.333		63	40-140	3	30	
bis(2-Chloroethoxy)methane	2.46	0.333	mg/kg wet	3.333		74	40-140	2	30	
bis(2-Chloroethyl)ether	2.42	0.333	mg/kg wet	3.333		73	40-140	1	30	
bis(2-chloroisopropyl)Ether	2.19	0.333	mg/kg wet	3.333		66	40-140	0.2	30	
bis(2-Ethylhexyl)phthalate	2.90	0.333	mg/kg wet	3.333		87	40-140	3	30	
Butylbenzylphthalate	3.02	0.333	mg/kg wet	3.333		91	40-140	4	30	
Carbazole	2.72	0.333	mg/kg wet	3.333		82	40-140	2	30	
Chrysene	2.83	0.167	mg/kg wet	3.333		85	40-140	3	30	
Dibenzo(a,h)Anthracene	2.79	0.167	mg/kg wet	3.333		84	40-140	3	30	
Dibenzofuran	2.41	0.333	mg/kg wet	3.333		72	40-140	1	30	
Diethylphthalate	2.68	0.333	mg/kg wet	3.333		80	40-140	2	30	
Dimethylphthalate	2.59	0.333	mg/kg wet	3.333		78	40-140	2	30	
Di-n-butylphthalate	2.82	0.333	mg/kg wet	3.333		85	40-140	1	30	
Di-n-octylphthalate	2.80	0.333	mg/kg wet	3.333		84	40-140	2	30	
Fluoranthene	2.70	0.333	mg/kg wet	3.333		81	40-140	0.5	30	
Fluorene	2.59	0.333	mg/kg wet	3.333		78	40-140	3	30	
Hexachlorobenzene	2.72	0.167	mg/kg wet	3.333		82	40-140	2	30	
Hexachlorobutadiene	2.41	0.333	mg/kg wet	3.333		72	40-140	0.01	30	
Hexachlorocyclopentadiene	2.45	1.67	mg/kg wet	3.333		74	40-140	0.7	30	
Hexachloroethane	2.24	0.333	mg/kg wet	3.333		67	40-140	0.2	30	
Indeno(1,2,3-cd)Pyrene	2.76	0.333	mg/kg wet	3.333		83	40-140	3	30	
Isophorone	2.20	0.333	mg/kg wet	3.333		66	40-140	1	30	
Naphthalene	2.37	0.333	mg/kg wet	3.333		71	40-140	0.4	30	
Nitrobenzene	2.45	0.333	mg/kg wet	3.333		74	40-140	0.3	30	
N-Nitrosodimethylamine	2.17	0.333	mg/kg wet	3.333		65	40-140	3	30	
N-Nitroso-Di-n-Propylamine	2.29	0.333	mg/kg wet	3.333		69	40-140	1	30	
N-nitrosodiphenylamine	2.66	0.333	mg/kg wet	3.333		80	40-140	2	30	
Pentachlorophenol	3.43	1.67	mg/kg wet	3.333		103	30-130	3	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DF02446 - 3546										
Phenanthrene	2.66	0.333	mg/kg wet	3.333		80	40-140	3	30	
Phenol	2.53	0.333	mg/kg wet	3.333		76	30-130	1	30	
Pyrene	2.88	0.333	mg/kg wet	3.333		86	40-140	5	30	
Pyridine	2.27	1.67	mg/kg wet	3.333		68	40-140	3	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.20*		mg/kg wet	*3.333*		*66*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.14*		mg/kg wet	*5.000*		*83*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.71*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.42*		mg/kg wet	*3.333*		*72*	*30-130*			
Surrogate: 2-Fluorophenol	*3.71*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.45*		mg/kg wet	*3.333*		*73*	*30-130*			
Surrogate: Phenol-d6	*3.60*		mg/kg wet	*5.000*		*72*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.11*		mg/kg wet	*3.333*		*93*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
D+	Relative percent difference for duplicate is outside of criteria (D+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20F0959

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: Client

ESS Project ID: 20F0959
Date Received: 6/25/2020
Project Due Date: 6/26/2020
Days for Project: 1 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 2.3 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** (Yes) No / NA
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? Yes (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? (Yes) No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) No / NA
13. Are the samples properly preserved? (Yes) No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 6/25/20 Time: 1312 By: [illegible]

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	59015	Yes	N/A	Yes	8 oz jar	NP	
1	59016	Yes	N/A	Yes	8 oz jar	NP	
1	59017	Yes	N/A	Yes	VOA Vial	MeOH	
1	59018	Yes	N/A	Yes	VOA Vial	DI Water	
1	59019	Yes	N/A	Yes	VOA Vial	DI Water	
2	59013	Yes	N/A	Yes	4 oz. Jar	NP	
3	59014	Yes	N/A	Yes	4 oz. Jar	NP	

2nd Review
Were all containers scanned into storage/lab? Initials [illegible]
Are barcode labels on correct containers? Yes / No
Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA
Are all Hex Chrome stickers attached? Yes / No / NA
Are all QC stickers attached? Yes / No / NA
Are VOA stickers attached if bubbles noted? Yes / No / NA

Completed By: [illegible] Date & Time: 6/25/20 1312
Reviewed

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 20F0959

Date Received: 6/25/2020

By: Date & Time: 6/25/20 1312

Delivered By: 6/25/20 1312

CHAIN OF CUSTODY

185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

ESS Lab # 20F0956 | Page 1 of 1

Turn Time: ☐>5 ☐5 ☐4 ☐3 ☐2 ☒1 ☐ Same Day
Regulatory State: RI Criteria:
Is this project for any of the following?:
☐ CT RCP ☐ MA MCP ☐ RGP ☐ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF)
☐ Limit Checker ☐ State Forms ☐ EQuIS
☐ Excel ☐ Hard Copy ☐ Enviro Data
☐ CLP-Like Package ☐ Other (Specify) →

CLIENT INFORMATION

Client: GZA
Address: 100 VALLEY ST
PROVIDENCE, R.I.
Phone: 401-374-2305
Email Distribution List:
mdalpe@GZA.COM
ELIZABETH-LUX@GZA-COM

PROJECT INFORMATION

Project Name: FPLP / NORID
Project Location: 642 Allens Ave
Project Number: PROV. / RI. 33564.04 TASK 6.
Project Manager: SARA HAUPT
Bill to:
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	VOC 8260	SVOC 8270	TPH 8100M	Total Metals (PP13)	TCLP Metals (As, Pb)	Arsenic	Total Number of Bottles
1	6/25/20	1130	COMP	SOIL	SP062520-1	X	X	X	X			
2	↓	↓	↓	↓	SP062520-2						X	
3	↓	↓	↓	↓	SP062520-3						X	

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*

Chain needs to be filled out neatly and completely for on time delivery.

Sampled by :

Laboratory Use Only
Cooler Temperature (°C): 2.3

Comments: * Please specify "Other" preservative and containers types in this space
1. 24-HR. TURN-AROUND TIME PLEASE.
2. PP 13 Metals

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration
☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
[signature]	6/25/20	1739	[signature]				
Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)

CERTIFICATE OF ANALYSIS

Sophia Narkiewicz
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: 642 Allens Ave (03.0033554)
ESS Laboratory Work Order Number: 1901548

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 4:54 pm, Jan 28, 2019

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

SAMPLE RECEIPT

The following samples were received on January 25, 2019 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	Sample Name	Matrix	Analysis
1901548-01	012519-COMP	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
1901548-02	012519-A	Soil	6010C
1901548-03	012519-B	Soil	6010C
1901548-04	012519-C	Soil	6010C

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

1901548-01 **Surrogate recovery(ies) above upper control limit (S+).**
1,2-Dichloroethane-d4 (133% @ 70-130%)

CA92502-BS1 **Blank Spike recovery is above upper control limit (B+).**
2,2-Dichloropropane (132% @ 70-130%), Carbon Tetrachloride (132% @ 70-130%)

8270D Semi-Volatile Organic Compounds

C9A0457-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (87% @ 80-120%), Benzoic Acid (87% @ 80-120%), Pentachlorophenol (116% @ 80-120%)

C9A0457-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Hexachlorocyclopentadiene (35% @ 20%)

C9A0457-CCV1 **Initial Calibration Verification recovery is below lower control limit (ICV-).**
Hexachlorocyclopentadiene

CA92512-BS1 **Blank Spike recovery is below lower control limit (B-).**
4-Chloroaniline (38% @ 40-140%)

CA92512-BSD1 **Blank Spike recovery is below lower control limit (B-).**
4-Chloroaniline (38% @ 40-140%)

Total Metals

CA92528-SRM1 **Standard Reference Material is biased low (R-).**
Silver (42% @ 70-130%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 04-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-COMP
Date Sampled: 01/25/19 10:50
Percent Solids: 97

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.82)		6010C		1	KJK	01/28/19 14:49	2.14	100	CA92528
Arsenic	ND (2.41)		6010C		1	KJK	01/28/19 14:49	2.14	100	CA92528
Beryllium	**0.18** (0.11)		6010C		1	KJK	01/26/19 0:42	2.14	100	CA92528
Cadmium	ND (0.48)		6010C		1	KJK	01/26/19 0:42	2.14	100	CA92528
Chromium	**17.5** (0.96)		6010C		1	KJK	01/26/19 0:42	2.14	100	CA92528
Copper	**33.6** (2.41)		6010C		1	KJK	01/26/19 0:42	2.14	100	CA92528
Lead	ND (4.82)		6010C		1	KJK	01/26/19 0:42	2.14	100	CA92528
Mercury	ND (0.028)		7471B		1	BJV	01/28/19 10:30	0.73	40	CA92529
Nickel	**8.99** (2.41)		6010C		1	KJK	01/26/19 0:42	2.14	100	CA92528
Selenium	ND (4.82)		6010C		1	KJK	01/26/19 0:42	2.14	100	CA92528
Silver	ND (0.48)		6010C		1	KJK	01/26/19 0:42	2.14	100	CA92528
Thallium	ND (4.82)		6010C		1	KJK	01/26/19 0:42	2.14	100	CA92528
Zinc	**27.8** (2.41)		6010C		1	KJK	01/26/19 0:42	2.14	100	CA92528

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-COMP
Date Sampled: 01/25/19 10:50
Percent Solids: 97
Initial Volume: 9.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,1,1-Trichloroethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,1,2,2-Tetrachloroethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,1,2-Trichloroethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,1-Dichloroethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,1-Dichloroethene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,1-Dichloropropene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,2,3-Trichlorobenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,2,3-Trichloropropane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,2,4-Trichlorobenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,2,4-Trimethylbenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,2-Dibromo-3-Chloropropane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,2-Dibromoethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,2-Dichlorobenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,2-Dichloroethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,2-Dichloropropane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,3,5-Trimethylbenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,3-Dichlorobenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,3-Dichloropropane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,4-Dichlorobenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1,4-Dioxane	ND (0.0543)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
1-Chlorohexane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
2,2-Dichloropropane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
2-Butanone	ND (0.0272)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
2-Chlorotoluene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
2-Hexanone	ND (0.0272)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
4-Chlorotoluene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
4-Isopropyltoluene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
4-Methyl-2-Pentanone	ND (0.0272)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Acetone	ND (0.0272)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Benzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Bromobenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-COMP
Date Sampled: 01/25/19 10:50
Percent Solids: 97
Initial Volume: 9.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Bromodichloromethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Bromoform	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Bromomethane	ND (0.0054)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Carbon Disulfide	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Carbon Tetrachloride	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Chlorobenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Chloroethane	ND (0.0054)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Chloroform	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Chloromethane	ND (0.0054)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
cis-1,2-Dichloroethene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
cis-1,3-Dichloropropene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Dibromochloromethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Dibromomethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Dichlorodifluoromethane	ND (0.0054)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Diethyl Ether	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Di-isopropyl ether	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Ethyl tertiary-butyl ether	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Ethylbenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Hexachlorobutadiene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Isopropylbenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Methyl tert-Butyl Ether	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Methylene Chloride	ND (0.0136)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Naphthalene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
n-Butylbenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
n-Propylbenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
sec-Butylbenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Styrene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
tert-Butylbenzene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Tertiary-amyl methyl ether	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Tetrachloroethene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Tetrahydrofuran	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-COMP
Date Sampled: 01/25/19 10:50
Percent Solids: 97
Initial Volume: 9.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
trans-1,2-Dichloroethene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
trans-1,3-Dichloropropene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Trichloroethene	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Trichlorofluoromethane	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Vinyl Acetate	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Vinyl Chloride	ND (0.0054)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Xylene O	ND (0.0027)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Xylene P,M	ND (0.0054)		8260B Low		1	01/25/19 15:10	C9A0442	CA92502
Xylenes (Total)	ND (0.0054)		8260B Low		1	01/25/19 15:10		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*133 %*	*S+*	*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*121 %*		*70-130*
Surrogate: Toluene-d8	*102 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-COMP
Date Sampled: 01/25/19 10:50
Percent Solids: 97
Initial Volume: 19.8
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 1/25/19 14:40

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (39.1)		8100M		1	01/25/19 15:07	C9A0444	CA92415

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*81 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-COMP
Date Sampled: 01/25/19 10:50
Percent Solids: 97
Initial Volume: 15.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 1/25/19 14:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
1,2,4-Trichlorobenzene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
1,2-Dichlorobenzene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
1,3-Dichlorobenzene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
1,4-Dichlorobenzene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2,3,4,6-Tetrachlorophenol	ND (1.66)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2,4,5-Trichlorophenol	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2,4,6-Trichlorophenol	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2,4-Dichlorophenol	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2,4-Dimethylphenol	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2,4-Dinitrophenol	ND (1.66)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2,4-Dinitrotoluene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2,6-Dinitrotoluene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2-Chloronaphthalene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2-Chlorophenol	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2-Methylnaphthalene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2-Methylphenol	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2-Nitroaniline	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
2-Nitrophenol	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
3,3′-Dichlorobenzidine	ND (0.662)		8270D		1	01/25/19 17:57	C9A0457	CA92512
3+4-Methylphenol	ND (0.662)		8270D		1	01/25/19 17:57	C9A0457	CA92512
3-Nitroaniline	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
4,6-Dinitro-2-Methylphenol	ND (1.66)		8270D		1	01/25/19 17:57	C9A0457	CA92512
4-Bromophenyl-phenylether	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
4-Chloro-3-Methylphenol	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
4-Chloroaniline	ND (0.662)		8270D		1	01/25/19 17:57	C9A0457	CA92512
4-Chloro-phenyl-phenyl ether	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
4-Nitroaniline	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
4-Nitrophenol	ND (1.66)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Acenaphthene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Acenaphthylene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Acetophenone	ND (0.662)		8270D		1	01/25/19 17:57	C9A0457	CA92512

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-COMP
Date Sampled: 01/25/19 10:50
Percent Solids: 97
Initial Volume: 15.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 1/25/19 14:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.662)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Anthracene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Azobenzene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Benzo(a)anthracene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Benzo(a)pyrene	ND (0.166)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Benzo(b)fluoranthene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Benzo(g,h,i)perylene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Benzo(k)fluoranthene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Benzoic Acid	ND (1.66)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Benzyl Alcohol	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
bis(2-Chloroethoxy)methane	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
bis(2-Chloroethyl)ether	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
bis(2-chloroisopropyl)Ether	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
bis(2-Ethylhexyl)phthalate	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Butylbenzylphthalate	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Carbazole	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Chrysene	ND (0.166)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Dibenzo(a,h)Anthracene	ND (0.166)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Dibenzofuran	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Diethylphthalate	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Dimethylphthalate	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Di-n-butylphthalate	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Di-n-octylphthalate	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Fluoranthene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Fluorene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Hexachlorobenzene	ND (0.166)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Hexachlorobutadiene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Hexachlorocyclopentadiene	ND (1.66)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Hexachloroethane	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Indeno(1,2,3-cd)Pyrene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Isophorone	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Naphthalene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-COMP
Date Sampled: 01/25/19 10:50
Percent Solids: 97
Initial Volume: 15.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 1/25/19 14:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
N-Nitrosodimethylamine	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
N-Nitroso-Di-n-Propylamine	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
N-nitrosodiphenylamine	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Pentachlorophenol	ND (1.66)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Phenanthrene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Phenol	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Pyrene	ND (0.330)		8270D		1	01/25/19 17:57	C9A0457	CA92512
Pyridine	ND (1.66)		8270D		1	01/25/19 17:57	C9A0457	CA92512

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*81 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*98 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*88 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*86 %*		*30-130*
Surrogate: 2-Fluorophenol	*92 %*		*30-130*
Surrogate: Nitrobenzene-d5	*84 %*		*30-130*
Surrogate: Phenol-d6	*93 %*		*30-130*
Surrogate: p-Terphenyl-d14	*92 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-A
Date Sampled: 01/25/19 10:50
Percent Solids: 97

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.52)		6010C		1	KJK	01/28/19 14:52	2.04	100	CA92528

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-B
Date Sampled: 01/25/19 10:50
Percent Solids: 97

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.03)		6010C		1	KJK	01/28/19 14:56	2.54	100	CA92528

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 012519-C
Date Sampled: 01/25/19 10:50
Percent Solids: 97

ESS Laboratory Work Order: 1901548
ESS Laboratory Sample ID: 1901548-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.02)		6010C		1	KJK	01/28/19 15:00	2.55	100	CA92528

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Quality Control Data

Total Metals

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch CA92528 - 3050B										
Blank										
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	5.00	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	43.2	17.5	mg/kg wet	42.40		102	80-120			
Arsenic	123	8.77	mg/kg wet	128.0		96	85-114			
Beryllium	210	0.39	mg/kg wet	217.0		97	84-116			
Cadmium	94.6	1.75	mg/kg wet	99.00		96	87-113			
Chromium	108	3.51	mg/kg wet	116.0		93	82-118			
Copper	94.3	8.77	mg/kg wet	89.60		105	83-117			
Lead	284	17.5	mg/kg wet	277.0		103	84-116			
Nickel	97.0	8.77	mg/kg wet	107.0		91	84-117			
Selenium	219	17.5	mg/kg wet	242.0		90	80-120			
Silver	64.2	1.75	mg/kg wet	64.30		100	86-114			
Thallium	187	17.5	mg/kg wet	183.0		102	80-120			
Zinc	507	8.77	mg/kg wet	561.0		90	86-114			
LCS Dup										
Antimony	41.9	18.2	mg/kg wet	42.40		99	80-120	3	20	
Arsenic	122	9.09	mg/kg wet	128.0		95	85-114	1	20	
Beryllium	207	0.40	mg/kg wet	217.0		96	84-116	1	20	
Cadmium	91.7	1.82	mg/kg wet	99.00		93	87-113	3	20	
Chromium	109	3.64	mg/kg wet	116.0		94	82-118	1	20	
Copper	92.7	9.09	mg/kg wet	89.60		104	83-117	2	20	
Lead	271	18.2	mg/kg wet	277.0		98	84-116	5	20	
Nickel	97.5	9.09	mg/kg wet	107.0		91	84-117	0.5	20	
Selenium	209	18.2	mg/kg wet	242.0		86	80-120	5	20	
Silver	64.7	1.82	mg/kg wet	64.30		101	86-114	0.7	20	
Thallium	178	18.2	mg/kg wet	183.0		97	80-120	5	20	
Zinc	517	9.09	mg/kg wet	561.0		92	86-114	2	20	
Reference										
Cadmium	417	1.85	mg/kg wet	500.0		83	70-130			
Chromium	483	3.70	mg/kg wet	500.0		97	70-130			
Lead	463	18.5	mg/kg wet	500.0		93	70-130			
Silver	209	1.85	mg/kg wet	500.0		42	70-130			R-
Zinc	456	9.26	mg/kg wet	500.0		91	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CA92529 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	3.48	0.354	mg/kg wet	4.850		72	50-103			
LCS Dup										
Mercury	3.52	0.367	mg/kg wet	4.850		73	50-103	1	20	
Reference										
Mercury	0.196	0.034	mg/kg wet	1000		0.02	0-200			
5035/8260B Volatile Organic Compounds / Low Level										
Batch CA92502 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CA92502 - 5035										
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0622*		mg/kg wet	*0.05000*		*124*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0476*		mg/kg wet	*0.05000*		*95*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0567*		mg/kg wet	*0.05000*		*113*	*70-130*			
Surrogate: Toluene-d8	*0.0505*		mg/kg wet	*0.05000*		*101*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CA92502 - 5035										
LCS										
1,1,1,2-Tetrachloroethane	0.0510	0.0050	mg/kg wet	0.05000		102	70-130			
1,1,1-Trichloroethane	0.0610	0.0050	mg/kg wet	0.05000		122	70-130			
1,1,2,2-Tetrachloroethane	0.0534	0.0050	mg/kg wet	0.05000		107	70-130			
1,1,2-Trichloroethane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
1,1-Dichloroethane	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
1,1-Dichloroethene	0.0568	0.0050	mg/kg wet	0.05000		114	70-130			
1,1-Dichloropropene	0.0577	0.0050	mg/kg wet	0.05000		115	70-130			
1,2,3-Trichlorobenzene	0.0555	0.0050	mg/kg wet	0.05000		111	70-130			
1,2,3-Trichloropropane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
1,2,4-Trichlorobenzene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130			
1,2,4-Trimethylbenzene	0.0588	0.0050	mg/kg wet	0.05000		118	70-130			
1,2-Dibromo-3-Chloropropane	0.0448	0.0050	mg/kg wet	0.05000		90	70-130			
1,2-Dibromoethane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
1,2-Dichlorobenzene	0.0548	0.0050	mg/kg wet	0.05000		110	70-130			
1,2-Dichloroethane	0.0548	0.0050	mg/kg wet	0.05000		110	70-130			
1,2-Dichloropropane	0.0532	0.0050	mg/kg wet	0.05000		106	70-130			
1,3,5-Trimethylbenzene	0.0596	0.0050	mg/kg wet	0.05000		119	70-130			
1,3-Dichlorobenzene	0.0552	0.0050	mg/kg wet	0.05000		110	70-130			
1,3-Dichloropropane	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
1,4-Dichlorobenzene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130			
1,4-Dioxane	1.00	0.100	mg/kg wet	1.000		100	70-130			
1-Chlorohexane	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
2,2-Dichloropropane	0.0660	0.0050	mg/kg wet	0.05000		132	70-130			B+
2-Butanone	0.284	0.0500	mg/kg wet	0.2500		113	70-130			
2-Chlorotoluene	0.0568	0.0050	mg/kg wet	0.05000		114	70-130			
2-Hexanone	0.236	0.0500	mg/kg wet	0.2500		95	70-130			
4-Chlorotoluene	0.0583	0.0050	mg/kg wet	0.05000		117	70-130			
4-Isopropyltoluene	0.0596	0.0050	mg/kg wet	0.05000		119	70-130			
4-Methyl-2-Pentanone	0.236	0.0500	mg/kg wet	0.2500		94	70-130			
Acetone	0.249	0.0500	mg/kg wet	0.2500		99	70-130			
Benzene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130			
Bromobenzene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130			
Bromochloromethane	0.0532	0.0050	mg/kg wet	0.05000		106	70-130			
Bromodichloromethane	0.0529	0.0050	mg/kg wet	0.05000		106	70-130			
Bromoform	0.0448	0.0050	mg/kg wet	0.05000		90	70-130			
Bromomethane	0.0558	0.0100	mg/kg wet	0.05000		112	70-130			
Carbon Disulfide	0.0594	0.0050	mg/kg wet	0.05000		119	70-130			
Carbon Tetrachloride	0.0660	0.0050	mg/kg wet	0.05000		132	70-130			B+
Chlorobenzene	0.0540	0.0050	mg/kg wet	0.05000		108	70-130			
Chloroethane	0.0570	0.0100	mg/kg wet	0.05000		114	70-130			
Chloroform	0.0562	0.0050	mg/kg wet	0.05000		112	70-130			
Chloromethane	0.0454	0.0100	mg/kg wet	0.05000		91	70-130			
cis-1,2-Dichloroethene	0.0560	0.0050	mg/kg wet	0.05000		112	70-130			
cis-1,3-Dichloropropene	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CA92502 - 5035										
Dibromochloromethane	0.0442	0.0050	mg/kg wet	0.05000		88	70-130			
Dibromomethane	0.0532	0.0050	mg/kg wet	0.05000		106	70-130			
Dichlorodifluoromethane	0.0405	0.0100	mg/kg wet	0.05000		81	70-130			
Diethyl Ether	0.0545	0.0050	mg/kg wet	0.05000		109	70-130			
Di-isopropyl ether	0.0546	0.0050	mg/kg wet	0.05000		109	70-130			
Ethyl tertiary-butyl ether	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
Ethylbenzene	0.0559	0.0050	mg/kg wet	0.05000		112	70-130			
Hexachlorobutadiene	0.0572	0.0050	mg/kg wet	0.05000		114	70-130			
Isopropylbenzene	0.0577	0.0050	mg/kg wet	0.05000		115	70-130			
Methyl tert-Butyl Ether	0.0546	0.0050	mg/kg wet	0.05000		109	70-130			
Methylene Chloride	0.0495	0.0250	mg/kg wet	0.05000		99	70-130			
Naphthalene	0.0443	0.0050	mg/kg wet	0.05000		89	70-130			
n-Butylbenzene	0.0616	0.0050	mg/kg wet	0.05000		123	70-130			
n-Propylbenzene	0.0591	0.0050	mg/kg wet	0.05000		118	70-130			
sec-Butylbenzene	0.0583	0.0050	mg/kg wet	0.05000		117	70-130			
Styrene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
tert-Butylbenzene	0.0587	0.0050	mg/kg wet	0.05000		117	70-130			
Tertiary-amyl methyl ether	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
Tetrachloroethene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130			
Tetrahydrofuran	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			
Toluene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130			
trans-1,2-Dichloroethene	0.0521	0.0050	mg/kg wet	0.05000		104	70-130			
trans-1,3-Dichloropropene	0.0422	0.0050	mg/kg wet	0.05000		84	70-130			
Trichloroethene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130			
Trichlorofluoromethane	0.0578	0.0050	mg/kg wet	0.05000		116	70-130			
Vinyl Acetate	0.0619	0.0050	mg/kg wet	0.05000		124	70-130			
Vinyl Chloride	0.0525	0.0100	mg/kg wet	0.05000		105	70-130			
Xylene O	0.0597	0.0050	mg/kg wet	0.05000		119	70-130			
Xylene P,M	0.119	0.0100	mg/kg wet	0.1000		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0533*		mg/kg wet	*0.05000*		*107*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0513*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0533*		mg/kg wet	*0.05000*		*107*	*70-130*			
Surrogate: Toluene-d8	*0.0500*		mg/kg wet	*0.05000*		*100*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130	0.3	25	
1,1,1-Trichloroethane	0.0601	0.0050	mg/kg wet	0.05000		120	70-130	1	25	
1,1,2,2-Tetrachloroethane	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	2	25	
1,1,2-Trichloroethane	0.0514	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
1,1-Dichloroethane	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	2	25	
1,1-Dichloroethene	0.0569	0.0050	mg/kg wet	0.05000		114	70-130	0.1	25	
1,1-Dichloropropene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	2	25	
1,2,3-Trichlorobenzene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	2	25	
1,2,3-Trichloropropane	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	2	25	
1,2,4-Trichlorobenzene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	2	25	
1,2,4-Trimethylbenzene	0.0592	0.0050	mg/kg wet	0.05000		118	70-130	0.6	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1901548

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CA92502 - 5035										
1,2-Dibromo-3-Chloropropane	0.0446	0.0050	mg/kg wet	0.05000		89	70-130	0.4	25	
1,2-Dibromoethane	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	0.7	25	
1,2-Dichlorobenzene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	0.3	25	
1,2-Dichloroethane	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	2	25	
1,2-Dichloropropane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	1	25	
1,3,5-Trimethylbenzene	0.0601	0.0050	mg/kg wet	0.05000		120	70-130	0.9	25	
1,3-Dichlorobenzene	0.0563	0.0050	mg/kg wet	0.05000		113	70-130	2	25	
1,3-Dichloropropane	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	0.6	25	
1,4-Dichlorobenzene	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	0.8	25	
1,4-Dioxane	0.974	0.100	mg/kg wet	1.000		97	70-130	3	20	
1-Chlorohexane	0.0489	0.0050	mg/kg wet	0.05000		98	70-130	2	25	
2,2-Dichloropropane	0.0650	0.0050	mg/kg wet	0.05000		130	70-130	1	25	
2-Butanone	0.276	0.0500	mg/kg wet	0.2500		110	70-130	3	25	
2-Chlorotoluene	0.0572	0.0050	mg/kg wet	0.05000		114	70-130	0.6	25	
2-Hexanone	0.234	0.0500	mg/kg wet	0.2500		94	70-130	1	25	
4-Chlorotoluene	0.0588	0.0050	mg/kg wet	0.05000		118	70-130	0.8	25	
4-Isopropyltoluene	0.0596	0.0050	mg/kg wet	0.05000		119	70-130	0.03	25	
4-Methyl-2-Pentanone	0.231	0.0500	mg/kg wet	0.2500		92	70-130	2	25	
Acetone	0.242	0.0500	mg/kg wet	0.2500		97	70-130	3	25	
Benzene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130	2	25	
Bromobenzene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	0.2	25	
Bromochloromethane	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	3	25	
Bromodichloromethane	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
Bromoform	0.0452	0.0050	mg/kg wet	0.05000		90	70-130	0.9	25	
Bromomethane	0.0512	0.0100	mg/kg wet	0.05000		102	70-130	9	25	
Carbon Disulfide	0.0581	0.0050	mg/kg wet	0.05000		116	70-130	2	25	
Carbon Tetrachloride	0.0647	0.0050	mg/kg wet	0.05000		129	70-130	2	25	
Chlorobenzene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	2	25	
Chloroethane	0.0563	0.0100	mg/kg wet	0.05000		113	70-130	1	25	
Chloroform	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	2	25	
Chloromethane	0.0440	0.0100	mg/kg wet	0.05000		88	70-130	3	25	
cis-1,2-Dichloroethene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	1	25	
cis-1,3-Dichloropropene	0.0466	0.0050	mg/kg wet	0.05000		93	70-130	2	25	
Dibromochloromethane	0.0446	0.0050	mg/kg wet	0.05000		89	70-130	0.9	25	
Dibromomethane	0.0521	0.0050	mg/kg wet	0.05000		104	70-130	2	25	
Dichlorodifluoromethane	0.0388	0.0100	mg/kg wet	0.05000		78	70-130	4	25	
Diethyl Ether	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	0.7	25	
Di-isopropyl ether	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	1	25	
Ethyl tertiary-butyl ether	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	0.5	25	
Ethylbenzene	0.0567	0.0050	mg/kg wet	0.05000		113	70-130	1	25	
Hexachlorobutadiene	0.0579	0.0050	mg/kg wet	0.05000		116	70-130	1	25	
Isopropylbenzene	0.0581	0.0050	mg/kg wet	0.05000		116	70-130	0.8	25	
Methyl tert-Butyl Ether	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	1	25	
Methylene Chloride	0.0483	0.0250	mg/kg wet	0.05000		97	70-130	2	25	
Naphthalene	0.0453	0.0050	mg/kg wet	0.05000		91	70-130	2	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1901548

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CA92502 - 5035										
n-Butylbenzene	0.0618	0.0050	mg/kg wet	0.05000		124	70-130	0.4	25	
n-Propylbenzene	0.0598	0.0050	mg/kg wet	0.05000		120	70-130	1	25	
sec-Butylbenzene	0.0589	0.0050	mg/kg wet	0.05000		118	70-130	1	25	
Styrene	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	2	25	
tert-Butylbenzene	0.0590	0.0050	mg/kg wet	0.05000		118	70-130	0.6	25	
Tertiary-amyl methyl ether	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	0.9	25	
Tetrachloroethene	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	1	25	
Tetrahydrofuran	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	0.5	25	
Toluene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	2	25	
trans-1,2-Dichloroethene	0.0521	0.0050	mg/kg wet	0.05000		104	70-130	0.08	25	
trans-1,3-Dichloropropene	0.0419	0.0050	mg/kg wet	0.05000		84	70-130	0.6	25	
Trichloroethene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	0.2	25	
Trichlorofluoromethane	0.0568	0.0050	mg/kg wet	0.05000		114	70-130	2	25	
Vinyl Acetate	0.0616	0.0050	mg/kg wet	0.05000		123	70-130	0.6	25	
Vinyl Chloride	0.0513	0.0100	mg/kg wet	0.05000		103	70-130	2	25	
Xylene O	0.0602	0.0050	mg/kg wet	0.05000		120	70-130	0.9	25	
Xylene P,M	0.121	0.0100	mg/kg wet	0.1000		121	70-130	1	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0509*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0513*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0516*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.0507*		mg/kg wet	*0.05000*		*101*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch CA92415 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.07*		mg/kg wet	*5.000*		*81*	*40-140*			
LCS										
Decane (C10)	1.4	0.2	mg/kg wet	2.500		57	40-140			
Docosane (C22)	2.0	0.2	mg/kg wet	2.500		81	40-140			
Dodecane (C12)	1.8	0.2	mg/kg wet	2.500		73	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CA92415 - 3546										
Eicosane (C20)	2.0	0.2	mg/kg wet	2.500		81	40-140			
Hexacosane (C26)	2.0	0.2	mg/kg wet	2.500		79	40-140			
Hexadecane (C16)	1.9	0.2	mg/kg wet	2.500		77	40-140			
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		97	40-140			
Nonane (C9)	1.5	0.2	mg/kg wet	2.500		61	30-140			
Octacosane (C28)	2.0	0.2	mg/kg wet	2.500		78	40-140			
Octadecane (C18)	2.0	0.2	mg/kg wet	2.500		78	40-140			
Tetracosane (C24)	2.0	0.2	mg/kg wet	2.500		80	40-140			
Tetradecane (C14)	1.8	0.2	mg/kg wet	2.500		74	40-140			
Total Petroleum Hydrocarbons	26.8	37.5	mg/kg wet	35.00		77	40-140			
Triacontane (C30)	1.9	0.2	mg/kg wet	2.500		76	40-140			
Surrogate: O-Terphenyl	*3.94*		mg/kg wet	*5.000*		*79*	*40-140*			
LCS Dup										
Decane (C10)	1.4	0.2	mg/kg wet	2.500		57	40-140	0.4	25	
Docosane (C22)	2.0	0.2	mg/kg wet	2.500		82	40-140	1	25	
Dodecane (C12)	1.8	0.2	mg/kg wet	2.500		73	40-140	0.5	25	
Eicosane (C20)	2.1	0.2	mg/kg wet	2.500		82	40-140	1	25	
Hexacosane (C26)	2.0	0.2	mg/kg wet	2.500		80	40-140	1	25	
Hexadecane (C16)	1.9	0.2	mg/kg wet	2.500		78	40-140	2	25	
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		98	40-140	1	25	
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		62	30-140	1	25	
Octacosane (C28)	2.0	0.2	mg/kg wet	2.500		79	40-140	0.9	25	
Octadecane (C18)	2.0	0.2	mg/kg wet	2.500		80	40-140	1	25	
Tetracosane (C24)	2.0	0.2	mg/kg wet	2.500		82	40-140	2	25	
Tetradecane (C14)	1.9	0.2	mg/kg wet	2.500		75	40-140	2	25	
Total Petroleum Hydrocarbons	27.0	37.5	mg/kg wet	35.00		77	40-140	0.6	25	
Triacontane (C30)	1.9	0.2	mg/kg wet	2.500		77	40-140	0.08	25	
Surrogate: O-Terphenyl	*3.91*		mg/kg wet	*5.000*		*78*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch CA92512 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CA92512 - 3546										
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CA92512 - 3546										
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.55*		mg/kg wet	*3.333*		*76*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.53*		mg/kg wet	*5.000*		*91*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.10*		mg/kg wet	*5.000*		*82*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.68*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: 2-Fluorophenol	*4.24*		mg/kg wet	*5.000*		*85*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.61*		mg/kg wet	*3.333*		*78*	*30-130*			
Surrogate: Phenol-d6	*4.37*		mg/kg wet	*5.000*		*87*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.09*		mg/kg wet	*3.333*		*93*	*30-130*			
LCS										
1,1-Biphenyl	2.00	0.333	mg/kg wet	3.333		60	40-140			
1,2,4-Trichlorobenzene	1.86	0.333	mg/kg wet	3.333		56	40-140			
1,2-Dichlorobenzene	1.89	0.333	mg/kg wet	3.333		57	40-140			
1,3-Dichlorobenzene	1.87	0.333	mg/kg wet	3.333		56	40-140			
1,4-Dichlorobenzene	1.91	0.333	mg/kg wet	3.333		57	40-140			
2,3,4,6-Tetrachlorophenol	2.71	1.67	mg/kg wet	3.333		81	30-130			
2,4,5-Trichlorophenol	2.65	0.333	mg/kg wet	3.333		80	30-130			
2,4,6-Trichlorophenol	2.37	0.333	mg/kg wet	3.333		71	30-130			
2,4-Dichlorophenol	2.06	0.333	mg/kg wet	3.333		62	30-130			
2,4-Dimethylphenol	2.08	0.333	mg/kg wet	3.333		63	30-130			
2,4-Dinitrophenol	2.58	1.67	mg/kg wet	3.333		78	30-130			
2,4-Dinitrotoluene	2.77	0.333	mg/kg wet	3.333		83	40-140			
2,6-Dinitrotoluene	2.49	0.333	mg/kg wet	3.333		75	40-140			
2-Chloronaphthalene	1.87	0.333	mg/kg wet	3.333		56	40-140			
2-Chlorophenol	2.01	0.333	mg/kg wet	3.333		60	30-130			
2-Methylnaphthalene	1.84	0.333	mg/kg wet	3.333		55	40-140			
2-Methylphenol	2.01	0.333	mg/kg wet	3.333		60	30-130			
2-Nitroaniline	2.54	0.333	mg/kg wet	3.333		76	40-140			
2-Nitrophenol	1.88	0.333	mg/kg wet	3.333		56	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CA92512 - 3546										
3,3´-Dichlorobenzidine	1.82	0.667	mg/kg wet	3.333		55	40-140			
3+4-Methylphenol	4.26	0.667	mg/kg wet	6.667		64	30-130			
3-Nitroaniline	2.07	0.333	mg/kg wet	3.333		62	40-140			
4,6-Dinitro-2-Methylphenol	2.79	1.67	mg/kg wet	3.333		84	30-130			
4-Bromophenyl-phenylether	2.44	0.333	mg/kg wet	3.333		73	40-140			
4-Chloro-3-Methylphenol	2.43	0.333	mg/kg wet	3.333		73	30-130			
4-Chloroaniline	1.26	0.667	mg/kg wet	3.333		38	40-140			B-
4-Chloro-phenyl-phenyl ether	2.23	0.333	mg/kg wet	3.333		67	40-140			
4-Nitroaniline	2.51	0.333	mg/kg wet	3.333		75	40-140			
4-Nitrophenol	2.84	1.67	mg/kg wet	3.333		85	30-130			
Acenaphthene	2.06	0.333	mg/kg wet	3.333		62	40-140			
Acenaphthylene	1.90	0.333	mg/kg wet	3.333		57	40-140			
Acetophenone	2.00	0.667	mg/kg wet	3.333		60	40-140			
Aniline	1.33	0.667	mg/kg wet	3.333		40	40-140			
Anthracene	2.69	0.333	mg/kg wet	3.333		81	40-140			
Azobenzene	2.43	0.333	mg/kg wet	3.333		73	40-140			
Benzo(a)anthracene	2.68	0.333	mg/kg wet	3.333		80	40-140			
Benzo(a)pyrene	2.69	0.167	mg/kg wet	3.333		81	40-140			
Benzo(b)fluoranthene	2.75	0.333	mg/kg wet	3.333		83	40-140			
Benzo(g,h,i)perylene	2.74	0.333	mg/kg wet	3.333		82	40-140			
Benzo(k)fluoranthene	2.96	0.333	mg/kg wet	3.333		89	40-140			
Benzoic Acid	2.50	1.67	mg/kg wet	3.333		75	40-140			
Benzyl Alcohol	1.54	0.333	mg/kg wet	3.333		46	40-140			
bis(2-Chloroethoxy)methane	1.92	0.333	mg/kg wet	3.333		58	40-140			
bis(2-Chloroethyl)ether	1.80	0.333	mg/kg wet	3.333		54	40-140			
bis(2-chloroisopropyl)Ether	1.91	0.333	mg/kg wet	3.333		57	40-140			
bis(2-Ethylhexyl)phthalate	2.77	0.333	mg/kg wet	3.333		83	40-140			
Butylbenzylphthalate	2.73	0.333	mg/kg wet	3.333		82	40-140			
Carbazole	2.77	0.333	mg/kg wet	3.333		83	40-140			
Chrysene	2.71	0.167	mg/kg wet	3.333		81	40-140			
Dibenzo(a,h)Anthracene	2.79	0.167	mg/kg wet	3.333		84	40-140			
Dibenzofuran	2.15	0.333	mg/kg wet	3.333		64	40-140			
Diethylphthalate	2.48	0.333	mg/kg wet	3.333		74	40-140			
Dimethylphthalate	2.34	0.333	mg/kg wet	3.333		70	40-140			
Di-n-butylphthalate	2.74	0.333	mg/kg wet	3.333		82	40-140			
Di-n-octylphthalate	2.89	0.333	mg/kg wet	3.333		87	40-140			
Fluoranthene	2.75	0.333	mg/kg wet	3.333		83	40-140			
Fluorene	2.33	0.333	mg/kg wet	3.333		70	40-140			
Hexachlorobenzene	2.60	0.167	mg/kg wet	3.333		78	40-140			
Hexachlorobutadiene	1.84	0.333	mg/kg wet	3.333		55	40-140			
Hexachlorocyclopentadiene	1.34	1.67	mg/kg wet	3.333		40	40-140			
Hexachloroethane	1.90	0.333	mg/kg wet	3.333		57	40-140			
Indeno(1,2,3-cd)Pyrene	2.80	0.333	mg/kg wet	3.333		84	40-140			
Isophorone	1.76	0.333	mg/kg wet	3.333		53	40-140			
Naphthalene	1.81	0.333	mg/kg wet	3.333		54	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CA92512 - 3546										
Nitrobenzene	1.95	0.333	mg/kg wet	3.333		58	40-140			
N-Nitrosodimethylamine	1.84	0.333	mg/kg wet	3.333		55	40-140			
N-Nitroso-Di-n-Propylamine	1.86	0.333	mg/kg wet	3.333		56	40-140			
N-nitrosodiphenylamine	2.71	0.333	mg/kg wet	3.333		81	40-140			
Pentachlorophenol	3.42	1.67	mg/kg wet	3.333		102	30-130			
Phenanthrene	2.54	0.333	mg/kg wet	3.333		76	40-140			
Phenol	2.00	0.333	mg/kg wet	3.333		60	30-130			
Pyrene	2.77	0.333	mg/kg wet	3.333		83	40-140			
Pyridine	1.61	1.67	mg/kg wet	3.333		48	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.19*		mg/kg wet	*3.333*		*66*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.95*		mg/kg wet	*5.000*		*99*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.52*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.18*		mg/kg wet	*3.333*		*66*	*30-130*			
Surrogate: 2-Fluorophenol	*3.65*		mg/kg wet	*5.000*		*73*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.12*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: Phenol-d6	*3.68*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.22*		mg/kg wet	*3.333*		*97*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.04	0.333	mg/kg wet	3.333		61	40-140	2	30	
1,2,4-Trichlorobenzene	1.91	0.333	mg/kg wet	3.333		57	40-140	3	30	
1,2-Dichlorobenzene	1.89	0.333	mg/kg wet	3.333		57	40-140	0.2	30	
1,3-Dichlorobenzene	1.85	0.333	mg/kg wet	3.333		55	40-140	1	30	
1,4-Dichlorobenzene	1.88	0.333	mg/kg wet	3.333		56	40-140	1	30	
2,3,4,6-Tetrachlorophenol	2.65	1.67	mg/kg wet	3.333		79	30-130	2	30	
2,4,5-Trichlorophenol	2.53	0.333	mg/kg wet	3.333		76	30-130	5	30	
2,4,6-Trichlorophenol	2.31	0.333	mg/kg wet	3.333		69	30-130	2	30	
2,4-Dichlorophenol	2.17	0.333	mg/kg wet	3.333		65	30-130	5	30	
2,4-Dimethylphenol	2.16	0.333	mg/kg wet	3.333		65	30-130	4	30	
2,4-Dinitrophenol	2.58	1.67	mg/kg wet	3.333		77	30-130	0.2	30	
2,4-Dinitrotoluene	2.68	0.333	mg/kg wet	3.333		80	40-140	3	30	
2,6-Dinitrotoluene	2.40	0.333	mg/kg wet	3.333		72	40-140	3	30	
2-Chloronaphthalene	1.91	0.333	mg/kg wet	3.333		57	40-140	2	30	
2-Chlorophenol	2.00	0.333	mg/kg wet	3.333		60	30-130	0.5	30	
2-Methylnaphthalene	1.92	0.333	mg/kg wet	3.333		58	40-140	4	30	
2-Methylphenol	2.06	0.333	mg/kg wet	3.333		62	30-130	2	30	
2-Nitroaniline	2.47	0.333	mg/kg wet	3.333		74	40-140	3	30	
2-Nitrophenol	1.98	0.333	mg/kg wet	3.333		59	30-130	5	30	
3,3´-Dichlorobenzidine	1.76	0.667	mg/kg wet	3.333		53	40-140	3	30	
3+4-Methylphenol	4.27	0.667	mg/kg wet	6.667		64	30-130	0.2	30	
3-Nitroaniline	2.06	0.333	mg/kg wet	3.333		62	40-140	0.6	30	
4,6-Dinitro-2-Methylphenol	2.76	1.67	mg/kg wet	3.333		83	30-130	0.7	30	
4-Bromophenyl-phenylether	2.33	0.333	mg/kg wet	3.333		70	40-140	5	30	
4-Chloro-3-Methylphenol	2.39	0.333	mg/kg wet	3.333		72	30-130	2	30	
4-Chloroaniline	1.25	0.667	mg/kg wet	3.333		38	40-140	0.9	30	B-
4-Chloro-phenyl-phenyl ether	2.21	0.333	mg/kg wet	3.333		66	40-140	1	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CA92512 - 3546										
4-Nitroaniline	2.40	0.333	mg/kg wet	3.333		72	40-140	5	30	
4-Nitrophenol	2.73	1.67	mg/kg wet	3.333		82	30-130	4	30	
Acenaphthene	2.07	0.333	mg/kg wet	3.333		62	40-140	0.2	30	
Acenaphthylene	1.89	0.333	mg/kg wet	3.333		57	40-140	0.4	30	
Acetophenone	2.01	0.667	mg/kg wet	3.333		60	40-140	0.3	30	
Aniline	1.33	0.667	mg/kg wet	3.333		40	40-140	0.4	30	
Anthracene	2.57	0.333	mg/kg wet	3.333		77	40-140	5	30	
Azobenzene	2.35	0.333	mg/kg wet	3.333		70	40-140	3	30	
Benzo(a)anthracene	2.50	0.333	mg/kg wet	3.333		75	40-140	7	30	
Benzo(a)pyrene	2.54	0.167	mg/kg wet	3.333		76	40-140	6	30	
Benzo(b)fluoranthene	2.57	0.333	mg/kg wet	3.333		77	40-140	7	30	
Benzo(g,h,i)perylene	2.55	0.333	mg/kg wet	3.333		76	40-140	7	30	
Benzo(k)fluoranthene	2.80	0.333	mg/kg wet	3.333		84	40-140	5	30	
Benzoic Acid	2.44	1.67	mg/kg wet	3.333		73	40-140	2	30	
Benzyl Alcohol	1.66	0.333	mg/kg wet	3.333		50	40-140	8	30	
bis(2-Chloroethoxy)methane	2.02	0.333	mg/kg wet	3.333		61	40-140	5	30	
bis(2-Chloroethyl)ether	1.89	0.333	mg/kg wet	3.333		57	40-140	4	30	
bis(2-chloroisopropyl)Ether	1.95	0.333	mg/kg wet	3.333		59	40-140	2	30	
bis(2-Ethylhexyl)phthalate	2.67	0.333	mg/kg wet	3.333		80	40-140	3	30	
Butylbenzylphthalate	2.61	0.333	mg/kg wet	3.333		78	40-140	4	30	
Carbazole	2.63	0.333	mg/kg wet	3.333		79	40-140	5	30	
Chrysene	2.56	0.167	mg/kg wet	3.333		77	40-140	6	30	
Dibenzo(a,h)Anthracene	2.59	0.167	mg/kg wet	3.333		78	40-140	8	30	
Dibenzofuran	2.12	0.333	mg/kg wet	3.333		64	40-140	1	30	
Diethylphthalate	2.46	0.333	mg/kg wet	3.333		74	40-140	0.8	30	
Dimethylphthalate	2.31	0.333	mg/kg wet	3.333		69	40-140	1	30	
Di-n-butylphthalate	2.65	0.333	mg/kg wet	3.333		79	40-140	4	30	
Di-n-octylphthalate	2.78	0.333	mg/kg wet	3.333		83	40-140	4	30	
Fluoranthene	2.62	0.333	mg/kg wet	3.333		79	40-140	5	30	
Fluorene	2.29	0.333	mg/kg wet	3.333		69	40-140	2	30	
Hexachlorobenzene	2.47	0.167	mg/kg wet	3.333		74	40-140	5	30	
Hexachlorobutadiene	1.94	0.333	mg/kg wet	3.333		58	40-140	5	30	
Hexachlorocyclopentadiene	1.41	1.67	mg/kg wet	3.333		42	40-140	5	30	
Hexachloroethane	1.90	0.333	mg/kg wet	3.333		57	40-140	0.3	30	
Indeno(1,2,3-cd)Pyrene	2.60	0.333	mg/kg wet	3.333		78	40-140	8	30	
Isophorone	1.85	0.333	mg/kg wet	3.333		55	40-140	5	30	
Naphthalene	1.89	0.333	mg/kg wet	3.333		57	40-140	4	30	
Nitrobenzene	1.93	0.333	mg/kg wet	3.333		58	40-140	0.9	30	
N-Nitrosodimethylamine	1.72	0.333	mg/kg wet	3.333		52	40-140	6	30	
N-Nitroso-Di-n-Propylamine	1.91	0.333	mg/kg wet	3.333		57	40-140	2	30	
N-nitrosodiphenylamine	2.60	0.333	mg/kg wet	3.333		78	40-140	4	30	
Pentachlorophenol	3.24	1.67	mg/kg wet	3.333		97	30-130	5	30	
Phenanthrene	2.38	0.333	mg/kg wet	3.333		71	40-140	7	30	
Phenol	2.02	0.333	mg/kg wet	3.333		60	30-130	0.9	30	
Pyrene	2.65	0.333	mg/kg wet	3.333		79	40-140	5	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CA92512 - 3546										
Pyridine	1.49	1.67	mg/kg wet	3.333		45	40-140	8	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.13*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.55*		mg/kg wet	*5.000*		*91*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.35*		mg/kg wet	*5.000*		*67*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.18*		mg/kg wet	*3.333*		*65*	*30-130*			
Surrogate: 2-Fluorophenol	*3.48*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.13*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: Phenol-d6	*3.57*		mg/kg wet	*5.000*		*71*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.90*		mg/kg wet	*3.333*		*87*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

Notes and Definitions

U	Analyte included in the analysis, but not detected
S+	Surrogate recovery(ies) above upper control limit (S+).
R-	Standard Reference Material is biased low (R-).
Q	Calibration required quadratic regression (Q).
ICV-	Initial Calibration Verification recovery is below lower control limit (ICV-).
D	Diluted.
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1901548

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/HDM

Shipped/Delivered Via: Client

ESS Project ID: 1901548
Date Received: 1/25/2019
Project Due Date: 1/28/2019
Days for Project: 1 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 4.1 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** (Yes) / No / NA
10. Were any analyses received outside of hold time? Yes (No)

11. Any Subcontracting needed? Yes / (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA

13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: Time: By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / (No)
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608.3 Pesticides)
01	311930	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	311931	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	311935	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
01	311936	Yes	NA	Yes	VOA Vial - Other	Other	
01	311937	Yes	NA	Yes	VOA Vial - Other	Other	
02	311934	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
03	311933	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
04	311932	Yes	NA	Yes	4 oz. Jar - Unpres	NP	

2nd Review
All containers scanned into storage/lab Initials:
Are barcode labels on correct containers? Yes / No
Are all necessary stickers attached? Yes / No

Completed By: Date & Time: 1/25/19 12:01
Reviewed By: Date & Time: 1/25/19 1207
Delivered By:

ESS Laboratory
Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1901548

Turn Time: RUSH Rush: 1 day
Regulatory State: RI
Is this project for any of the following?: ☐ MA-MCP ☐ CT-RCP ☐ RGP ☐ Remediation

Reporting Limits

Electonic Deliverables: ☒ Limit Checker ☒ Excel ☒ Other (Please Specify) → PDF

Company Name	Project #	Project Name
GZA RI	33554.04	642 ALLENS AVE

Contact Person	Address
SOPHIA NARKIEWICZ	188 VALLEY ST, SUITE 300

City	State	Zip Code	PO #
PROVIDENCE	RI	02909	

Telephone Number	FAX Number	Email Address
(401) 447-8161		sophia.narkiewicz@gza.com

Analysis

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	TPH 8100 M	PFAS Metals	ARSENIC	VOCs 8260B	SVOCs 8270D
1	1/25/19	1050	COMPOSITE	SOIL	012519-COMP	X	X		X	X
2	↓	↓	GRAB	↓	012519-A			X		
3	↓	↓	GRAB	↓	012519-B			X		
4	↓	↓	GRAB	↓	012519-C			X		

Container Type: AG-Amber Glass B-BOD Bottle G-Glass P-Poly S-Sterile V-Vial O-Other

Preservation Code:	1-Non Preserved	2-HCl	3-H2SO4	4-HNO3	5-NaOH	6-Methanol	7-Na2S2O3	8-ZnAce, NaOH	9-NH4Cl	10-DI H2O	11-Other*

	ag	ag	AG	V	V
Number of Containers:	1	1	1	6	10
	1	1	3	1	2

Laboratory Use Only

Cooler Present: ✓
Seals Intact: —
Cooler Temperature: Ice 4.1 °C

Sampled by: CHARLES LINDNER

Comments: Please specify "Other" preservative and containers types in this space

NGRID RATES APPLY

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
[signature] 1/25/19 11:41	[signature] 1/25/19 11:41		
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

CERTIFICATE OF ANALYSIS

Sophia Narkiewicz
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: 642 Allens Ave (03.0033554)
ESS Laboratory Work Order Number: 1903180

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 2:05 pm, Mar 15, 2019

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1903180

SAMPLE RECEIPT

The following samples were received on March 08, 2019 for the analyses specified on the enclosed Chain of Custody Record.

The cooler temperature was not within the acceptance limit of <6°C, however, samples were delivered on ice and therefore meet regulatory criteria.

Lab Number	Sample Name	Matrix	Analysis
1903180-01	030819-3 4 DG	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
1903180-02	030819-A	Soil	6010C
1903180-03	030819-B	Soil	6010C
1903180-04	030819-C	Soil	6010C

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1903180

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

CC90819-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
1,4-Dioxane (28% @ 20%)

8270D Semi-Volatile Organic Compounds

C9C0157-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (102% @ 80-120%), Benzoic Acid (104% @ 80-120%), Pentachlorophenol (129% @ 80-120%)

C9C0157-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Pentachlorophenol (29% @ 20%)

C9C0157-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
4-Chloroaniline (26% @ 20%), N-Nitrosodimethylamine (21% @ 20%)

C9C0159-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (84% @ 80-120%), 4,6-Dinitro-2-Methylphenol (96% @ 80-120%), Benzoic Acid (70% @ 80-120%), Pentachlorophenol (114% @ 80-120%)

C9C0159-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Benzoic Acid (30% @ 20%), Hexachlorocyclopentadiene (35% @ 20%)

CC91111-BSD1 **Blank Spike recovery is below lower control limit (B-).**
4-Chloroaniline (37% @ 40-140%)

CC91111-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
4-Chloroaniline (41% @ 30%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1903180

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 030819-3 4 DG
Date Sampled: 03/08/19 09:00
Percent Solids: 93

ESS Laboratory Work Order: 1903180
ESS Laboratory Sample ID: 1903180-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.22)		6010C		1	KJK	03/13/19 3:15	2.55	100	CC91147
Arsenic	ND (2.11)		6010C		1	KJK	03/13/19 3:15	2.55	100	CC91147
Beryllium	**0.31** (0.09)		6010C		1	KJK	03/13/19 3:15	2.55	100	CC91147
Cadmium	ND (0.42)		6010C		1	KJK	03/13/19 3:15	2.55	100	CC91147
Chromium	**17.8** (0.84)		6010C		1	KJK	03/13/19 3:15	2.55	100	CC91147
Copper	**23.8** (2.11)		6010C		1	KJK	03/13/19 3:15	2.55	100	CC91147
Lead	**7.82** (4.22)		6010C		1	KJK	03/13/19 3:15	2.55	100	CC91147
Mercury	ND (0.032)		7471B		1	MKS	03/12/19 9:07	0.66	40	CC91146
Nickel	**13.9** (2.11)		6010C		1	KJK	03/13/19 3:15	2.55	100	CC91147
Selenium	ND (4.22)		6010C		1	KJK	03/13/19 3:15	2.55	100	CC91147
Silver	ND (0.42)		6010C		1	KJK	03/13/19 3:15	2.55	100	CC91147
Thallium	ND (4.22)		6010C		1	KJK	03/13/19 3:15	2.55	100	CC91147
Zinc	**37.2** (2.11)		6010C		1	KJK	03/13/19 3:15	2.55	100	CC91147

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 030819-3 4 DG
Date Sampled: 03/08/19 09:00
Percent Solids: 93
Initial Volume: 15.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1903180
ESS Laboratory Sample ID: 1903180-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1,1,1-Trichloroethane	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1,1,2,2-Tetrachloroethane	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1,1,2-Trichloroethane	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1,1-Dichloroethane	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1,1-Dichloroethene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1,1-Dichloropropene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1,2,3-Trichlorobenzene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1,2,3-Trichloropropane	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1,2,4-Trichlorobenzene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1,2,4-Trimethylbenzene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1,2-Dibromo-3-Chloropropane	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1,2-Dibromoethane	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1,2-Dichlorobenzene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1,2-Dichloroethane	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1,2-Dichloropropane	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1,3,5-Trimethylbenzene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1,3-Dichlorobenzene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1,3-Dichloropropane	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1,4-Dichlorobenzene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1,4-Dioxane	ND (0.0352)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
1-Chlorohexane	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
2,2-Dichloropropane	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
2-Butanone	ND (0.0176)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
2-Chlorotoluene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
2-Hexanone	ND (0.0176)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
4-Chlorotoluene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
4-Isopropyltoluene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
4-Methyl-2-Pentanone	ND (0.0176)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Acetone	ND (0.0176)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Benzene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Bromobenzene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 030819-3 4 DG
Date Sampled: 03/08/19 09:00
Percent Solids: 93
Initial Volume: 15.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1903180
ESS Laboratory Sample ID: 1903180-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Bromodichloromethane	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Bromoform	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Bromomethane	ND (0.0035)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Carbon Disulfide	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Carbon Tetrachloride	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Chlorobenzene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Chloroethane	ND (0.0035)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Chloroform	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Chloromethane	ND (0.0035)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
cis-1,2-Dichloroethene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
cis-1,3-Dichloropropene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Dibromochloromethane	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Dibromomethane	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Dichlorodifluoromethane	ND (0.0035)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Diethyl Ether	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Di-isopropyl ether	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Ethyl tertiary-butyl ether	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Ethylbenzene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Hexachlorobutadiene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Isopropylbenzene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Methyl tert-Butyl Ether	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Methylene Chloride	ND (0.0088)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Naphthalene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
n-Butylbenzene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
n-Propylbenzene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
sec-Butylbenzene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Styrene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
tert-Butylbenzene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Tertiary-amyl methyl ether	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Tetrachloroethene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Tetrahydrofuran	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 030819-3 4 DG
Date Sampled: 03/08/19 09:00
Percent Solids: 93
Initial Volume: 15.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1903180
ESS Laboratory Sample ID: 1903180-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
trans-1,2-Dichloroethene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
trans-1,3-Dichloropropene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Trichloroethene	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Trichlorofluoromethane	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Vinyl Acetate	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Vinyl Chloride	ND (0.0035)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Xylene O	ND (0.0018)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Xylene P,M	ND (0.0035)		8260B Low		1	03/08/19 14:55	C9C0125	CC90819
Xylenes (Total)	ND (0.0035)		8260B Low		1	03/08/19 14:55		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*121 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*101 %*		*70-130*
Surrogate: Dibromofluoromethane	*105 %*		*70-130*
Surrogate: Toluene-d8	*94 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 030819-3 4 DG
Date Sampled: 03/08/19 09:00
Percent Solids: 93
Initial Volume: 19.2
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1903180
ESS Laboratory Sample ID: 1903180-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 3/11/19 12:28

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (42.0)		8100M		1	03/11/19 15:19	C9C0143	CC91113

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	95 %		40-140

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 030819-3 4 DG
Date Sampled: 03/08/19 09:00
Percent Solids: 93
Initial Volume: 14
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1903180
ESS Laboratory Sample ID: 1903180-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 3/11/19 11:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
1,2,4-Trichlorobenzene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
1,2-Dichlorobenzene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
1,3-Dichlorobenzene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
1,4-Dichlorobenzene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
2,3,4,6-Tetrachlorophenol	ND (1.92)		8270D		1	03/12/19 15:23	C9C0159	CC91111
2,4,5-Trichlorophenol	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
2,4,6-Trichlorophenol	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
2,4-Dichlorophenol	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
2,4-Dimethylphenol	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
2,4-Dinitrophenol	ND (1.92)		8270D		1	03/12/19 15:23	C9C0159	CC91111
2,4-Dinitrotoluene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
2,6-Dinitrotoluene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
2-Chloronaphthalene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
2-Chlorophenol	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
2-Methylnaphthalene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
2-Methylphenol	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
2-Nitroaniline	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
2-Nitrophenol	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
3,3′-Dichlorobenzidine	ND (0.769)		8270D		1	03/12/19 15:23	C9C0159	CC91111
3+4-Methylphenol	ND (0.769)		8270D		1	03/12/19 15:23	C9C0159	CC91111
3-Nitroaniline	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
4,6-Dinitro-2-Methylphenol	ND (1.92)		8270D		1	03/12/19 15:23	C9C0159	CC91111
4-Bromophenyl-phenylether	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
4-Chloro-3-Methylphenol	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
4-Chloroaniline	ND (0.769)		8270D		1	03/12/19 15:23	C9C0159	CC91111
4-Chloro-phenyl-phenyl ether	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
4-Nitroaniline	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
4-Nitrophenol	ND (1.92)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Acenaphthene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Acenaphthylene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Acetophenone	ND (0.769)		8270D		1	03/12/19 15:23	C9C0159	CC91111

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 030819-3 4 DG
Date Sampled: 03/08/19 09:00
Percent Solids: 93
Initial Volume: 14
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1903180
ESS Laboratory Sample ID: 1903180-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 3/11/19 11:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.769)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Anthracene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Azobenzene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Benzo(a)anthracene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Benzo(a)pyrene	ND (0.192)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Benzo(b)fluoranthene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Benzo(g,h,i)perylene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Benzo(k)fluoranthene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Benzoic Acid	ND (1.92)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Benzyl Alcohol	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
bis(2-Chloroethoxy)methane	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
bis(2-Chloroethyl)ether	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
bis(2-chloroisopropyl)Ether	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
bis(2-Ethylhexyl)phthalate	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Butylbenzylphthalate	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Carbazole	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Chrysene	ND (0.192)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Dibenzo(a,h)Anthracene	ND (0.192)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Dibenzofuran	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Diethylphthalate	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Dimethylphthalate	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Di-n-butylphthalate	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Di-n-octylphthalate	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Fluoranthene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Fluorene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Hexachlorobenzene	ND (0.192)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Hexachlorobutadiene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Hexachlorocyclopentadiene	ND (1.92)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Hexachloroethane	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Indeno(1,2,3-cd)Pyrene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Isophorone	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Naphthalene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 030819-3 4 DG
Date Sampled: 03/08/19 09:00
Percent Solids: 93
Initial Volume: 14
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1903180
ESS Laboratory Sample ID: 1903180-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 3/11/19 11:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
N-Nitrosodimethylamine	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
N-Nitroso-Di-n-Propylamine	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
N-nitrosodiphenylamine	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Pentachlorophenol	ND (1.92)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Phenanthrene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Phenol	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Pyrene	ND (0.384)		8270D		1	03/12/19 15:23	C9C0159	CC91111
Pyridine	ND (1.92)		8270D		1	03/12/19 15:23	C9C0159	CC91111

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*66 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*106 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*80 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*73 %*		*30-130*
Surrogate: 2-Fluorophenol	*80 %*		*30-130*
Surrogate: Nitrobenzene-d5	*73 %*		*30-130*
Surrogate: Phenol-d6	*83 %*		*30-130*
Surrogate: p-Terphenyl-d14	*78 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 030819-A
Date Sampled: 03/08/19 09:00
Percent Solids: 94

ESS Laboratory Work Order: 1903180
ESS Laboratory Sample ID: 1903180-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.48)		6010C		1	KJK	03/13/19 3:21	2.14	100	CC91147

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 030819-B
Date Sampled: 03/08/19 09:00
Percent Solids: 93

ESS Laboratory Work Order: 1903180
ESS Laboratory Sample ID: 1903180-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.50)		6010C		1	KJK	03/13/19 3:49	2.15	100	CC91147

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 030819-C
Date Sampled: 03/08/19 09:00
Percent Solids: 94

ESS Laboratory Work Order: 1903180
ESS Laboratory Sample ID: 1903180-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.30)		6010C		1	KJK	03/13/19 3:53	2.32	100	CC91147

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1903180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CC91146 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	4.10	0.325	mg/kg wet	4.850		84	80-120			
LCS Dup										
Mercury	4.38	0.305	mg/kg wet	4.850		90	80-120	7	20	
Batch CC91147 - 3050B										
Blank										
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	5.00	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	32.3	19.2	mg/kg wet	42.40		76	0-228			
Arsenic	126	9.62	mg/kg wet	128.0		98	85-114			
Beryllium	211	0.42	mg/kg wet	217.0		97	84-116			
Cadmium	100	1.92	mg/kg wet	99.00		101	87-113			
Chromium	115	3.85	mg/kg wet	116.0		99	82-118			
Copper	95.6	9.62	mg/kg wet	89.60		107	83-117			
Lead	302	19.2	mg/kg wet	277.0		109	84-116			
Nickel	113	9.62	mg/kg wet	107.0		106	84-117			
Selenium	251	19.2	mg/kg wet	242.0		104	80-120			
Silver	66.2	1.92	mg/kg wet	64.30		103	86-114			
Thallium	184	19.2	mg/kg wet	183.0		100	80-120			
Zinc	547	9.62	mg/kg wet	561.0		98	86-114			
LCS Dup										
Antimony	31.9	17.5	mg/kg wet	42.40		75	0-228	1	20	
Arsenic	130	8.77	mg/kg wet	128.0		101	85-114	3	20	
Beryllium	217	0.39	mg/kg wet	217.0		100	84-116	3	20	
Cadmium	102	1.75	mg/kg wet	99.00		103	87-113	2	20	
Chromium	120	3.51	mg/kg wet	116.0		104	82-118	4	20	
Copper	98.5	8.77	mg/kg wet	89.60		110	83-117	3	20	
Lead	303	17.5	mg/kg wet	277.0		109	84-116	0.5	20	
Nickel	116	8.77	mg/kg wet	107.0		109	84-117	3	20	
Selenium	248	17.5	mg/kg wet	242.0		102	80-120	1	20	
Silver	68.2	1.75	mg/kg wet	64.30		106	86-114	3	20	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1903180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CC91147 - 3050B										
Thallium	184	17.5	mg/kg wet	183.0		101	80-120	0.3	20	
Zinc	568	8.77	mg/kg wet	561.0		101	86-114	4	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch CC90819 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1903180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CC90819 - 5035										
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0574*		mg/kg wet	*0.05000*		*115*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0471*		mg/kg wet	*0.05000*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0519*		mg/kg wet	*0.05000*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.0481*		mg/kg wet	*0.05000*		*96*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0542	0.0050	mg/kg wet	0.05000		108	70-130			
1,1,1-Trichloroethane	0.0543	0.0050	mg/kg wet	0.05000		109	70-130			
1,1,2,2-Tetrachloroethane	0.0422	0.0050	mg/kg wet	0.05000		84	70-130			
1,1,2-Trichloroethane	0.0435	0.0050	mg/kg wet	0.05000		87	70-130			
1,1-Dichloroethane	0.0450	0.0050	mg/kg wet	0.05000		90	70-130			
1,1-Dichloroethene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1903180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CC90819 - 5035										
1,1-Dichloropropene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
1,2,3-Trichlorobenzene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
1,2,3-Trichloropropane	0.0439	0.0050	mg/kg wet	0.05000		88	70-130			
1,2,4-Trichlorobenzene	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
1,2,4-Trimethylbenzene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
1,2-Dibromo-3-Chloropropane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
1,2-Dibromoethane	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
1,2-Dichlorobenzene	0.0472	0.0050	mg/kg wet	0.05000		94	70-130			
1,2-Dichloroethane	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
1,2-Dichloropropane	0.0425	0.0050	mg/kg wet	0.05000		85	70-130			
1,3,5-Trimethylbenzene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
1,3-Dichlorobenzene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
1,3-Dichloropropane	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
1,4-Dichlorobenzene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
1,4-Dioxane	0.893	0.100	mg/kg wet	1.000		89	70-130			
1-Chlorohexane	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
2,2-Dichloropropane	0.0542	0.0050	mg/kg wet	0.05000		108	70-130			
2-Butanone	0.205	0.0500	mg/kg wet	0.2500		82	70-130			
2-Chlorotoluene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130			
2-Hexanone	0.212	0.0500	mg/kg wet	0.2500		85	70-130			
4-Chlorotoluene	0.0488	0.0050	mg/kg wet	0.05000		98	70-130			
4-Isopropyltoluene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
4-Methyl-2-Pentanone	0.206	0.0500	mg/kg wet	0.2500		83	70-130			
Acetone	0.202	0.0500	mg/kg wet	0.2500		81	70-130			
Benzene	0.0449	0.0050	mg/kg wet	0.05000		90	70-130			
Bromobenzene	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
Bromochloromethane	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
Bromodichloromethane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
Bromoform	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
Bromomethane	0.0488	0.0100	mg/kg wet	0.05000		98	70-130			
Carbon Disulfide	0.0538	0.0050	mg/kg wet	0.05000		108	70-130			
Carbon Tetrachloride	0.0585	0.0050	mg/kg wet	0.05000		117	70-130			
Chlorobenzene	0.0487	0.0050	mg/kg wet	0.05000		97	70-130			
Chloroethane	0.0437	0.0100	mg/kg wet	0.05000		87	70-130			
Chloroform	0.0497	0.0050	mg/kg wet	0.05000		99	70-130			
Chloromethane	0.0460	0.0100	mg/kg wet	0.05000		92	70-130			
cis-1,2-Dichloroethene	0.0469	0.0050	mg/kg wet	0.05000		94	70-130			
cis-1,3-Dichloropropene	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
Dibromochloromethane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
Dibromomethane	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			
Dichlorodifluoromethane	0.0564	0.0100	mg/kg wet	0.05000		113	70-130			
Diethyl Ether	0.0440	0.0050	mg/kg wet	0.05000		88	70-130			
Di-isopropyl ether	0.0430	0.0050	mg/kg wet	0.05000		86	70-130			
Ethyl tertiary-butyl ether	0.0430	0.0050	mg/kg wet	0.05000		86	70-130			
Ethylbenzene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1903180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CC90819 - 5035										
Hexachlorobutadiene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			
Isopropylbenzene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
Methyl tert-Butyl Ether	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
Methylene Chloride	0.0465	0.0250	mg/kg wet	0.05000		93	70-130			
Naphthalene	0.0468	0.0050	mg/kg wet	0.05000		94	70-130			
n-Butylbenzene	0.0514	0.0050	mg/kg wet	0.05000		103	70-130			
n-Propylbenzene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
sec-Butylbenzene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
Styrene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
tert-Butylbenzene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130			
Tertiary-amyl methyl ether	0.0453	0.0050	mg/kg wet	0.05000		91	70-130			
Tetrachloroethene	0.0461	0.0050	mg/kg wet	0.05000		92	70-130			
Tetrahydrofuran	0.0399	0.0050	mg/kg wet	0.05000		80	70-130			
Toluene	0.0456	0.0050	mg/kg wet	0.05000		91	70-130			
trans-1,2-Dichloroethene	0.0453	0.0050	mg/kg wet	0.05000		91	70-130			
trans-1,3-Dichloropropene	0.0400	0.0050	mg/kg wet	0.05000		80	70-130			
Trichloroethene	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
Trichlorofluoromethane	0.0555	0.0050	mg/kg wet	0.05000		111	70-130			
Vinyl Acetate	0.0523	0.0050	mg/kg wet	0.05000		105	70-130			
Vinyl Chloride	0.0518	0.0100	mg/kg wet	0.05000		104	70-130			
Xylene O	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
Xylene P,M	0.0961	0.0100	mg/kg wet	0.1000		96	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0516*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0480*		mg/kg wet	*0.05000*		*96*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0506*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0488*		mg/kg wet	*0.05000*		*98*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0600	0.0050	mg/kg wet	0.05000		120	70-130	10	25	
1,1,1-Trichloroethane	0.0585	0.0050	mg/kg wet	0.05000		117	70-130	8	25	
1,1,2,2-Tetrachloroethane	0.0478	0.0050	mg/kg wet	0.05000		96	70-130	13	25	
1,1,2-Trichloroethane	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	13	25	
1,1-Dichloroethane	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	9	25	
1,1-Dichloroethene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130	8	25	
1,1-Dichloropropene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	7	25	
1,2,3-Trichlorobenzene	0.0552	0.0050	mg/kg wet	0.05000		110	70-130	12	25	
1,2,3-Trichloropropane	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	14	25	
1,2,4-Trichlorobenzene	0.0566	0.0050	mg/kg wet	0.05000		113	70-130	11	25	
1,2,4-Trimethylbenzene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130	10	25	
1,2-Dibromo-3-Chloropropane	0.0585	0.0050	mg/kg wet	0.05000		117	70-130	14	25	
1,2-Dibromoethane	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	14	25	
1,2-Dichlorobenzene	0.0528	0.0050	mg/kg wet	0.05000		106	70-130	11	25	
1,2-Dichloroethane	0.0569	0.0050	mg/kg wet	0.05000		114	70-130	11	25	
1,2-Dichloropropane	0.0475	0.0050	mg/kg wet	0.05000		95	70-130	11	25	
1,3,5-Trimethylbenzene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	9	25	
1,3-Dichlorobenzene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130	9	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1903180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CC90819 - 5035										
1,3-Dichloropropane	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	12	25	
1,4-Dichlorobenzene	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	9	25	
1,4-Dioxane	1.18	0.100	mg/kg wet	1.000		118	70-130	28	20	D+
1-Chlorohexane	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	9	25	
2,2-Dichloropropane	0.0585	0.0050	mg/kg wet	0.05000		117	70-130	8	25	
2-Butanone	0.235	0.0500	mg/kg wet	0.2500		94	70-130	14	25	
2-Chlorotoluene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	9	25	
2-Hexanone	0.255	0.0500	mg/kg wet	0.2500		102	70-130	18	25	
4-Chlorotoluene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	9	25	
4-Isopropyltoluene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	9	25	
4-Methyl-2-Pentanone	0.244	0.0500	mg/kg wet	0.2500		98	70-130	17	25	
Acetone	0.239	0.0500	mg/kg wet	0.2500		96	70-130	17	25	
Benzene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	9	25	
Bromobenzene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	11	25	
Bromochloromethane	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	10	25	
Bromodichloromethane	0.0570	0.0050	mg/kg wet	0.05000		114	70-130	11	25	
Bromoform	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	11	25	
Bromomethane	0.0571	0.0100	mg/kg wet	0.05000		114	70-130	16	25	
Carbon Disulfide	0.0584	0.0050	mg/kg wet	0.05000		117	70-130	8	25	
Carbon Tetrachloride	0.0629	0.0050	mg/kg wet	0.05000		126	70-130	7	25	
Chlorobenzene	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	10	25	
Chloroethane	0.0482	0.0100	mg/kg wet	0.05000		96	70-130	10	25	
Chloroform	0.0543	0.0050	mg/kg wet	0.05000		109	70-130	9	25	
Chloromethane	0.0496	0.0100	mg/kg wet	0.05000		99	70-130	7	25	
cis-1,2-Dichloroethene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	11	25	
cis-1,3-Dichloropropene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	11	25	
Dibromochloromethane	0.0528	0.0050	mg/kg wet	0.05000		106	70-130	11	25	
Dibromomethane	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	13	25	
Dichlorodifluoromethane	0.0597	0.0100	mg/kg wet	0.05000		119	70-130	6	25	
Diethyl Ether	0.0503	0.0050	mg/kg wet	0.05000		101	70-130	13	25	
Di-isopropyl ether	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	12	25	
Ethyl tertiary-butyl ether	0.0486	0.0050	mg/kg wet	0.05000		97	70-130	12	25	
Ethylbenzene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130	9	25	
Hexachlorobutadiene	0.0569	0.0050	mg/kg wet	0.05000		114	70-130	8	25	
Isopropylbenzene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	9	25	
Methyl tert-Butyl Ether	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	14	25	
Methylene Chloride	0.0510	0.0250	mg/kg wet	0.05000		102	70-130	9	25	
Naphthalene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	14	25	
n-Butylbenzene	0.0556	0.0050	mg/kg wet	0.05000		111	70-130	8	25	
n-Propylbenzene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	8	25	
sec-Butylbenzene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	8	25	
Styrene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	11	25	
tert-Butylbenzene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	9	25	
Tertiary-amyl methyl ether	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	13	25	
Tetrachloroethene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130	6	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1903180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CC90819 - 5035										
Tetrahydrofuran	0.0480	0.0050	mg/kg wet	0.05000		96	70-130	18	25	
Toluene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130	8	25	
trans-1,2-Dichloroethene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	9	25	
trans-1,3-Dichloropropene	0.0456	0.0050	mg/kg wet	0.05000		91	70-130	13	25	
Trichloroethene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130	9	25	
Trichlorofluoromethane	0.0594	0.0050	mg/kg wet	0.05000		119	70-130	7	25	
Vinyl Acetate	0.0604	0.0050	mg/kg wet	0.05000		121	70-130	14	25	
Vinyl Chloride	0.0550	0.0100	mg/kg wet	0.05000		110	70-130	6	25	
Xylene O	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	9	25	
Xylene P,M	0.106	0.0100	mg/kg wet	0.1000		106	70-130	10	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0518*		mg/kg wet	*0.05000*		*104*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0486*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0505*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0489*		mg/kg wet	*0.05000*		*98*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch CC91113 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.15*		mg/kg wet	*5.000*		*83*	*40-140*			
LCS										
Decane (C10)	1.7	0.2	mg/kg wet	2.500		68	40-140			
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Dodecane (C12)	1.9	0.2	mg/kg wet	2.500		77	40-140			
Eicosane (C20)	2.1	0.2	mg/kg wet	2.500		86	40-140			
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Hexadecane (C16)	2.0	0.2	mg/kg wet	2.500		82	40-140			
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		65	30-140			
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		85	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1903180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CC91113 - 3546										
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Tetradecane (C14)	1.9	0.2	mg/kg wet	2.500		78	40-140			
Total Petroleum Hydrocarbons	29.7	37.5	mg/kg wet	35.00		85	40-140			
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Surrogate: O-Terphenyl	*3.92*		mg/kg wet	*5.000*		*78*	*40-140*			
LCS Dup										
Decane (C10)	1.7	0.2	mg/kg wet	2.500		68	40-140	1	25	
Docosane (C22)	2.4	0.2	mg/kg wet	2.500		95	40-140	7	25	
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		79	40-140	2	25	
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		93	40-140	8	25	
Hexacosane (C26)	2.4	0.2	mg/kg wet	2.500		95	40-140	7	25	
Hexadecane (C16)	2.2	0.2	mg/kg wet	2.500		87	40-140	6	25	
Nonadecane (C19)	2.6	0.2	mg/kg wet	2.500		102	40-140	6	25	
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		65	30-140	0.2	25	
Octacosane (C28)	2.4	0.2	mg/kg wet	2.500		95	40-140	7	25	
Octadecane (C18)	2.3	0.2	mg/kg wet	2.500		90	40-140	6	25	
Tetracosane (C24)	2.4	0.2	mg/kg wet	2.500		95	40-140	7	25	
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		82	40-140	5	25	
Total Petroleum Hydrocarbons	31.1	37.5	mg/kg wet	35.00		89	40-140	5	25	
Triacontane (C30)	2.4	0.2	mg/kg wet	2.500		95	40-140	7	25	
Surrogate: O-Terphenyl	*4.13*		mg/kg wet	*5.000*		*83*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch CC91111 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1903180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CC91111 - 3546										
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1903180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CC91111 - 3546										
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.23*		mg/kg wet	*3.333*		*67*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.67*		mg/kg wet	*5.000*		*93*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.84*		mg/kg wet	*5.000*		*77*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.50*		mg/kg wet	*3.333*		*75*	*30-130*			
Surrogate: 2-Fluorophenol	*3.95*		mg/kg wet	*5.000*		*79*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.41*		mg/kg wet	*3.333*		*72*	*30-130*			
Surrogate: Phenol-d6	*3.78*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.16*		mg/kg wet	*3.333*		*95*	*30-130*			
LCS										
1,1-Biphenyl	2.24	0.333	mg/kg wet	3.333		67	40-140			
1,2,4-Trichlorobenzene	2.29	0.333	mg/kg wet	3.333		69	40-140			
1,2-Dichlorobenzene	2.16	0.333	mg/kg wet	3.333		65	40-140			
1,3-Dichlorobenzene	2.18	0.333	mg/kg wet	3.333		65	40-140			
1,4-Dichlorobenzene	2.16	0.333	mg/kg wet	3.333		65	40-140			
2,3,4,6-Tetrachlorophenol	3.01	1.67	mg/kg wet	3.333		90	30-130			
2,4,5-Trichlorophenol	2.83	0.333	mg/kg wet	3.333		85	30-130			
2,4,6-Trichlorophenol	2.72	0.333	mg/kg wet	3.333		82	30-130			
2,4-Dichlorophenol	2.52	0.333	mg/kg wet	3.333		76	30-130			
2,4-Dimethylphenol	2.30	0.333	mg/kg wet	3.333		69	30-130			
2,4-Dinitrophenol	2.98	1.67	mg/kg wet	3.333		89	30-130			
2,4-Dinitrotoluene	2.73	0.333	mg/kg wet	3.333		82	40-140			
2,6-Dinitrotoluene	2.72	0.333	mg/kg wet	3.333		82	40-140			
2-Chloronaphthalene	2.20	0.333	mg/kg wet	3.333		66	40-140			
2-Chlorophenol	2.34	0.333	mg/kg wet	3.333		70	30-130			
2-Methylnaphthalene	2.20	0.333	mg/kg wet	3.333		66	40-140			
2-Methylphenol	2.32	0.333	mg/kg wet	3.333		70	30-130			
2-Nitroaniline	2.40	0.333	mg/kg wet	3.333		72	40-140			
2-Nitrophenol	2.24	0.333	mg/kg wet	3.333		67	30-130			
3,3´-Dichlorobenzidine	2.77	0.667	mg/kg wet	2.667		104	40-140			
3+4-Methylphenol	4.75	0.667	mg/kg wet	6.667		71	30-130			
3-Nitroaniline	2.67	0.333	mg/kg wet	3.333		80	40-140			
4,6-Dinitro-2-Methylphenol	2.96	1.67	mg/kg wet	3.333		89	30-130			
4-Bromophenyl-phenylether	2.92	0.333	mg/kg wet	3.333		87	40-140			
4-Chloro-3-Methylphenol	2.35	0.333	mg/kg wet	3.333		70	30-130			
4-Chloroaniline	1.86	0.667	mg/kg wet	3.333		56	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1903180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CC91111 - 3546										
4-Chloro-phenyl-phenyl ether	2.64	0.333	mg/kg wet	3.333		79	40-140			
4-Nitroaniline	2.67	0.333	mg/kg wet	3.333		80	40-140			
4-Nitrophenol	2.57	1.67	mg/kg wet	3.333		77	30-130			
Acenaphthene	2.25	0.333	mg/kg wet	3.333		67	40-140			
Acenaphthylene	2.20	0.333	mg/kg wet	3.333		66	40-140			
Acetophenone	2.17	0.667	mg/kg wet	3.333		65	40-140			
Aniline	1.95	0.667	mg/kg wet	3.333		59	40-140			
Anthracene	2.66	0.333	mg/kg wet	3.333		80	40-140			
Azobenzene	2.46	0.333	mg/kg wet	3.333		74	40-140			
Benzo(a)anthracene	2.86	0.333	mg/kg wet	3.333		86	40-140			
Benzo(a)pyrene	2.68	0.167	mg/kg wet	3.333		80	40-140			
Benzo(b)fluoranthene	2.80	0.333	mg/kg wet	3.333		84	40-140			
Benzo(g,h,i)perylene	2.74	0.333	mg/kg wet	3.333		82	40-140			
Benzo(k)fluoranthene	2.74	0.333	mg/kg wet	3.333		82	40-140			
Benzoic Acid	2.74	1.67	mg/kg wet	3.333		82	40-140			
Benzyl Alcohol	2.08	0.333	mg/kg wet	3.333		62	40-140			
bis(2-Chloroethoxy)methane	2.31	0.333	mg/kg wet	3.333		69	40-140			
bis(2-Chloroethyl)ether	2.25	0.333	mg/kg wet	3.333		67	40-140			
bis(2-chloroisopropyl)Ether	2.02	0.333	mg/kg wet	3.333		60	40-140			
bis(2-Ethylhexyl)phthalate	3.06	0.333	mg/kg wet	3.333		92	40-140			
Butylbenzylphthalate	3.01	0.333	mg/kg wet	3.333		90	40-140			
Carbazole	2.77	0.333	mg/kg wet	3.333		83	40-140			
Chrysene	2.91	0.167	mg/kg wet	3.333		87	40-140			
Dibenzo(a,h)Anthracene	2.73	0.167	mg/kg wet	3.333		82	40-140			
Dibenzofuran	2.39	0.333	mg/kg wet	3.333		72	40-140			
Diethylphthalate	2.72	0.333	mg/kg wet	3.333		82	40-140			
Dimethylphthalate	2.62	0.333	mg/kg wet	3.333		79	40-140			
Di-n-butylphthalate	2.81	0.333	mg/kg wet	3.333		84	40-140			
Di-n-octylphthalate	2.72	0.333	mg/kg wet	3.333		82	40-140			
Fluoranthene	2.74	0.333	mg/kg wet	3.333		82	40-140			
Fluorene	2.54	0.333	mg/kg wet	3.333		76	40-140			
Hexachlorobenzene	2.88	0.167	mg/kg wet	3.333		86	40-140			
Hexachlorobutadiene	2.24	0.333	mg/kg wet	3.333		67	40-140			
Hexachlorocyclopentadiene	2.10	1.67	mg/kg wet	3.333		63	40-140			
Hexachloroethane	1.97	0.333	mg/kg wet	3.333		59	40-140			
Indeno(1,2,3-cd)Pyrene	2.75	0.333	mg/kg wet	3.333		83	40-140			
Isophorone	1.97	0.333	mg/kg wet	3.333		59	40-140			
Naphthalene	2.21	0.333	mg/kg wet	3.333		66	40-140			
Nitrobenzene	2.22	0.333	mg/kg wet	3.333		66	40-140			
N-Nitrosodimethylamine	1.76	0.333	mg/kg wet	3.333		53	40-140			
N-Nitroso-Di-n-Propylamine	2.06	0.333	mg/kg wet	3.333		62	40-140			
N-nitrosodiphenylamine	2.79	0.333	mg/kg wet	3.333		84	40-140			
Pentachlorophenol	3.67	1.67	mg/kg wet	3.333		110	30-130			
Phenanthrene	2.64	0.333	mg/kg wet	3.333		79	40-140			
Phenol	2.30	0.333	mg/kg wet	3.333		69	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1903180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CC91111 - 3546										
Pyrene	3.03	0.333	mg/kg wet	3.333		91	40-140			
Pyridine	1.63	1.67	mg/kg wet	3.333		49	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.20*		mg/kg wet	*3.333*		*66*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*5.33*		mg/kg wet	*5.000*		*107*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.88*		mg/kg wet	*5.000*		*78*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.47*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*3.95*		mg/kg wet	*5.000*		*79*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.35*		mg/kg wet	*3.333*		*71*	*30-130*			
Surrogate: Phenol-d6	*3.88*		mg/kg wet	*5.000*		*78*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.08*		mg/kg wet	*3.333*		*92*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.10	0.333	mg/kg wet	3.333		63	40-140	6	30	
1,2,4-Trichlorobenzene	2.15	0.333	mg/kg wet	3.333		64	40-140	6	30	
1,2-Dichlorobenzene	1.98	0.333	mg/kg wet	3.333		60	40-140	8	30	
1,3-Dichlorobenzene	1.97	0.333	mg/kg wet	3.333		59	40-140	10	30	
1,4-Dichlorobenzene	1.97	0.333	mg/kg wet	3.333		59	40-140	9	30	
2,3,4,6-Tetrachlorophenol	2.80	1.67	mg/kg wet	3.333		84	30-130	7	30	
2,4,5-Trichlorophenol	2.66	0.333	mg/kg wet	3.333		80	30-130	6	30	
2,4,6-Trichlorophenol	2.57	0.333	mg/kg wet	3.333		77	30-130	6	30	
2,4-Dichlorophenol	2.36	0.333	mg/kg wet	3.333		71	30-130	7	30	
2,4-Dimethylphenol	2.14	0.333	mg/kg wet	3.333		64	30-130	7	30	
2,4-Dinitrophenol	2.72	1.67	mg/kg wet	3.333		82	30-130	9	30	
2,4-Dinitrotoluene	2.55	0.333	mg/kg wet	3.333		77	40-140	7	30	
2,6-Dinitrotoluene	2.51	0.333	mg/kg wet	3.333		75	40-140	8	30	
2-Chloronaphthalene	2.08	0.333	mg/kg wet	3.333		62	40-140	6	30	
2-Chlorophenol	2.11	0.333	mg/kg wet	3.333		63	30-130	10	30	
2-Methylnaphthalene	2.05	0.333	mg/kg wet	3.333		62	40-140	7	30	
2-Methylphenol	2.09	0.333	mg/kg wet	3.333		63	30-130	10	30	
2-Nitroaniline	2.25	0.333	mg/kg wet	3.333		67	40-140	7	30	
2-Nitrophenol	2.08	0.333	mg/kg wet	3.333		62	30-130	8	30	
3,3´-Dichlorobenzidine	2.13	0.667	mg/kg wet	2.667		80	40-140	26	30	
3+4-Methylphenol	4.28	0.667	mg/kg wet	6.667		64	30-130	10	30	
3-Nitroaniline	2.30	0.333	mg/kg wet	3.333		69	40-140	15	30	
4,6-Dinitro-2-Methylphenol	2.84	1.67	mg/kg wet	3.333		85	30-130	4	30	
4-Bromophenyl-phenylether	2.81	0.333	mg/kg wet	3.333		84	40-140	4	30	
4-Chloro-3-Methylphenol	2.22	0.333	mg/kg wet	3.333		67	30-130	6	30	
4-Chloroaniline	1.23	0.667	mg/kg wet	3.333		37	40-140	41	30	B-, D+
4-Chloro-phenyl-phenyl ether	2.51	0.333	mg/kg wet	3.333		75	40-140	5	30	
4-Nitroaniline	2.36	0.333	mg/kg wet	3.333		71	40-140	12	30	
4-Nitrophenol	2.44	1.67	mg/kg wet	3.333		73	30-130	5	30	
Acenaphthene	2.11	0.333	mg/kg wet	3.333		63	40-140	6	30	
Acenaphthylene	2.08	0.333	mg/kg wet	3.333		62	40-140	6	30	
Acetophenone	1.95	0.667	mg/kg wet	3.333		59	40-140	11	30	
Aniline	1.56	0.667	mg/kg wet	3.333		47	40-140	23	30	
Anthracene	2.52	0.333	mg/kg wet	3.333		75	40-140	6	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1903180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CC91111 - 3546										
Azobenzene	2.37	0.333	mg/kg wet	3.333		71	40-140	4	30	
Benzo(a)anthracene	2.71	0.333	mg/kg wet	3.333		81	40-140	5	30	
Benzo(a)pyrene	2.55	0.167	mg/kg wet	3.333		77	40-140	5	30	
Benzo(b)fluoranthene	2.72	0.333	mg/kg wet	3.333		81	40-140	3	30	
Benzo(g,h,i)perylene	2.56	0.333	mg/kg wet	3.333		77	40-140	7	30	
Benzo(k)fluoranthene	2.46	0.333	mg/kg wet	3.333		74	40-140	11	30	
Benzoic Acid	2.71	1.67	mg/kg wet	3.333		81	40-140	1	30	
Benzyl Alcohol	1.65	0.333	mg/kg wet	3.333		49	40-140	23	30	
bis(2-Chloroethoxy)methane	2.14	0.333	mg/kg wet	3.333		64	40-140	8	30	
bis(2-Chloroethyl)ether	2.04	0.333	mg/kg wet	3.333		61	40-140	10	30	
bis(2-chloroisopropyl)Ether	1.86	0.333	mg/kg wet	3.333		56	40-140	8	30	
bis(2-Ethylhexyl)phthalate	2.85	0.333	mg/kg wet	3.333		85	40-140	7	30	
Butylbenzylphthalate	2.76	0.333	mg/kg wet	3.333		83	40-140	9	30	
Carbazole	2.60	0.333	mg/kg wet	3.333		78	40-140	6	30	
Chrysene	2.72	0.167	mg/kg wet	3.333		82	40-140	7	30	
Dibenzo(a,h)Anthracene	2.58	0.167	mg/kg wet	3.333		77	40-140	6	30	
Dibenzofuran	2.28	0.333	mg/kg wet	3.333		68	40-140	5	30	
Diethylphthalate	2.56	0.333	mg/kg wet	3.333		77	40-140	6	30	
Dimethylphthalate	2.47	0.333	mg/kg wet	3.333		74	40-140	6	30	
Di-n-butylphthalate	2.69	0.333	mg/kg wet	3.333		81	40-140	5	30	
Di-n-octylphthalate	2.50	0.333	mg/kg wet	3.333		75	40-140	8	30	
Fluoranthene	2.59	0.333	mg/kg wet	3.333		78	40-140	6	30	
Fluorene	2.41	0.333	mg/kg wet	3.333		72	40-140	5	30	
Hexachlorobenzene	2.75	0.167	mg/kg wet	3.333		82	40-140	5	30	
Hexachlorobutadiene	2.10	0.333	mg/kg wet	3.333		63	40-140	6	30	
Hexachlorocyclopentadiene	1.93	1.67	mg/kg wet	3.333		58	40-140	8	30	
Hexachloroethane	1.80	0.333	mg/kg wet	3.333		54	40-140	9	30	
Indeno(1,2,3-cd)Pyrene	2.57	0.333	mg/kg wet	3.333		77	40-140	7	30	
Isophorone	1.82	0.333	mg/kg wet	3.333		55	40-140	8	30	
Naphthalene	2.06	0.333	mg/kg wet	3.333		62	40-140	7	30	
Nitrobenzene	2.08	0.333	mg/kg wet	3.333		62	40-140	6	30	
N-Nitrosodimethylamine	1.60	0.333	mg/kg wet	3.333		48	40-140	10	30	
N-Nitroso-Di-n-Propylamine	1.88	0.333	mg/kg wet	3.333		56	40-140	9	30	
N-nitrosodiphenylamine	2.65	0.333	mg/kg wet	3.333		79	40-140	5	30	
Pentachlorophenol	3.52	1.67	mg/kg wet	3.333		106	30-130	4	30	
Phenanthrene	2.51	0.333	mg/kg wet	3.333		75	40-140	5	30	
Phenol	2.05	0.333	mg/kg wet	3.333		61	30-130	12	30	
Pyrene	2.79	0.333	mg/kg wet	3.333		84	40-140	8	30	
Pyridine	1.51	1.67	mg/kg wet	3.333		45	40-140	8	30	
Surrogate: 1,2-Dichlorobenzene-d4	*1.93*		mg/kg wet	*3.333*		*58*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.86*		mg/kg wet	*5.000*		*97*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.44*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.25*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: 2-Fluorophenol	*3.51*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.11*		mg/kg wet	*3.333*		*63*	*30-130*			
Surrogate: Phenol-d6	*3.42*		mg/kg wet	*5.000*		*68*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1903180

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CC91111 - 3546										
Surrogate: p-Terphenyl-d14	*2.76*		mg/kg wet	*3.333*		*83*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1903180

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
D+	Relative percent difference for duplicate is outside of criteria (D+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1903180

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/HDM

Shipped/Delivered Via: Client

ESS Project ID: 1903180
Date Received: 3/8/2019
Project Due Date: 3/15/2019
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 6.8 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? Yes / (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? Yes / (No)
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA
13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: Time: By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / (No)
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608.3 Pesticides)
01	321907	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
01	321908	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	321909	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
01	321913	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
01	321914	Yes	NA	Yes	VOA Vial - Other	Other	
01	321915	Yes	NA	Yes	VOA Vial - Other	Other	
02	321957	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
03	321956	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
04	321955	Yes	NA	Yes	4 oz. Jar - Unpres	NP	

2nd Review
All containers scanned into storage/lab
Are barcode labels on correct containers? Initials:
Are all necessary stickers attached? (Yes) / No
(Yes) / No

Completed By: Date & Time: 3/8/19 12:26
Reviewed By: Date & Time: 3/8/19 12:27
Delivered By: 3/8/19 12:33

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1903180

Turn Time: 5 Days
Regulatory State: RI
Is this project for any of the following?: ○ CT RCP ○ MA MCP ○ RGP
Reporting Limits:
Electonic Deliverables: ☒ Data Checker ☒ Excel ☒ Other (Please Specify –) PDF

Company Name: GZA
Contact Person: LUCAS WITHERS
Project #: 33554.04 Task 6.2 (mL)
Project Name: GAZ ALLENS AVE
Address: 188 VALLEY ST SUITE 300
City: PROVIDENCE
State: RI
Zip Code: 02909
PO #:
Telephone Number: (603) 325-1825
FAX Number:
Email Address: lucas.withers@gza.com

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis: VOCs (8260B)	SVOCs (8270D)	TPH (8100M)	RP-13 metals	Arsenic	% Solids
1	3/8/19	0900	Composite	Soil	030819-3/4 DG	X	X	X	X	X	X
2	3/8/19	0900	Grab	Soil	030819- A					X	
3	3/8/19	0900	Grab	Soil	030819- B					X	
4	3/8/19	0900	Grab	Soil	030819- C					X	

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial — V | V | PG | AG | HG | AG
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other* — 7 | 7 | 10 | 10 | 9 | 8
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other* — 6 | 6 | 1 | 1 | 1 | 1
Number of Containers per Sample: 1 | 2 | 1 | 1 | 3 | 1

Laboratory Use Only
Cooler Present: ✓ ① Drop Off
Seals Intact: — ○ Pickup
Cooler Temperature: 6.8 °C ice

Sampled by: CHARLES LINDNER

Comments: Please specify "Other" preservative and containers types in this space

NATIONAL GRID RATES APPLY

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
3/8/19 0950	3/8/19 0950		
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1903180

Turn Time	5	Days
Regulatory State	RI	
Is this project for any of the following?:	○ CT RCP ○ MA MCP ○ RGP	
Reporting Limits		
Electonic Deliverables	☒ Data Checker ☒ Excel ☒ Other (Please Specify →) PDF	

Company Name: GZA	Project #: 33554.04 Task 6.2	Project Name: 682 ALLENS AVE	
Contact Person: LUCIAS WITHERS		Address: 188 VALLEY ST. SUITE 300	
City: PROVIDENCE	State: RI	Zip Code: 02909	PO #:
Telephone Number: (603) 325-1825	FAX Number:	Email Address: lucas.withers@gza.com	

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis: VOCs (8260B)	SVOCs (8270D)	TPH (8100 m)	PP-13 metals	Arsenic	% Solids
1	3/8/19	0900	Composite	Soil	030819-3/4 DG	X	X	X	X	X	X

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial — V V AG AG AG AG
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other* — 7 7 10 10 9 8
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other* — 6 6 1 1 1 1
Number of Containers per Sample: 1 2 1 1 3 1

Laboratory Use Only

Cooler Present: ✓ ① Drop Off
Seals Intact: — ○ Pickup
Cooler Temperature: 0.8 °C ice

Sampled by: CHARLES LINDNER

Comments: Please specify "Other" preservative and containers types in this space

NATIONAL GRID RATES APPLY

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
3/8/19 0950	3/8/19 0950		
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

CERTIFICATE OF ANALYSIS

Sophia Narkiewicz
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: 642 Allens Ave (03.0033554.04)
ESS Laboratory Work Order Number: 1904250

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 4:20 pm, Apr 09, 2019

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1904250

SAMPLE RECEIPT

The following samples were received on April 08, 2019 for the analyses specified on the enclosed Chain of Custody Record.

The cooler temperature was not within the acceptance limit of <6°C, however, samples were delivered on ice and therefore meet regulatory criteria.

Low Level VOA vials were frozen by ESS Laboratory on April 8, 2019 at 14:28.

Lab Number	Sample Name	Matrix	Analysis
1904250-01	040819-Comp	Soil	6010C, 7471B, 8100M, 8260B Low, 8270D
1904250-02	040819-A	Soil	6010C
1904250-03	040819-B	Soil	6010C
1904250-04	040819-C	Soil	6010C

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1904250

PROJECT NARRATIVE

8270D Semi-Volatile Organic Compounds

C9D0123-CCV1	**Calibration required quadratic regression (Q).**	2,4-Dinitrophenol (113% @ 80-120%), 4,6-Dinitro-2-Methylphenol (110% @ 80-120%), Benzoic Acid (101% @ 80-120%)
C9D0123-CCV1	**Continuing Calibration %Diff/Drift is above control limit (CD+).**	2,3,4,6-Tetrachlorophenol (21% @ 20%), Hexachlorocyclopentadiene (26% @ 20%)
C9D0123-CCV1	**Initial Calibration Verification recovery is above upper control limit (ICV+).**	Pentachlorophenol
C9D0123-CCV1	**Initial Calibration Verification recovery is below lower control limit (ICV-).**	4-Chloroaniline

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1904250

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 040819-Comp
Date Sampled: 04/08/19 12:50
Percent Solids: 95

ESS Laboratory Work Order: 1904250
ESS Laboratory Sample ID: 1904250-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (3.66)		6010C		1	KJK	04/09/19 0:57	2.88	100	CD90842
Arsenic	ND (1.83)		6010C		1	KJK	04/09/19 0:57	2.88	100	CD90842
Beryllium	**0.25** (0.08)		6010C		1	KJK	04/09/19 0:57	2.88	100	CD90842
Cadmium	ND (0.37)		6010C		1	KJK	04/09/19 0:57	2.88	100	CD90842
Chromium	**3.93** (0.73)		6010C		1	KJK	04/09/19 0:57	2.88	100	CD90842
Copper	**16.1** (1.83)		6010C		1	KJK	04/09/19 0:57	2.88	100	CD90842
Lead	ND (3.66)		6010C		1	KJK	04/09/19 0:57	2.88	100	CD90842
Mercury	ND (0.029)		7471B		1	MKS	04/09/19 11:55	0.71	40	CD90844
Nickel	**5.30** (1.83)		6010C		1	KJK	04/09/19 0:57	2.88	100	CD90842
Selenium	ND (3.66)		6010C		1	KJK	04/09/19 0:57	2.88	100	CD90842
Silver	ND (0.37)		6010C		1	KJK	04/09/19 0:57	2.88	100	CD90842
Thallium	ND (3.66)		6010C		1	KJK	04/09/19 0:57	2.88	100	CD90842
Zinc	**24.3** (1.83)		6010C		1	KJK	04/09/19 0:57	2.88	100	CD90842

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 040819-Comp
Date Sampled: 04/08/19 12:50
Percent Solids: 95
Initial Volume: 10
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1904250
ESS Laboratory Sample ID: 1904250-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1,1,1-Trichloroethane	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1,1,2,2-Tetrachloroethane	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1,1,2-Trichloroethane	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1,1-Dichloroethane	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1,1-Dichloroethene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1,1-Dichloropropene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1,2,3-Trichlorobenzene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1,2,3-Trichloropropane	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1,2,4-Trichlorobenzene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1,2,4-Trimethylbenzene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1,2-Dibromo-3-Chloropropane	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1,2-Dibromoethane	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1,2-Dichlorobenzene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1,2-Dichloroethane	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1,2-Dichloropropane	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1,3,5-Trimethylbenzene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1,3-Dichlorobenzene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1,3-Dichloropropane	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1,4-Dichlorobenzene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1,4-Dioxane	ND (0.0526)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
1-Chlorohexane	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
2,2-Dichloropropane	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
2-Butanone	ND (0.0263)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
2-Chlorotoluene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
2-Hexanone	ND (0.0263)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
4-Chlorotoluene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
4-Isopropyltoluene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
4-Methyl-2-Pentanone	ND (0.0263)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Acetone	ND (0.0263)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Benzene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Bromobenzene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 040819-Comp
Date Sampled: 04/08/19 12:50
Percent Solids: 95
Initial Volume: 10
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1904250
ESS Laboratory Sample ID: 1904250-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Bromodichloromethane	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Bromoform	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Bromomethane	ND (0.0053)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Carbon Disulfide	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Carbon Tetrachloride	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Chlorobenzene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Chloroethane	ND (0.0053)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Chloroform	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Chloromethane	ND (0.0053)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
cis-1,2-Dichloroethene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
cis-1,3-Dichloropropene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Dibromochloromethane	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Dibromomethane	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Dichlorodifluoromethane	ND (0.0053)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Diethyl Ether	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Di-isopropyl ether	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Ethyl tertiary-butyl ether	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Ethylbenzene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Hexachlorobutadiene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Isopropylbenzene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Methyl tert-Butyl Ether	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Methylene Chloride	ND (0.0132)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Naphthalene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
n-Butylbenzene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
n-Propylbenzene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
sec-Butylbenzene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Styrene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
tert-Butylbenzene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Tertiary-amyl methyl ether	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Tetrachloroethene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Tetrahydrofuran	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 040819-Comp
Date Sampled: 04/08/19 12:50
Percent Solids: 95
Initial Volume: 10
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1904250
ESS Laboratory Sample ID: 1904250-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
trans-1,2-Dichloroethene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
trans-1,3-Dichloropropene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Trichloroethene	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Trichlorofluoromethane	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Vinyl Acetate	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Vinyl Chloride	ND (0.0053)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Xylene O	ND (0.0026)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Xylene P,M	ND (0.0053)		8260B Low		1	04/09/19 14:27	C9D0158	CD90917
Xylenes (Total)	ND (0.0053)		8260B Low		1	04/09/19 14:27		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*106 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*101 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 040819-Comp
Date Sampled: 04/08/19 12:50
Percent Solids: 95
Initial Volume: 20.4
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1904250
ESS Laboratory Sample ID: 1904250-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 4/8/19 15:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (38.7)		8100M		1	04/08/19 19:40	C9D0142	CD90810

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*75 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 040819-Comp
Date Sampled: 04/08/19 12:50
Percent Solids: 95
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1904250
ESS Laboratory Sample ID: 1904250-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/8/19 15:05

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
1,2,4-Trichlorobenzene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
1,2-Dichlorobenzene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
1,3-Dichlorobenzene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
1,4-Dichlorobenzene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
2,3,4,6-Tetrachlorophenol	ND (1.77)		8270D		1	04/08/19 20:39	C9D0123	CD90809
2,4,5-Trichlorophenol	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
2,4,6-Trichlorophenol	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
2,4-Dichlorophenol	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
2,4-Dimethylphenol	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
2,4-Dinitrophenol	ND (1.77)		8270D		1	04/08/19 20:39	C9D0123	CD90809
2,4-Dinitrotoluene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
2,6-Dinitrotoluene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
2-Chloronaphthalene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
2-Chlorophenol	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
2-Methylnaphthalene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
2-Methylphenol	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
2-Nitroaniline	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
2-Nitrophenol	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
3,3′-Dichlorobenzidine	ND (0.707)		8270D		1	04/08/19 20:39	C9D0123	CD90809
3+4-Methylphenol	ND (0.707)		8270D		1	04/08/19 20:39	C9D0123	CD90809
3-Nitroaniline	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
4,6-Dinitro-2-Methylphenol	ND (1.77)		8270D		1	04/08/19 20:39	C9D0123	CD90809
4-Bromophenyl-phenylether	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
4-Chloro-3-Methylphenol	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
4-Chloroaniline	ND (0.707)		8270D		1	04/08/19 20:39	C9D0123	CD90809
4-Chloro-phenyl-phenyl ether	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
4-Nitroaniline	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
4-Nitrophenol	ND (1.77)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Acenaphthene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Acenaphthylene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Acetophenone	ND (0.707)		8270D		1	04/08/19 20:39	C9D0123	CD90809

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 040819-Comp
Date Sampled: 04/08/19 12:50
Percent Solids: 95
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1904250
ESS Laboratory Sample ID: 1904250-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/8/19 15:05

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.707)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Anthracene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Azobenzene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Benzo(a)anthracene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Benzo(a)pyrene	ND (0.177)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Benzo(b)fluoranthene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Benzo(g,h,i)perylene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Benzo(k)fluoranthene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Benzoic Acid	ND (1.77)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Benzyl Alcohol	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
bis(2-Chloroethoxy)methane	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
bis(2-Chloroethyl)ether	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
bis(2-chloroisopropyl)Ether	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
bis(2-Ethylhexyl)phthalate	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Butylbenzylphthalate	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Carbazole	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Chrysene	ND (0.177)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Dibenzo(a,h)Anthracene	ND (0.177)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Dibenzofuran	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Diethylphthalate	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Dimethylphthalate	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Di-n-butylphthalate	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Di-n-octylphthalate	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Fluoranthene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Fluorene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Hexachlorobenzene	ND (0.177)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Hexachlorobutadiene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Hexachlorocyclopentadiene	ND (1.77)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Hexachloroethane	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Indeno(1,2,3-cd)Pyrene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Isophorone	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Naphthalene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 040819-Comp
Date Sampled: 04/08/19 12:50
Percent Solids: 95
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1904250
ESS Laboratory Sample ID: 1904250-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/8/19 15:05

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
N-Nitrosodimethylamine	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
N-Nitroso-Di-n-Propylamine	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
N-nitrosodiphenylamine	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Pentachlorophenol	ND (1.77)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Phenanthrene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Phenol	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Pyrene	ND (0.353)		8270D		1	04/08/19 20:39	C9D0123	CD90809
Pyridine	ND (1.77)		8270D		1	04/08/19 20:39	C9D0123	CD90809

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*63 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*83 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*68 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*68 %*		*30-130*
Surrogate: 2-Fluorophenol	*68 %*		*30-130*
Surrogate: Nitrobenzene-d5	*64 %*		*30-130*
Surrogate: Phenol-d6	*66 %*		*30-130*
Surrogate: p-Terphenyl-d14	*70 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 040819-A
Date Sampled: 04/08/19 12:50
Percent Solids: 95

ESS Laboratory Work Order: 1904250
ESS Laboratory Sample ID: 1904250-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.11)		6010C		1	KJK	04/09/19 1:01	2.5	100	CD90842

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 040819-B
Date Sampled: 04/08/19 12:50
Percent Solids: 95

ESS Laboratory Work Order: 1904250
ESS Laboratory Sample ID: 1904250-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (1.83)		6010C		1	KJK	04/09/19 1:05	2.87	100	CD90842

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: 040819-C
Date Sampled: 04/08/19 12:50
Percent Solids: 95

ESS Laboratory Work Order: 1904250
ESS Laboratory Sample ID: 1904250-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.19)		6010C		1	KJK	04/09/19 1:09	2.41	100	CD90842

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1904250

Quality Control Data

Total Metals

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch CD90842 - 3050B										
Blank										
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50	mg/kg wet							
Beryllium	ND	0.11	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Copper	ND	2.50	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Nickel	ND	2.50	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	5.00	mg/kg wet							
Zinc	ND	2.50	mg/kg wet							
LCS										
Antimony	33.9	19.6	mg/kg wet	42.40		80	40-160			
Arsenic	120	9.80	mg/kg wet	128.0		93	85-114			
Beryllium	199	0.43	mg/kg wet	217.0		92	84-116			
Cadmium	87.3	1.96	mg/kg wet	99.00		88	87-113			
Chromium	110	3.92	mg/kg wet	116.0		95	82-118			
Copper	84.4	9.80	mg/kg wet	89.60		94	83-117			
Lead	280	19.6	mg/kg wet	277.0		101	84-116			
Nickel	104	9.80	mg/kg wet	107.0		97	84-117			
Selenium	223	19.6	mg/kg wet	242.0		92	80-120			
Silver	60.4	1.96	mg/kg wet	64.30		94	86-114			
Thallium	175	19.6	mg/kg wet	183.0		96	80-120			
Zinc	525	9.80	mg/kg wet	561.0		94	86-114			
LCS Dup										
Antimony	32.5	19.6	mg/kg wet	42.40		77	40-160	4	20	
Arsenic	116	9.80	mg/kg wet	128.0		91	85-114	3	20	
Beryllium	193	0.43	mg/kg wet	217.0		89	84-116	3	20	
Cadmium	85.9	1.96	mg/kg wet	99.00		87	87-113	2	20	
Chromium	107	3.92	mg/kg wet	116.0		92	82-118	3	20	
Copper	84.7	9.80	mg/kg wet	89.60		95	83-117	0.4	20	
Lead	274	19.6	mg/kg wet	277.0		99	84-116	2	20	
Nickel	101	9.80	mg/kg wet	107.0		95	84-117	2	20	
Selenium	215	19.6	mg/kg wet	242.0		89	80-120	4	20	
Silver	59.4	1.96	mg/kg wet	64.30		92	86-114	2	20	
Thallium	174	19.6	mg/kg wet	183.0		95	80-120	0.5	20	
Zinc	517	9.80	mg/kg wet	561.0		92	86-114	2	20	
Batch CD90844 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	3.71	0.367	mg/kg wet	4.850		76	50-103			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1904250

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CD90844 - 7471B										
LCS Dup										
Mercury	4.14	0.374	mg/kg wet	4.850		85	50-103	11	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch CD90917 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1904250

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CD90917 - 5035										
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0490*		mg/kg wet	*0.05000*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0483*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0474*		mg/kg wet	*0.05000*		*95*	*70-130*			
Surrogate: Toluene-d8	*0.0492*		mg/kg wet	*0.05000*		*98*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0464	0.0050	mg/kg wet	0.05000		93	70-130			
1,1,1-Trichloroethane	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
1,1,2,2-Tetrachloroethane	0.0450	0.0050	mg/kg wet	0.05000		90	70-130			
1,1,2-Trichloroethane	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
1,1-Dichloroethane	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
1,1-Dichloroethene	0.0521	0.0050	mg/kg wet	0.05000		104	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CD90917 - 5035										
1,1-Dichloropropene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
1,2,3-Trichlorobenzene	0.0487	0.0050	mg/kg wet	0.05000		97	70-130			
1,2,3-Trichloropropane	0.0458	0.0050	mg/kg wet	0.05000		92	70-130			
1,2,4-Trichlorobenzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
1,2,4-Trimethylbenzene	0.0514	0.0050	mg/kg wet	0.05000		103	70-130			
1,2-Dibromo-3-Chloropropane	0.0419	0.0050	mg/kg wet	0.05000		84	70-130			
1,2-Dibromoethane	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
1,2-Dichlorobenzene	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
1,2-Dichloroethane	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
1,2-Dichloropropane	0.0466	0.0050	mg/kg wet	0.05000		93	70-130			
1,3,5-Trimethylbenzene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
1,3-Dichlorobenzene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
1,3-Dichloropropane	0.0487	0.0050	mg/kg wet	0.05000		97	70-130			
1,4-Dichlorobenzene	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
1,4-Dioxane	0.897	0.100	mg/kg wet	1.000		90	70-130			
1-Chlorohexane	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			
2,2-Dichloropropane	0.0532	0.0050	mg/kg wet	0.05000		106	70-130			
2-Butanone	0.225	0.0500	mg/kg wet	0.2500		90	70-130			
2-Chlorotoluene	0.0487	0.0050	mg/kg wet	0.05000		97	70-130			
2-Hexanone	0.233	0.0500	mg/kg wet	0.2500		93	70-130			
4-Chlorotoluene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
4-Isopropyltoluene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
4-Methyl-2-Pentanone	0.227	0.0500	mg/kg wet	0.2500		91	70-130			
Acetone	0.200	0.0500	mg/kg wet	0.2500		80	70-130			
Benzene	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
Bromobenzene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
Bromochloromethane	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
Bromodichloromethane	0.0452	0.0050	mg/kg wet	0.05000		90	70-130			
Bromoform	0.0468	0.0050	mg/kg wet	0.05000		94	70-130			
Bromomethane	0.0467	0.0100	mg/kg wet	0.05000		93	70-130			
Carbon Disulfide	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
Carbon Tetrachloride	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
Chlorobenzene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130			
Chloroethane	0.0435	0.0100	mg/kg wet	0.05000		87	70-130			
Chloroform	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
Chloromethane	0.0488	0.0100	mg/kg wet	0.05000		98	70-130			
cis-1,2-Dichloroethene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
cis-1,3-Dichloropropene	0.0449	0.0050	mg/kg wet	0.05000		90	70-130			
Dibromochloromethane	0.0427	0.0050	mg/kg wet	0.05000		85	70-130			
Dibromomethane	0.0467	0.0050	mg/kg wet	0.05000		93	70-130			
Dichlorodifluoromethane	0.0456	0.0100	mg/kg wet	0.05000		91	70-130			
Diethyl Ether	0.0466	0.0050	mg/kg wet	0.05000		93	70-130			
Di-isopropyl ether	0.0467	0.0050	mg/kg wet	0.05000		93	70-130			
Ethyl tertiary-butyl ether	0.0437	0.0050	mg/kg wet	0.05000		87	70-130			
Ethylbenzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1904250

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CD90917 - 5035										
Hexachlorobutadiene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
Isopropylbenzene	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
Methyl tert-Butyl Ether	0.0466	0.0050	mg/kg wet	0.05000		93	70-130			
Methylene Chloride	0.0478	0.0250	mg/kg wet	0.05000		96	70-130			
Naphthalene	0.0462	0.0050	mg/kg wet	0.05000		92	70-130			
n-Butylbenzene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130			
n-Propylbenzene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
sec-Butylbenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
Styrene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130			
tert-Butylbenzene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			
Tertiary-amyl methyl ether	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
Tetrachloroethene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			
Tetrahydrofuran	0.0420	0.0050	mg/kg wet	0.05000		84	70-130			
Toluene	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
trans-1,2-Dichloroethene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
trans-1,3-Dichloropropene	0.0424	0.0050	mg/kg wet	0.05000		85	70-130			
Trichloroethene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
Trichlorofluoromethane	0.0523	0.0050	mg/kg wet	0.05000		105	70-130			
Vinyl Acetate	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			
Vinyl Chloride	0.0508	0.0100	mg/kg wet	0.05000		102	70-130			
Xylene O	0.0510	0.0050	mg/kg wet	0.05000		102	70-130			
Xylene P,M	0.103	0.0100	mg/kg wet	0.1000		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0464*		mg/kg wet	*0.05000*		*93*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0492*		mg/kg wet	*0.05000*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0485*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: Toluene-d8	*0.0502*		mg/kg wet	*0.05000*		*100*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	5	25	
1,1,1-Trichloroethane	0.0552	0.0050	mg/kg wet	0.05000		110	70-130	6	25	
1,1,2,2-Tetrachloroethane	0.0486	0.0050	mg/kg wet	0.05000		97	70-130	8	25	
1,1,2-Trichloroethane	0.0478	0.0050	mg/kg wet	0.05000		96	70-130	4	25	
1,1-Dichloroethane	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	5	25	
1,1-Dichloroethene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	6	25	
1,1-Dichloropropene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	5	25	
1,2,3-Trichlorobenzene	0.0521	0.0050	mg/kg wet	0.05000		104	70-130	7	25	
1,2,3-Trichloropropane	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	7	25	
1,2,4-Trichlorobenzene	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	6	25	
1,2,4-Trimethylbenzene	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	6	25	
1,2-Dibromo-3-Chloropropane	0.0451	0.0050	mg/kg wet	0.05000		90	70-130	7	25	
1,2-Dibromoethane	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	5	25	
1,2-Dichlorobenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	6	25	
1,2-Dichloroethane	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	4	25	
1,2-Dichloropropane	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	6	25	
1,3,5-Trimethylbenzene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	6	25	
1,3-Dichlorobenzene	0.0529	0.0050	mg/kg wet	0.05000		106	70-130	6	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1904250

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CD90917 - 5035										
1,3-Dichloropropane	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	5	25	
1,4-Dichlorobenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	6	25	
1,4-Dioxane	0.911	0.100	mg/kg wet	1.000		91	70-130	1	20	
1-Chlorohexane	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	6	25	
2,2-Dichloropropane	0.0570	0.0050	mg/kg wet	0.05000		114	70-130	7	25	
2-Butanone	0.235	0.0500	mg/kg wet	0.2500		94	70-130	5	25	
2-Chlorotoluene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	8	25	
2-Hexanone	0.248	0.0500	mg/kg wet	0.2500		99	70-130	6	25	
4-Chlorotoluene	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	5	25	
4-Isopropyltoluene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	7	25	
4-Methyl-2-Pentanone	0.240	0.0500	mg/kg wet	0.2500		96	70-130	6	25	
Acetone	0.213	0.0500	mg/kg wet	0.2500		85	70-130	6	25	
Benzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	5	25	
Bromobenzene	0.0528	0.0050	mg/kg wet	0.05000		106	70-130	7	25	
Bromochloromethane	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	5	25	
Bromodichloromethane	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	5	25	
Bromoform	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	8	25	
Bromomethane	0.0476	0.0100	mg/kg wet	0.05000		95	70-130	2	25	
Carbon Disulfide	0.0578	0.0050	mg/kg wet	0.05000		116	70-130	5	25	
Carbon Tetrachloride	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	4	25	
Chlorobenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	4	25	
Chloroethane	0.0458	0.0100	mg/kg wet	0.05000		92	70-130	5	25	
Chloroform	0.0508	0.0050	mg/kg wet	0.05000		102	70-130	5	25	
Chloromethane	0.0514	0.0100	mg/kg wet	0.05000		103	70-130	5	25	
cis-1,2-Dichloroethene	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	5	25	
cis-1,3-Dichloropropene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	5	25	
Dibromochloromethane	0.0454	0.0050	mg/kg wet	0.05000		91	70-130	6	25	
Dibromomethane	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	5	25	
Dichlorodifluoromethane	0.0472	0.0100	mg/kg wet	0.05000		94	70-130	4	25	
Diethyl Ether	0.0491	0.0050	mg/kg wet	0.05000		98	70-130	5	25	
Di-isopropyl ether	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	4	25	
Ethyl tertiary-butyl ether	0.0459	0.0050	mg/kg wet	0.05000		92	70-130	5	25	
Ethylbenzene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	5	25	
Hexachlorobutadiene	0.0577	0.0050	mg/kg wet	0.05000		115	70-130	7	25	
Isopropylbenzene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	7	25	
Methyl tert-Butyl Ether	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	4	25	
Methylene Chloride	0.0498	0.0250	mg/kg wet	0.05000		100	70-130	4	25	
Naphthalene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	9	25	
n-Butylbenzene	0.0568	0.0050	mg/kg wet	0.05000		114	70-130	7	25	
n-Propylbenzene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	7	25	
sec-Butylbenzene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	7	25	
Styrene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	5	25	
tert-Butylbenzene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	7	25	
Tertiary-amyl methyl ether	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	5	25	
Tetrachloroethene	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	6	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 1904250

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CD90917 - 5035										
Tetrahydrofuran	0.0454	0.0050	mg/kg wet	0.05000		91	70-130	8	25	
Toluene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	5	25	
trans-1,2-Dichloroethene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	5	25	
trans-1,3-Dichloropropene	0.0447	0.0050	mg/kg wet	0.05000		89	70-130	5	25	
Trichloroethene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	4	25	
Trichlorofluoromethane	0.0543	0.0050	mg/kg wet	0.05000		109	70-130	4	25	
Vinyl Acetate	0.0560	0.0050	mg/kg wet	0.05000		112	70-130	6	25	
Vinyl Chloride	0.0529	0.0100	mg/kg wet	0.05000		106	70-130	4	25	
Xylene O	0.0529	0.0050	mg/kg wet	0.05000		106	70-130	4	25	
Xylene P,M	0.108	0.0100	mg/kg wet	0.1000		108	70-130	5	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0456*		mg/kg wet	*0.05000*		*91*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0487*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0481*		mg/kg wet	*0.05000*		*96*	*70-130*			
Surrogate: Toluene-d8	*0.0502*		mg/kg wet	*0.05000*		*100*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch CD90810 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*3.61*		mg/kg wet	*5.000*		*72*	*40-140*			
LCS										
Decane (C10)	1.9	0.2	mg/kg wet	2.500		74	40-140			
Docosane (C22)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		80	40-140			
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		93	40-140			
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Nonadecane (C19)	2.5	0.2	mg/kg wet	2.500		100	40-140			
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		66	30-140			
Octacosane (C28)	2.4	0.2	mg/kg wet	2.500		95	40-140			
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		87	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1904250

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CD90810 - 3546										
Tetracosane (C24)	2.3	0.2	mg/kg wet	2.500		93	40-140			
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		82	40-140			
Total Petroleum Hydrocarbons	31.9	37.5	mg/kg wet	35.00		91	40-140			
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		93	40-140			
Surrogate: O-Terphenyl	*3.98*		mg/kg wet	*5.000*		*80*	*40-140*			
LCS Dup										
Decane (C10)	1.8	0.2	mg/kg wet	2.500		73	40-140	2	25	
Docosane (C22)	2.3	0.2	mg/kg wet	2.500		91	40-140	0.9	25	
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		78	40-140	2	25	
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		89	40-140	1	25	
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		92	40-140	0.6	25	
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		84	40-140	1	25	
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		98	40-140	2	25	
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		64	30-140	3	25	
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		92	40-140	4	25	
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		85	40-140	2	25	
Tetracosane (C24)	2.3	0.2	mg/kg wet	2.500		92	40-140	0.7	25	
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		80	40-140	2	25	
Total Petroleum Hydrocarbons	31.3	37.5	mg/kg wet	35.00		89	40-140	2	25	
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		92	40-140	0.9	25	
Surrogate: O-Terphenyl	*3.80*		mg/kg wet	*5.000*		*76*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch CD90809 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1904250

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CD90809 - 3546										
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1904250

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CD90809 - 3546										
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.43*		mg/kg wet	*3.333*		*73*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.32*		mg/kg wet	*5.000*		*86*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.74*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.64*		mg/kg wet	*3.333*		*79*	*30-130*			
Surrogate: 2-Fluorophenol	*3.79*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.50*		mg/kg wet	*3.333*		*75*	*30-130*			
Surrogate: Phenol-d6	*3.65*		mg/kg wet	*5.000*		*73*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.00*		mg/kg wet	*3.333*		*90*	*30-130*			
LCS										
1,1-Biphenyl	2.29	0.333	mg/kg wet	3.333		69	40-140			
1,2,4-Trichlorobenzene	2.43	0.333	mg/kg wet	3.333		73	40-140			
1,2-Dichlorobenzene	2.27	0.333	mg/kg wet	3.333		68	40-140			
1,3-Dichlorobenzene	2.20	0.333	mg/kg wet	3.333		66	40-140			
1,4-Dichlorobenzene	2.21	0.333	mg/kg wet	3.333		66	40-140			
2,3,4,6-Tetrachlorophenol	2.90	1.67	mg/kg wet	3.333		87	30-130			
2,4,5-Trichlorophenol	3.02	0.333	mg/kg wet	3.333		91	30-130			
2,4,6-Trichlorophenol	2.74	0.333	mg/kg wet	3.333		82	30-130			
2,4-Dichlorophenol	2.59	0.333	mg/kg wet	3.333		78	30-130			
2,4-Dimethylphenol	2.48	0.333	mg/kg wet	3.333		74	30-130			
2,4-Dinitrophenol	3.25	1.67	mg/kg wet	3.333		97	30-130			
2,4-Dinitrotoluene	3.26	0.333	mg/kg wet	3.333		98	40-140			
2,6-Dinitrotoluene	2.90	0.333	mg/kg wet	3.333		87	40-140			
2-Chloronaphthalene	2.29	0.333	mg/kg wet	3.333		69	40-140			
2-Chlorophenol	2.23	0.333	mg/kg wet	3.333		67	30-130			
2-Methylnaphthalene	2.28	0.333	mg/kg wet	3.333		68	40-140			
2-Methylphenol	2.30	0.333	mg/kg wet	3.333		69	30-130			
2-Nitroaniline	2.66	0.333	mg/kg wet	3.333		80	40-140			
2-Nitrophenol	2.34	0.333	mg/kg wet	3.333		70	30-130			
3,3´-Dichlorobenzidine	2.77	0.667	mg/kg wet	3.333		83	40-140			
3+4-Methylphenol	4.24	0.667	mg/kg wet	6.667		64	30-130			
3-Nitroaniline	2.80	0.333	mg/kg wet	3.333		84	40-140			
4,6-Dinitro-2-Methylphenol	3.63	1.67	mg/kg wet	3.333		109	30-130			
4-Bromophenyl-phenylether	2.97	0.333	mg/kg wet	3.333		89	40-140			
4-Chloro-3-Methylphenol	2.75	0.333	mg/kg wet	3.333		83	30-130			
4-Chloroaniline	2.02	0.667	mg/kg wet	3.333		61	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1904250

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CD90809 - 3546										
4-Chloro-phenyl-phenyl ether	2.67	0.333	mg/kg wet	3.333		80	40-140			
4-Nitroaniline	2.85	0.333	mg/kg wet	3.333		86	40-140			
4-Nitrophenol	2.83	1.67	mg/kg wet	3.333		85	30-130			
Acenaphthene	2.39	0.333	mg/kg wet	3.333		72	40-140			
Acenaphthylene	2.52	0.333	mg/kg wet	3.333		76	40-140			
Acetophenone	1.95	0.667	mg/kg wet	3.333		59	40-140			
Aniline	1.84	0.667	mg/kg wet	3.333		55	40-140			
Anthracene	2.80	0.333	mg/kg wet	3.333		84	40-140			
Azobenzene	2.57	0.333	mg/kg wet	3.333		77	40-140			
Benzo(a)anthracene	3.15	0.333	mg/kg wet	3.333		94	40-140			
Benzo(a)pyrene	3.17	0.167	mg/kg wet	3.333		95	40-140			
Benzo(b)fluoranthene	3.09	0.333	mg/kg wet	3.333		93	40-140			
Benzo(g,h,i)perylene	3.16	0.333	mg/kg wet	3.333		95	40-140			
Benzo(k)fluoranthene	2.40	0.333	mg/kg wet	3.333		72	40-140			
Benzoic Acid	2.72	1.67	mg/kg wet	3.333		82	40-140			
Benzyl Alcohol	2.17	0.333	mg/kg wet	3.333		65	40-140			
bis(2-Chloroethoxy)methane	2.20	0.333	mg/kg wet	3.333		66	40-140			
bis(2-Chloroethyl)ether	2.13	0.333	mg/kg wet	3.333		64	40-140			
bis(2-chloroisopropyl)Ether	2.08	0.333	mg/kg wet	3.333		62	40-140			
bis(2-Ethylhexyl)phthalate	3.09	0.333	mg/kg wet	3.333		93	40-140			
Butylbenzylphthalate	3.01	0.333	mg/kg wet	3.333		90	40-140			
Carbazole	2.98	0.333	mg/kg wet	3.333		89	40-140			
Chrysene	2.88	0.167	mg/kg wet	3.333		86	40-140			
Dibenzo(a,h)Anthracene	3.11	0.167	mg/kg wet	3.333		93	40-140			
Dibenzofuran	2.48	0.333	mg/kg wet	3.333		74	40-140			
Diethylphthalate	3.06	0.333	mg/kg wet	3.333		92	40-140			
Dimethylphthalate	2.83	0.333	mg/kg wet	3.333		85	40-140			
Di-n-butylphthalate	3.33	0.333	mg/kg wet	3.333		100	40-140			
Di-n-octylphthalate	3.29	0.333	mg/kg wet	3.333		99	40-140			
Fluoranthene	3.05	0.333	mg/kg wet	3.333		91	40-140			
Fluorene	2.61	0.333	mg/kg wet	3.333		78	40-140			
Hexachlorobenzene	2.90	0.167	mg/kg wet	3.333		87	40-140			
Hexachlorobutadiene	2.51	0.333	mg/kg wet	3.333		75	40-140			
Hexachlorocyclopentadiene	2.71	1.67	mg/kg wet	3.333		81	40-140			
Hexachloroethane	2.15	0.333	mg/kg wet	3.333		64	40-140			
Indeno(1,2,3-cd)Pyrene	3.15	0.333	mg/kg wet	3.333		95	40-140			
Isophorone	2.06	0.333	mg/kg wet	3.333		62	40-140			
Naphthalene	2.32	0.333	mg/kg wet	3.333		70	40-140			
Nitrobenzene	2.21	0.333	mg/kg wet	3.333		66	40-140			
N-Nitrosodimethylamine	2.03	0.333	mg/kg wet	3.333		61	40-140			
N-Nitroso-Di-n-Propylamine	2.02	0.333	mg/kg wet	3.333		61	40-140			
N-nitrosodiphenylamine	2.82	0.333	mg/kg wet	3.333		85	40-140			
Pentachlorophenol	3.81	1.67	mg/kg wet	3.333		114	30-130			
Phenanthrene	2.81	0.333	mg/kg wet	3.333		84	40-140			
Phenol	2.16	0.333	mg/kg wet	3.333		65	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1904250

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CD90809 - 3546										
Pyrene	3.02	0.333	mg/kg wet	3.333		91	40-140			
Pyridine	1.61	1.67	mg/kg wet	3.333		48	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.24*		mg/kg wet	*3.333*		*67*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*5.02*		mg/kg wet	*5.000*		*100*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.61*		mg/kg wet	*5.000*		*72*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.50*		mg/kg wet	*3.333*		*75*	*30-130*			
Surrogate: 2-Fluorophenol	*3.63*		mg/kg wet	*5.000*		*73*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.35*		mg/kg wet	*3.333*		*71*	*30-130*			
Surrogate: Phenol-d6	*3.50*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.18*		mg/kg wet	*3.333*		*95*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.28	0.333	mg/kg wet	3.333		69	40-140	0.2	30	
1,2,4-Trichlorobenzene	2.37	0.333	mg/kg wet	3.333		71	40-140	2	30	
1,2-Dichlorobenzene	2.23	0.333	mg/kg wet	3.333		67	40-140	2	30	
1,3-Dichlorobenzene	2.17	0.333	mg/kg wet	3.333		65	40-140	1	30	
1,4-Dichlorobenzene	2.20	0.333	mg/kg wet	3.333		66	40-140	0.6	30	
2,3,4,6-Tetrachlorophenol	2.92	1.67	mg/kg wet	3.333		88	30-130	0.9	30	
2,4,5-Trichlorophenol	3.07	0.333	mg/kg wet	3.333		92	30-130	2	30	
2,4,6-Trichlorophenol	2.80	0.333	mg/kg wet	3.333		84	30-130	2	30	
2,4-Dichlorophenol	2.62	0.333	mg/kg wet	3.333		79	30-130	1	30	
2,4-Dimethylphenol	2.49	0.333	mg/kg wet	3.333		75	30-130	0.6	30	
2,4-Dinitrophenol	3.44	1.67	mg/kg wet	3.333		103	30-130	6	30	
2,4-Dinitrotoluene	3.24	0.333	mg/kg wet	3.333		97	40-140	0.7	30	
2,6-Dinitrotoluene	2.91	0.333	mg/kg wet	3.333		87	40-140	0.3	30	
2-Chloronaphthalene	2.32	0.333	mg/kg wet	3.333		69	40-140	1	30	
2-Chlorophenol	2.24	0.333	mg/kg wet	3.333		67	30-130	0.7	30	
2-Methylnaphthalene	2.30	0.333	mg/kg wet	3.333		69	40-140	1	30	
2-Methylphenol	2.33	0.333	mg/kg wet	3.333		70	30-130	1	30	
2-Nitroaniline	2.74	0.333	mg/kg wet	3.333		82	40-140	3	30	
2-Nitrophenol	2.39	0.333	mg/kg wet	3.333		72	30-130	2	30	
3,3´-Dichlorobenzidine	2.84	0.667	mg/kg wet	3.333		85	40-140	3	30	
3+4-Methylphenol	4.39	0.667	mg/kg wet	6.667		66	30-130	4	30	
3-Nitroaniline	2.86	0.333	mg/kg wet	3.333		86	40-140	2	30	
4,6-Dinitro-2-Methylphenol	3.67	1.67	mg/kg wet	3.333		110	30-130	1	30	
4-Bromophenyl-phenylether	3.00	0.333	mg/kg wet	3.333		90	40-140	0.9	30	
4-Chloro-3-Methylphenol	2.86	0.333	mg/kg wet	3.333		86	30-130	4	30	
4-Chloroaniline	2.11	0.667	mg/kg wet	3.333		63	40-140	4	30	
4-Chloro-phenyl-phenyl ether	2.72	0.333	mg/kg wet	3.333		82	40-140	2	30	
4-Nitroaniline	2.84	0.333	mg/kg wet	3.333		85	40-140	0.5	30	
4-Nitrophenol	2.87	1.67	mg/kg wet	3.333		86	30-130	1	30	
Acenaphthene	2.43	0.333	mg/kg wet	3.333		73	40-140	1	30	
Acenaphthylene	2.57	0.333	mg/kg wet	3.333		77	40-140	2	30	
Acetophenone	1.99	0.667	mg/kg wet	3.333		60	40-140	2	30	
Aniline	1.87	0.667	mg/kg wet	3.333		56	40-140	2	30	
Anthracene	2.79	0.333	mg/kg wet	3.333		84	40-140	0.4	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1904250

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CD90809 - 3546										
Azobenzene	2.61	0.333	mg/kg wet	3.333		78	40-140	1	30	
Benzo(a)anthracene	3.05	0.333	mg/kg wet	3.333		91	40-140	3	30	
Benzo(a)pyrene	3.10	0.167	mg/kg wet	3.333		93	40-140	2	30	
Benzo(b)fluoranthene	2.99	0.333	mg/kg wet	3.333		90	40-140	3	30	
Benzo(g,h,i)perylene	3.09	0.333	mg/kg wet	3.333		93	40-140	2	30	
Benzo(k)fluoranthene	2.38	0.333	mg/kg wet	3.333		71	40-140	1	30	
Benzoic Acid	3.01	1.67	mg/kg wet	3.333		90	40-140	10	30	
Benzyl Alcohol	2.23	0.333	mg/kg wet	3.333		67	40-140	3	30	
bis(2-Chloroethoxy)methane	2.20	0.333	mg/kg wet	3.333		66	40-140	0.08	30	
bis(2-Chloroethyl)ether	2.20	0.333	mg/kg wet	3.333		66	40-140	3	30	
bis(2-chloroisopropyl)Ether	2.08	0.333	mg/kg wet	3.333		62	40-140	0.08	30	
bis(2-Ethylhexyl)phthalate	3.04	0.333	mg/kg wet	3.333		91	40-140	2	30	
Butylbenzylphthalate	2.97	0.333	mg/kg wet	3.333		89	40-140	1	30	
Carbazole	2.96	0.333	mg/kg wet	3.333		89	40-140	0.6	30	
Chrysene	2.79	0.167	mg/kg wet	3.333		84	40-140	3	30	
Dibenzo(a,h)Anthracene	3.03	0.167	mg/kg wet	3.333		91	40-140	3	30	
Dibenzofuran	2.52	0.333	mg/kg wet	3.333		76	40-140	2	30	
Diethylphthalate	3.07	0.333	mg/kg wet	3.333		92	40-140	0.3	30	
Dimethylphthalate	2.86	0.333	mg/kg wet	3.333		86	40-140	1	30	
Di-n-butylphthalate	3.33	0.333	mg/kg wet	3.333		100	40-140	0.02	30	
Di-n-octylphthalate	3.27	0.333	mg/kg wet	3.333		98	40-140	0.7	30	
Fluoranthene	3.04	0.333	mg/kg wet	3.333		91	40-140	0.2	30	
Fluorene	2.68	0.333	mg/kg wet	3.333		80	40-140	3	30	
Hexachlorobenzene	2.86	0.167	mg/kg wet	3.333		86	40-140	2	30	
Hexachlorobutadiene	2.44	0.333	mg/kg wet	3.333		73	40-140	3	30	
Hexachlorocyclopentadiene	2.65	1.67	mg/kg wet	3.333		80	40-140	2	30	
Hexachloroethane	2.10	0.333	mg/kg wet	3.333		63	40-140	2	30	
Indeno(1,2,3-cd)Pyrene	3.08	0.333	mg/kg wet	3.333		92	40-140	2	30	
Isophorone	2.08	0.333	mg/kg wet	3.333		63	40-140	1	30	
Naphthalene	2.32	0.333	mg/kg wet	3.333		70	40-140	0.3	30	
Nitrobenzene	2.19	0.333	mg/kg wet	3.333		66	40-140	0.6	30	
N-Nitrosodimethylamine	1.99	0.333	mg/kg wet	3.333		60	40-140	2	30	
N-Nitroso-Di-n-Propylamine	2.07	0.333	mg/kg wet	3.333		62	40-140	2	30	
N-nitrosodiphenylamine	2.77	0.333	mg/kg wet	3.333		83	40-140	2	30	
Pentachlorophenol	3.81	1.67	mg/kg wet	3.333		114	30-130	0.08	30	
Phenanthrene	2.76	0.333	mg/kg wet	3.333		83	40-140	2	30	
Phenol	2.23	0.333	mg/kg wet	3.333		67	30-130	3	30	
Pyrene	2.93	0.333	mg/kg wet	3.333		88	40-140	3	30	
Pyridine	1.63	1.67	mg/kg wet	3.333		49	40-140	1	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.16*		mg/kg wet	*3.333*		*65*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.87*		mg/kg wet	*5.000*		*97*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.53*		mg/kg wet	*5.000*		*71*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.43*		mg/kg wet	*3.333*		*73*	*30-130*			
Surrogate: 2-Fluorophenol	*3.55*		mg/kg wet	*5.000*		*71*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.28*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: Phenol-d6	*3.51*		mg/kg wet	*5.000*		*70*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1904250

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CD90809 - 3546										
Surrogate: p-Terphenyl-d14	*2.99*		mg/kg wet	*3.333*		*90*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1904250

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
ICV+	Initial Calibration Verification recovery is above upper control limit (ICV+).
ICV-	Initial Calibration Verification recovery is below lower control limit (ICV-).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 1904250

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/HDM

Shipped/Delivered Via: Client

ESS Project ID: 1904250
Date Received: 4/8/2019
Project Due Date: 4/9/2019
Days for Project: 1 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 7.1 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes No
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA

13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 4/8/19 Time: ~~1549~~ 1428 4/8/19 By: [illegible]

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608.3 Pesticides)
01	331992	Yes	NA	Yes	VOA Vial - Methanol	MeOH	
01	331993	Yes	NA	Yes	VOA Vial - Other	Other	
01	331994	Yes	NA	Yes	VOA Vial - Other	Other	
01	331995	Yes	NA	Yes	2 oz. Jar - Unpres	NP	
01	331996	Yes	NA	Yes	8 oz. Jar - Unpres	NP	
02	331999	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
03	331998	Yes	NA	Yes	4 oz. Jar - Unpres	NP	
04	331997	Yes	NA	Yes	4 oz. Jar - Unpres	NP	

2nd Review
All containers scanned into storage/lab
Are barcode labels on correct containers? Yes / No
Are all necessary stickers attached? Yes / No

Initials: [illegible]

Completed By: [signature] Date & Time: 4/8/19 1424
Reviewed By: [signature] Date & Time: 4/8/19 14:25
Delivered By: [signature] 4/8/19 14:25

ESS Laboratory
Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1904250

Turn Time: 5 Days RUSH 24HR
Regulatory State: RI
Reporting Limits:
Is this project for any of the following?: ○ CT RCP ○ MA MCP ○ RGP
Electonic Deliverables: ☑ Data Checker ☒ Excel ☒ Other (Please Specify →) PDF

Company Name	Project #	Project Name
GZA	33554.04	642 ALLENS AVE

Contact Person	Address
LUCAS WITHERS	188 VALLEY ST, SUITE 300

City	State	Zip Code	PO #
PROVIDENCE	RI	02909	

Telephone Number	FAX Number	Email Address
(603) 325-1825		lucas.withers@gza.com

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis: VOCs 8260	SVOCs 8270	TPH	PP13 Metals	Arsenic	% Solids
1	4/8/19	1250	COMPOSITE	SOIL	040819 - COMP	X	X	X	X		X
2	4/8/19	1250	GRAB	SOIL	040819 - A					X	
3	4/8/19	1250	GRAB	SOIL	040819 - B					X	
4	4/8/19	1250	GRAB	SOIL	040819 - C					X	

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial — ✓ | AG | | | AG
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other* — 7 | 10 | | | 9
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other* — | 1 | | | 1
Number of Containers per Sample: 3 | 1 | | | 3

Laboratory Use Only
Cooler Present: YES ○ Drop Off
Seals Intact: 1 ○ Pickup
Cooler Temperature: 7.1 °C ICE

Sampled by: CHARLES LINDNER

Comments: Please specify "Other" preservative and containers types in this space
NGRID RATES APPLY

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
4/8/19 1345	4/8/19 1345		
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

APPENDIX F

QUARRY CERTIFICATIONS

CORPORATE OFFICE
3 BELCHER STREET
PLAINVILLE, MA 02762
(508) 695-3252
FAX (508) 695-1130

LORUSSO CORP.

CRUSHED STONE
SAND AND GRAVEL
RECYCLED GRAVEL PRODUCTS
SCREENED LOAM
SCREENED COMPOST
CONSTRUCTION SERVICES

March 23, 2017

GZA
530 Broadway
Providence, RI 02909

Re: 4" – 6" Rip Rap
Kiewit Power
642 Allens Ave / 121 Terminal Rd. (National Grid)
Providence, RI 02905

Dear Mr. Muto:

The crushed stone that was supplied to Kiewit Power from the Attleboro Sand & Gravel quarry, located at 125 Tiffany St. in Attleboro MA., is generated from drilled, blasted and crushed ledge. The source is not subject to environmental restrictions and is not the focus of state mandated or voluntary clean up. To the best of my knowledge, the material has not been mixed or come in contact with contaminated or potentially contaminated materials.

If you have any questions, please do not hesitate to contact this office.

Very truly yours,
Lorusso Corporation

Andrew Mason
Sales Representative

CORPORATE OFFICE
3 BELCHER STREET
PLAINVILLE, MA 02762
(508) 695-3252
FAX (508) 695-1130

LORUSSO CORP.

CRUSHED STONE
SAND AND GRAVEL
RECYCLED GRAVEL PRODUCTS
SCREENED LOAM
SCREENED COMPOST
CONSTRUCTION SERVICES

January 29, 2019

Kiewit Infrastructure Co.
470 Chestnut Ridge Rd.
Woodcliff Lake, NH 07677

Re: 1 ½" Crushed Stone

Dear Mr. Alexander:

The 1 ½" Crushed Stone will be supplied to your project from Attleboro Sand & Gravel, located at 125 Tiffany St. in Attleboro. It is generated from drilled, blasted and crushed ledge. The source is not subject to environmental restrictions and is not the focus of state mandated or voluntary clean up. To the best of my knowledge, the material has not been mixed or met with contaminated or potentially contaminated materials.

If you have any questions, please do not hesitate to contact this office.

Very truly yours,
Lorusso Corporation

Andrew Mason
Sales Representative

CORPORATE OFFICE
3 BELCHER STREET
PLAINVILLE, MA 02762
(508) 695-3252
FAX (508) 695-1130

LORUSSO CORP.

CRUSHED STONE
SAND AND GRAVEL
RECYCLED GRAVEL PRODUCTS
SCREENED LOAM
SCREENED COMPOST
CONSTRUCTION SERVICES

July 24, 2019

Kiewit Infrastructure Co.
470 Chestnut Ridge Rd.
Woodcliff Lake, NJ

Re: Crushed Stone
121 Terminal Rd.
Providence, RI

Dear Mr. Alexander:

The crushed stone was supplied to your project from the Masslite quarry, located at 40 Cross St. in Plainville MA and Attleboro Sand & Gravel, located at 125 Tiffany St. in Attleboro. It is generated from drilled, blasted and crushed ledge. The source is not subject to environmental restrictions and is not the focus of state mandated or voluntary clean up. The material has not been mixed or met with contaminated or potentially contaminated materials.

If you have any questions, please do not hesitate to contact this office.

Very truly yours,
Lorusso Corporation

Andrew Mason
Sales Representative

P.J. KEATING COMPANY
Asphalt and Crushed Stone
998 Reservoir Road
Lunenburg, Massachusetts 01462-0367
Tel: (978) 582-5200 • Fax: (978) 582-7130

January 29, 2019

RE: P.J. Keating Company, Cranston, RI aggregate products

To Whom It May Concern:

P.J. Keating Company, located at 875 Phenix Ave in Cranston, RI, is a proposed source of aggregate materials to be used on your project site. I certify that this location has not been listed or identified by the Rhode Island Department of Environmental Management or the United States Environmental Protection Agency as a contaminated site. P.J. Keating supplies only clean/natural aggregates to our customers. Additionally, P.J. Keating does not accept any contaminated soil or other hazardous waste onto our property. P.J. Keating only stores oils and other chemicals associated with active mining and asphalt production operations on this site. I certify that all oils and other materials are stored in accordance with all applicable regulations, and there is no known or suspected contamination of soil or groundwater on this site.

In conclusion, the material is from a single native virgin quarry, to the best of my knowledge and belief, the material is not contaminated pursuant to any applicable remediation standards and is free of extraneous or solid waste.

Please contact me at 978-582-5268 with any questions.

Sincerely,

Kendra S. Nawrocki

Kendra S. Nawrocki
Environmental, Health and Safety Manager

May 8, 2020

RE: P.J. Keating Company, Cranston, RI
Aggregate Products Source

To Whom it May Concern:

P.J. Keating Company located at 875 Phenix Avenue in Cranston, RI is a proposed source of aggregate materials to be used on your Project site. I certify that that this location has not been listed or identified by the Rhode Island Department of Environmental Management or the United States Environmental Protection Agency as a contaminated site. Further, P.J. Keating does not accept any soil or other waste material onto our property. P.J. Keating only stores oil and other chemicals associated with active mining and asphalt production operations on the site within contained and labeled areas. I certify that all oils and other materials are stored in accordance with all applicable regulations and that there is no known or suspected contamination of soil or groundwater on this site. Process wash water is from naturally-captured (stormwater and groundwater), on-site sources that are continuously recycled through the site and are similarly, contaminant free.

In conclusion, the material is from a single native virgin quarry and does not contain any off-site sourced materials.

Please contact me at 978-732-3761 or by email at douglas.vigneau@pjkeating.com.

Sincerely,

Douglas E. Vigneau

Douglas E. Vigneau, CEP, Env-SP
Environmental Compliance Manager
P.J. Keating Environmental, Health & Safety Department

P. J. Keating
998 Reservoir Road
Lunenburg, MA 01462

T +1 (978) 582 5200
F +1 (978) 582 7027

www.pjkeating.com

February 14, 2022

RE: P.J. Keating Company, Cranston, RI
Aggregate Products Source

To Whom it May Concern:

P.J. Keating Company located at 875 Phenix Avenue in Cranston, RI is a proposed source of aggregate materials to be used on your Project site. I certify that that this location has not been listed or identified by the Rhode Island Department of Environmental Management or the United States Environmental Protection Agency as a contaminated site. Further, P.J. Keating does not accept any soil or other waste material onto our property. P.J. Keating only stores oil and other chemicals associated with active mining and asphalt production operations on the site within contained and labeled areas. I certify that all oils and other materials are stored in accordance with all applicable regulations and that there is no known or suspected contamination of soil or groundwater on this site. Process wash water is from naturally-captured (stormwater and groundwater), on-site sources that are continuously recycled through the site and are similarly, contaminant free.

In conclusion, the material is from a single native virgin quarry and does not contain any off-site sourced materials.

Please contact me at 978-732-3761 or by email at douglas.vigneau@pjkeating.com.

Sincerely,

Douglas E. Vigneau

Douglas E. Vigneau, CEP, Env-SP
Environmental Compliance Manager
P.J. Keating Environmental, Health & Safety Department

P. J. Keating
998 Reservoir Road
Lunenburg, MA 01462

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F +1 (978) 582 7027

www.pjkeating.com

APPENDIX G

SOIL DISPOSAL BILLS OF LADING (BOLS)

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Earth Solutions

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 5/12/20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

(Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** 350 SMWD **No.** T 2 >>78 (0)

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

T Clancy
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at [illegible] 07/ /20 17 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

4

REDIFORM.
Carbonless Speediset® Forms
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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Earth [illegible]

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 07/21/2017 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** [illegible] **No.** [illegible]

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

DTC-3

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTC Ent LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 03/24/ 2011 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier DTC Ent LLC Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 07/21/20 11 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Earth Solutions LLC

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Providence, RI **on** 07/29/2019 **From** 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** 350SADN **No.** T2>>8411V

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

DG-3

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DGG1 LLC

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 01/24/2011 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier DGG1 **Car or Vehicle Initials** 3 **No.** 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request.

at [illegible] 07/24/2019 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [illegible] Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 OT	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

4

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road PPB 02/07 20 11 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State _____ Zip NH 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	30		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

4

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - TTP 08/07/2019 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH 03307 **State** _____ **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

4

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

DTC-3

DTC Ent LLC #3

(Name of Carrier)

Carrier's Pro No. DTC-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTC Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this *shipment without payment of freight and all other lawful charges.*

(Signature of *Consignor*)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

4

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DYG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

(Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DYG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recyclin	30		

Subject to Section 7 of *Conditions of applicable* bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Dignity Ltd CCC #3

Carrier's Pro No. DIG
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 08/14/20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier HHD DIG Ent **Car or Vehicle Initials** 3 **No.** 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

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Carrier's Pro Bill of Lading No.
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTG P
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road PVD 05/14/ 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DTG-Y

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

4

44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No.
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DtGEnt LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 08/4/20 11 **From** 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County**

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DtGEnt **Car or Vehicle Initials** 3 **No.** 2

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per **Agent, Per**

Permanent post-office address of shipper

4

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

REDIFORM®

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 30/11/20 KJ From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10 T	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Truck # 621134

Please print or type.

PI 1904447768-001 SC PPW 3/12/2019

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: RID999999999
2. Page 1 of 1
3. Emergency Response Phone: (800) 483-3718
4. Manifest Tracking Number: 013772242 FLE

5. Generator's Name and Mailing Address
Kiewit Power Constructors Co.
3555 Farnam Street
Omaha NE 68146
Generator's Phone: (307) 274-1929 ATTN: ~~Alexis Lorence~~ TINA Hoots

Generator's Site Address (if different than mailing address)
642 Allens Avenue
Providence, RI 02905

6. Transporter 1 Company Name: Clean Harbors Environmental Services, Inc.
U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Clean Harbors of Braintree inc
1 Hill Avenue
Braintree, MA 02184
Facility's Phone: (781) 380-7100
U.S. EPA ID Number: MAD053452637

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON DOT REGULATED MATERIAL, (USED OIL)	001	PM	55	G	MA01
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. CH1857376 1X55

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency, convenience or safety

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Tina Hoots
Signature: X [signature]
Month 08 Day 29 Year 19

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Adriano Brito
Signature: Adriano Brito
Month 08 Day 29 Year 19
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping

Style CF27R LABELMASTER® (800) 621-5808 www.labelmaster.com

Truck # 621134

Please print or type. RI 1904447768-001 SC PPW 3/12/2019 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
RI 999999999	1	(800) 483-3718	013772243 FLE

GENERATOR

5. Generator's Name and Mailing Address
Kiewit Power Constructors Co.
3555 Farnam Street
Omaha, NE 68145
Generator's Phone: (307) 274-1929 ATTN: ~~Alexis Lorance~~ TINA HOOTS

Generator's Site Address (if different than mailing address)
642 Allens Avenue
Providence, RI 02905

6. Transporter 1 Company Name
Clean Harbors Environmental Services, Inc.
U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Spring Grove Resource Recovery Inc.
4879 Spring Grove Avenue
Cincinnati, OH 45232
Facility's Phone: (513) 681-5738
U.S. EPA ID Number: OHD000816629

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. NON D.O.T. REGULATED, (OIL, DIRT, SAND, ABSORBENTS AND DIESEL FUEL)	002	DM	400	P	R010	R015	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1.CH1617582 2755

authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency, convenience or safety. Contract retained by generator confers agency

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Tina Hoots
Signature: IX [signature]
Month 08 Day 29 Year 19

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Adriano Brito
Signature: Adriano Brito
Month 08 Day 29 Year 19

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name Signature Month Day Year

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Style CF27R LABELMASTER® (800) 621-5808 www.labelmaster.com

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DAS
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 422 Terminal Road PVD 8/20/ 20 14 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** _____ **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DAS-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. D16 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

D16 Ent LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 06/30/2011 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [signature] D16 Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D&G-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 05 30 2019 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** D&G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. Dft. 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTC Intl Llc # 3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 08/27/20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTC Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

4

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FRP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____ (Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 T	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Dtb Ent 6, #7

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [illegible] Dtb Ent **Car or Vehicle Initials** 3 **No.** 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
15	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM®

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 10/ 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** _____ 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, **the consignor shall sign the following statement.**
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [illegible] **Car or Vehicle Initials** 3 **No.** 5

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DNG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FRLP 07/30/ 20 19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** _____ **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DNG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 ST	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

DTC Ent LLC #3

Carrier's Pro No. DTC 3
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - TPLP 04/30/2017 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier DTC Ent **Car or Vehicle Initials** 3 **No.** 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

LTCI
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPUP /20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DXG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. 246
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

Diversified #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FRLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr Loudon **NH State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** 2

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 11 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** _____ **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** TDTG-5

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1D	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Dtg Ent LL #3

(Name of Carrier)

Carrier's Pro No. D1 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Dtg Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

4

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. [illegible]
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

D+O Ent Lic #7

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP **20** [illegible] **From** 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** **County** **Delivery Address** ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [illegible] D+O Ent **Car or Vehicle Initials** 3 **No.** 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** **Agent, Per**

Permanent post-office address of shipper

4

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

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44-302•Quadruplicate

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D & F
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 11 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** D&F

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

REDIFORM.
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Truck # 621134

ase print or type. RI 1305326707-001 SC PPW 3/12/2019 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
RID999999999	1	(800) 483-3718	013772353 FLE

5. Generator's Name and Mailing Address
Kiewit Power Constructors Co.
3555 Farnam Street
Omaha, NE 68145
Generator's Phone: (813) 267-1499 ATTN: Tina Hoots

Generator's Site Address (if different than mailing address)
642 Allens Avenue
Providence, RI 02905

6. Transporter 1 Company Name
Clean Harbors Environmental Services, Inc.
U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Spring Grove Resource Recovery Inc.
4979 Spring Grove Avenue
Cincinnati, OH 45232
Facility's Phone: (513) 681-5738
U.S. EPA ID Number: OHD000816629

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. NON D.O.T. REGULATED. (OIL, DIRT, SAND, ABSORBENTS AND DIESEL FUEL)	6	DM	1200	P	R010	R015	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1.CH1817562
6X55

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation, efficiency, convenience or safety.

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Nikki Shallcross		10	2	19

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Joshua Malone		10	2	19
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

Form 8700-22 (Rev. 12-17) Previous editions are obsolete. GENERATOR'S INITIAL COPY

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

CleanHarbors ENVIRONMENTAL SERVICES®

Site Services Multi-Task Worksheet

1432287

Day & Date: Monday 10-7-19

Sales Order #: 1905326707

Job Complete: (Yes) / No (Circle One)

Job Description/Comments: Used 621134 to pickup 6 x 55 to transport to CH facility in Cranston

Customer: Kewitt Power Co.

Billing Address: 3535 Farnam St. Omaha, NE 68145

Contact: Nikki Shattuck

Job Location: 642 Allens Ave Prov. RI

PO # / COD Amount

Per Diem: Yes / No (Circle One) If yes, how many?

Change Order Initiated: Yes / No (Circle One)

Task # / Description	Task # / Description	Task # / Description
Drum Pickup		
Task Complete: Yes / No (Circle One)	Task Complete: Yes / No (Circle One)	Task Complete: Yes / No (Circle One)

Component Type

Labor

Name	Title	ID #	ST	OT	DT	ST	OT	DT	ST	OT	DT
Josh Malone	E/O	0B2936	2								

Disposal / Write Description/Destination	Manifest #	Amount	Manifest #	Amount	Manifest #	Amount
LIQUID: Bulk / Drum						
SOLID: Bulk / (Drum)	013772353	1200 #				

Equipment Type	Quantity	Fleet #	# of Hr/Day	Quantity	Fleet #	# of Hr/Day	Quantity	Fleet #	# of Hr/Day
Pickup / Van / Car / Crew Cab (Circle One)									
Vacuum Trailer									
Tractor									
Vacuum Truck, Straight									
Box Truck	1	621134	2						
Cusco / Guzzler / Vactor (Circle One)									
Air Compressor, 175 CFM									
Backhoe Loader, 1 Yd bucket									
Bobcat Loader - Mini Excavator									
Rack Truck									
Rolloff Truck, Straight									
Pressure Washer (PSI:) Hot / Cold (Circle One)									
Meter Type:									

Equipment Type	Quantity	Size	Quantity	Size	Quantity	Size
Drum Type: Open top Metal	2	55				
Drum Type:						
Rope Type:						
Degreaser Type:						
Speedi Dry						
Polycoated Rain Gear, 22mil						
Poly Sheet, 6mil, 20ft x 100ft						
Poly Bag, 6mil, per roll						
Absorbent Pad (101 Grade) 100/bale						
Absorbent Boom Each						
Absorbent Boom Bale						
Duct Tape/Roll						
Safety Plan						
Rolloff Poly Liner						
5 Gal / 20 Litre Poly Drum 1H2						

Container Management	Size	Fleet #	Size	Fleet #	Size	Fleet #
Rolloff / Intermodal / Frac Tank / Tanker (circle one)						
Rolloff / Intermodal / Frac Tank / Tanker (circle one)						

PPE Sets	Task 1	Task 2	Task 3
# of Complete Sets of PPE Used:			
# of People in PPE:			

PPED1=Level D w/(Tyvek, boots, gloves)
PPEC3=Level C w/(CPF3 or Saranex suit)
PPEB2=Level B w/(CPF2 or Poly Tyvek suit)
PPEB4=Level B w/(CPF4 or Barricade suit)
PPEC2=Level C w/(CPF1,2 or Poly Tyek suit)
PPEC4=Level C w/(CPF4 or Barricade suit)
PPEB3=Level B w/(CPF3 or Saranex suit)
PPEA5=Level A w/(Responder suit)

Type	Qty	Type	Qty	Type	Qty	Type	Qty	Type	Qty	Type	Qty
PPED1		PPEB2		PPED1		PPEB2		PPED1		PPEB2	
PPEC2		PPEB3		PPEC2		PPEB3		PPEC2		PPEB3	
PPEC3		PPEB4		PPEC3		PPEB4		PPEC3		PPEB4	
PPEC4		PPEA5		PPEC4		PPEA5		PPEC4		PPEA5	

PPE Items Used in Addition to Sets Above	Quantity	Type	Quantity	Type	Quantity	Type
Cartridge						
Respirator						
Suit						
Inner Gloves						
Outer Gloves						
Breathing Air Bottle						

Analytical - Analysis Description	# of Tests	Lab Name	# of Tests	Lab Name	# of Tests	Lab Name

Subcontractor Name	Description of Service	Description of Service	Description of Service

CHES Rep (Print) Joshua Malone

CHES Rep (Sign) Josh Malone

Date: 10-7-19

Customer (Print) [illegible]

Customer (Sign) Nikki Shattuck

Date: 10-7-19

CHI 225-SS (9/07)

IMPORTANT - PAYMENT TERMS ON BACK

CUSTOMER COPY

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DNG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 10/18/2019 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** _____ 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DNG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	30	F	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Earth S. [illegible]

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 10/18/ 20 19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

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Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [illegible] **Car or Vehicle Initials** 35-Sp. [illegible] **No.** [illegible]

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

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NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[illegible] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM®

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Earth Solutions LLC

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 10-14 20 19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

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Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** 35 SQSU **No.** 7005 4411

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

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NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

4

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DAG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 10/18 20 19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH 03307 **State** _____ **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DAG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 PT	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. D10 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

D10 Ent LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10/18 20 19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [signature] D10 Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 11/01/2017 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** _____ 03307 **Zip** _____ **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier GOULET TRUCKING **Car or Vehicle Initials** 17-9 **No.** T-152

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPUP 11/01/2019 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** _____ **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Gulot trucking **Car or Vehicle Initials** 13-14 **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 11/01/ **20** 19 **From** 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____ **Delivery Address ★** _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Goulet Trucking **Car or Vehicle Initials** 17-3/T-192 **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** [signature] **Agent, Per** _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leung
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FRP 11/12 **20** 11 **From** 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** GTTG **No.** 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1	Non-Hazardous Contaminated Soil for Recycling			

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road PPLP 11/[illegible]/2019 **From** 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FP LP 11/4, 20 11 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

(Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30T		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM.

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Rediform, Inc. Made in Canada

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44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

French
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 11/30/ 20 19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier French **Car or Vehicle Initials** 98127A **No.** 220

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	35 tn		

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

_____ **Shipper, Per** _____ **Agent, Per** ESM

4

Permanent post-office address of shipper _____

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

R Dearing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PHLP 11/25/ 20 19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State _____ 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials 97719 No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		35	Ton	CST

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

T.C. Lansing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PHLP 11/25 /20 19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** _____ **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** 28719 **No.** 28719

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	35	Tonne 687	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T C Trucking **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Gault Trucking INC
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 12/05/ 20 17 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Gault Trucking INC **Car or Vehicle Initials** 18 4 **No.** 3016 144

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30	ton	est

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** [signature] **Agent, Per** _____

Permanent post-office address of shipper _____

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 12/05/ 20 17 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** _____ 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** 9779 MILC **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	33 tons			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) Mystic Motor Trans

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 11/15/2011 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____ (Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** 26 **No.** AP 8047

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32	[illegible]	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** [signature] **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM®

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Dynamic Transit
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPIP 12/12/20 11 From 647 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** _____ **Zip** 03307 **County** _____ **Delivery Address** ★ _____ (Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Dynamic Transit **Car or Vehicle Initials** DYNT **No.** 27

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 TONS ST		

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10/05/ 20 19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** _____ 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

(Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FRIP 12/10/2019 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** _____ 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

(Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier W.L. French Excavating **Car or Vehicle Initials** #141 **No.** T-96

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30 TONS		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 12/13/20 11 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 **State** _____ **Zip** _____ **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - PPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** _____ 03307 **Zip** _____ **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** 92719 **No.** 41

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non Hazardous Contaminated Soil for Recycling			
		33 tons		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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...Lading has been issued and is not the Original Bill of Lading, nor a ...route, covering the property named herein, and is intended solely for filing or record.

TC Corsing

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 12/10/2019 **From** 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC

Car or Vehicle Initials 28719 **No.** 762

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		33 tons		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

_____
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FRP 12/ 12/ 20 11 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** _____ **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

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44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Tom Fitzpatrick
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 11/05/20 17 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 **State** _____ **Zip** _____ **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier French **Car or Vehicle Initials** TTAGA **No.** 220

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
FTL	Non-Hazardous Contaminated Soil for Recycling	35tn		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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Carbonless Speediset® Forms
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44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Jeober
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;
at 12-19 20 19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Environmental Soil Mgmt

Consigned to _____

Destination 67 International Dr. Loudon NH 03307
State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Walker Car or Vehicle Initials AD-1803 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	35T		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 12-19- 2019 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] **Car or Vehicle Initials** AXL **No.** 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 DT		34T		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Wood (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 12/11/19 20 19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Environmental Soil Right

Consigned to _____

67 International Dr. Loudon NH 03307

Destination _____ **State** _____ **Zip** _____ **County** _____ (Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier D Wells **Car or Vehicle Initials** AP4865 **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	35T		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Chuck

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

A x L
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;
at 12/19/2019. From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier mmills Car or Vehicle Initials A x L No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 OT		34 T		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM.
Carbonless Speediset® Forms
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44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL Inc
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Providence, RI 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Environmental Soil Right

Consigned to _____

67 International Dr. Loudon NH 03307
(Mail or street address of consignee – For purposes of notification only.)

Destination _____ **State** _____ **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** AXL **No.** 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 PT		34T		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pre No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AxL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 TERMINAL ROAD - FPLP 12-19- 20 19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Right

67 International Dr. Loudon NH 03307
(Mail or street address of consignee – For purposes of notification only.)

Destination _____ State _____ Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials AxL No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 DT		34 T		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

4

Permanent post-office address of shipper _____

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Carbonless Speediset® Forms
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44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webb
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;
at 121 TERMINAL ROAD - FRLP 12-19 20 19 From 942 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Environmental Soil Right

Consigned to _____

67 International Dr. Loudon NH 03307

(Mail or street address of consignee – For purposes of notification only.)

Destination _____ **State** _____ **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J. Weber **Car or Vehicle Initials** AB-1863 **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	35T		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $_____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Signature

_____ **Shipper, Per** _____ **Agent, Per** _____

4

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber
(Name of Carrier)

RECEIVED, subject ~~to individually determined~~ rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 TERMINAL RD - FPLP 12/17/14 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Environmental Soil Right

Consigned to _____ (Mail or street address of consignee – For purposes of notification only.)

67 International Dr. Loudon NH 03307

Destination _____ **State** _____ **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Weller **Car or Vehicle Initials** AP4865 **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	35T		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Cindy
_____ **Shipper, Per** _____ **Agent, Per** _____

4

Permanent post-office address of shipper _____

REDIFORM.

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

A x L
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 TERMINAL RD - FPLP 12/19/ 20 19. From 592 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Environmental Soil Mgmt

Consigned to _____

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier marked Car or Vehicle Initials A x L No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 DT		34 T		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

4

Permanent post-office address of shipper _____

REDIFORM.

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at [illegible] 20 11 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1ST	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
- NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

4

REDIFORM.

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. 363
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

Diesel Logistics
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Industrial Park Dr. Unit 20 Ft From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address *

* To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Diesel Logistics Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 27	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

(The blue boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM.

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4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Earth Solut[illegible]

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 [illegible] Terminal Rd. 02-20-2019 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials 35150A No. 7277[illegible]

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE:- Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The files boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

East Coast Sand

(Name of Carrier)

Carrier's Pro No.
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to [illegible] in effect on the date hereof, if any, governing the transportation of this shipment, at

at [illegible] 20 From 642 Allens Ave., Providence, RI FPLP

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is [illegible] as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Envirosential Soil Farm

Destination 67 International Dr. Loudon State NH Zip 03307 County [illegible]

(Mail or street address of consignee - For purposes of notification only.)

Delivery Address *

* To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route [illegible]

Delivering Carrier [illegible] Car or Vehicle Initials [illegible] No. [illegible]

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Freight Charges are PREPAID unless marked collect. (CHECK BOX IF COLLECT)

Received $ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced

$

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per [illegible] Agent, Per [illegible]

Permanent post-office address of shipper [illegible]

4

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44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, [illegible] have been established by the carrier and are available to the shipper, on request,

at [illegible] - FPLP [illegible] 20 17 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt
(Mail or street address of consignee - For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.
Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)
Charges Advanced
$ _____

†Shipper's express in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The filing letter used by this shipper is conform to the specifications set forth in the late maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

4

REDIFORM.

Carbonless Speedset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

D+G Ent Lic#3

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at Forms HGP 101 Internal Rd - Hill 2 2019 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier D+G Ent **Car or Vehicle Initials** 3 **No.** 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Carrier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

REDIFORM.

Carbonless Speedset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

EACTL SOLUTIONS

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the Carrier and Shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the Carrier and applicable to the shipper on the date of shipment.

at 2/25 20 11 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout the contract as meaning any person or corporation possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to any person of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** _____ **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** 35 Sapub **No.** T23384711

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignee)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is the Original Bill of Lading, and a copy or duplicate, covering the property named herein, and is [illegible] solely for filing or record.

Earth Solutions, LLC

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules in effect on the date of this Bill of Lading,

at 121 Tremont Road Plympton 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform [illegible], Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.

Route

Delivering Carrier

Car or Vehicle Initials 35454KNX No. 421571

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

(The Shipper must be the signatory to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification)

Shipper, Per

Agent, Per

Permanent post-office address of shipper

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

REDIFORM.

Carbonless Speedigraf® Forms Rediform, Inc. Made in Canada

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 2/ 20 11 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee - For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address * _____

* To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [illegible] Car or Vehicle Initials 37 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

$ _____

*Shipper's request in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

(The filer hereunder for this shipment certifies to the specifications set forth in the box maker's certificate license, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

4

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DIG-7
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 3/ 20 11 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt
(Mail or street address of consignee - For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address * _____

* To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DIG-7

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
15	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

*Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

*The filing hereon and for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post office address of shipper _____

4

REDIFORM

Carbonless Speediset™ Forms
Rediform, Inc. Made in Canada

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44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. D16-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

D+G Ent Lic #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request.

at 121 Terminal Road - FPLP 8/3 20 19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee - For purposes of notification only.)

Destination 67 International Dr. Loudon, NH State Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [signature] D+G Ent Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
105	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignee)

Freight charges are PREPAID unless marked collect. (CHECK BOX IF COLLECT.)

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

(The filing hereto certifies this shipment conforms to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.)

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM

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Rediform, Inc. Made in Canada

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44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - 50 LP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Environmental Soil Right

Consigned to _____ (Mail or street address of consignee – For purposes of notification only.)

67 International Dr. Loudon NH 03307

Destination _____ **State** _____ **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ 3-25-19 **Agent, Per** _____

Permanent post-office address of shipper _____

4

REDIFORM®

Carbonless Speediset® Forms
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44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. DK-7
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DK Env Mgt

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road PVD 2/7/20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DK Ent Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

4

REDIFORM.
Carbonless Speediset® Forms
Rediform, Inc. Made in Canada
44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Earth Solutions

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 2-26 **20** 14 **From** 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** 350 SAPAD **No.** T 2778 [illegible]

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM®

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

[illegible]

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPIP 2 26 20 19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [illegible] **Car or Vehicle Initials** 350SAPUH **No.** T2 >7E4 [illegible]

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[illegible] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. 175
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

Dedicated Logistics

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 1 Herman Melville Blvd, NB 2/8 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 **State** **Zip** **County** (Mail or street address of consignee – For purposes of notification only.) **Delivery Address** ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier HO Trans **Car or Vehicle Initials** 9 **No.** 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per **Agent, Per**

Permanent post-office address of shipper

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPP 2/26 20 19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH 03307 **State** _____ **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1.5T	Non-Hazardous Contaminated Soil for Recycling	36	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Earth Solutions

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 2-27 **20** 19 **From** 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] **Car or Vehicle Initials** 3505 - PUH **No.** T 2277 [illegible]

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

LTG-2
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPIP 20 1 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 3307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** LTG-2

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 ST	Non-Hazardous Contaminated Soil for Recycling	20	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B)

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Eastern Solutions

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - PPLP 3.25.19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** 350SPNH **No.** 7>>>8119V

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DAG-7
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request.

at 121 Terminal Road - FRIP 2-27 20 19 From 647 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DAG-7

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
11 ST	Non-Hazardous Contaminated Soil for Recycling	30		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

_____
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FP1P 20 / / From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 3307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** 9 **No.** 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 LOT	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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This Memorandum ...knowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD **2/28 2019** **From** 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $_____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

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44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

_____
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request.

at Former MGP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section ~ of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not to
copy or duplicate, covering the property named herein, and is intended

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable
otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

From 642 Allens Ave., Providence, RI

at Former MSF 03/01 2019

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County**

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier **Car or Vehicle Initials** **No.**

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per **Agent, Per**

Permanent post-office address of shipper

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Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request.

at [illegible] 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

***Shipper* hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.**

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Lines
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - PVD 6 20 19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt (Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RL-F
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - Pvd 20 17 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH 03307 **State** _____ **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** 1046-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1	Non-Hazardous Contaminated Soil for Recycling	20		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Earth Solutions LLC
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - PPLP 20 / From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** ESIX **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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Carbonless Speediset® Forms
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44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5-[illegible] - 20[illegible] From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [illegible] **Car or Vehicle Initials** 9 **No.** 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[illegible] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3-12 20 19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DAG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FRLP 3/12 20 15 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DAG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

ESMI

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 321 Terminal Road, FPLP 3/12/19 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Environmental Soil Mgmt

Consigned to _____

67 International Dr. Loudon NH 03307

(Mail or street address of consignee – For purposes of notification only.)

Destination _____ **State** _____ **Zip** _____ **County** _____ **Delivery Address ★** _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] **Car or Vehicle Initials** ESMI **No.** #4

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Earth Solutions

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3-12 20 19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [illegible] **Car or Vehicle Initials** 350 [illegible] **No.** [illegible]

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Earth Soil Mgmt

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road NH 3-10 **20** 19 **From** 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** SSC SAD **No.** T2378411

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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This Memorandum is an [illegible] that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request.

at (2) Terminal Road - PHP **20** **From** 642 Alens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request.

at 171 Terminal Road - FRP 3/15 20 From 642 Allens Ave, Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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Truck # 621134

Please print or type. RI 1900522818-004 SC PPW 2/14/2019 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
RID007918774	1	(800) 483-3718	012686692 FLE

GENERATOR

5. Generator's Name and Mailing Address
Narragansett Electric Company
40 Sylvan Road
Waltham, MA 02451
Generator's Phone: (781) 907-3647 ATTN: Susan Brochu

Generator's Site Address (if different than mailing address)
642 Allens Avenue
Providence, RI 02905

6. Transporter 1 Company Name: Clean Harbors Environmental Services, Inc. — U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Harbors El Dorado LLC
309 American Circle
El Dorado, AR 71730
Facility's Phone: (870) 863-7173
U.S. EPA ID Number: ARD069748192

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (BENZENE), 9, PG III	9	CF	1800	P	D018		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1.U57365RI ERG#171
9 X WRANGLERS.

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency, convenience or safety

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
JIM DEWOLF AS AGENT FOR NARRAGANSETT ELECTRIC	JDewolf 3/12/19 AGENT FOR TNEC	3	13	19

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Joshua Malama	J.C. Malama	3	13	19
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month / Day / Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. GENERATOR'S INITIAL COPY

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

his Memorandum **is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.**

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D68
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 5/7/2011 **From** 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** D68

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D&S
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - Prov 3/7 20 19 **From** 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** D&S-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 20 / From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

_____ (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** 37 **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

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The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper on request.

at 121 Terminal Road - FPUP 6/10 20 19 From 642 Allens Ave., Providence, RI 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt
Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH 03307
67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
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The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

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†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

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Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DIG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road TPLP 02/10/2017 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] **Car or Vehicle Initials** _____ **No.** DIG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	20	5	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

** If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.*
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

REDIFORM®

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Earle Sales (LL

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 6-10 20 12 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** 35 SAGX 1(J) **No.** I 2 37 C 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

EARTH Solutions

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request.

at 121 Terminal Road - PPLP 2/2/20 11 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____ (Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** 35x [illegible] **No.** [illegible]

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DIG-8 (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 221 Terminal Road PPLP 7/2 20 19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____ Car or Vehicle Initials _____ No. DIG-8

Delivering Carrier [signature]

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling	30	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

4

REDIFORM.
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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. D16-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DiGent Lic#3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 1/2 Terminal Road PPL 7/2 20 19 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DiGent Car or Vehicle Initials 3 No. 8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

4

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Original – Not Negotiable DAG Ent LCC#3

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DAG 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road HUB 3/10 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DAG Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	1 ID		
	Ellen Arthur			
	36.75 Tons			
	3/10/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

1

REDIFORM®

Carbonless Speediset® Forms
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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, EMP 3/10 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State _____ Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1D	Non-Hazardous Contaminated Soil for Recycling	30	T	
	Eli Attelo			
	39.89 Ton			
	3/10/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper, on request;

at 3-10 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Weller Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling			
	35.38 Tons			
	3/10/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AxL

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and tariffs in effect on the date of the bill of lading, from the carrier and are available to the shipper, on request;

at 4/10 2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier MA Recycle Car or Vehicle Initials AxL No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 DT		34T		
	Signature			
	30.97 Tons			
	3/10/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).
†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TE Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 641 Terminal Road, FRID 3-12 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State _____ Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials 97719 No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	ESMi Attached			
	3497 Tons			
	3/12/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ [signature] Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 3-12 2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T.C. Leasing Car or Vehicle Initials 28719 [illegible] No. 762

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		35 TON		
	[signature]			
	34.04 tons			
	3/14/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper [signature]

1

REDIFORM

Carbonless Speediset® Forms
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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 3/17 2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** 9719 **No.** 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Soil Added			
	32.92 tons			
	3/17/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

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44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pre No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

_____ (Name of Carrier)

RECEIVED, subject to individually determined or agreed upon rates that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 1121 Terminal Road 3-17 2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to _____

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC Lessin Car or Vehicle Initials 28719 No. X 2

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		35 Tons		
	Elm Asbell			
	35.25 Tons			
	3/17/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per Trent

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

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44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) MYSTIC 37

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State ____ Zip ____ County ____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier MYSTIC Car or Vehicle Initials 37 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Edu Abdelo			
	35.66 Tons			
	3/17/2020			
		32		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

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Rediform, Inc. Made in Canada

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44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) JC Leasing

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] established by the carrier and are available to the shipper, on request;

at 121 Terminal Road PPD 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State _____ Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier _____ Car or Vehicle Initials 97719 No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	[illegible]			
	3342 tons 32 tons			
	3/17/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

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Rediform, Inc. Made in Canada

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44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FRIE

3-18 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____

Car or Vehicle Initials 97719 No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Em / Attach 33 tons			
	35.13 / tons			
	3/18/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

1

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

T Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper, on request;

at 121 Terminal Road PPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)

Route _____

Delivering Carrier _____

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Car or Vehicle Initials 97719 No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	32 tons			
	Ellen Avenue			
	35.17 tons			
	3/18/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

1

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC Kersing Car or Vehicle Initials 28719 No. 762

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		35 ton		
	[illegible]			
	39.61 ton			
	3/19/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
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44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

TC Lewis

(Name of Carrier)

Carrier's Pro No. ____
Shipper's Bill of Lading No. ____
Consignee's Reference/PO No. ____
Carrier's Code (SCAC) ____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] carrier and are available to the shipper, on request;

at 121 Terminal Road PLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State ____ Zip 03307 County ____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ ____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route ____

Delivering Carrier ____

Car or Vehicle Initials ____ No. ____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Elm Ashland			
	34.24 tons			
	3/19/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ ____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per ____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ ____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per 3-19-20

Permanent post-office address of shipper ____

Agent, Per ____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

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44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] established by the carrier and are available to the shipper, on request;

at 121 Terminal Road TPLP 3-24 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	+		
	1 DT [signature]	34T		
	29.38 tons			
	3/24/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

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Rediform, Inc. Made in Canada

44-301•Triplicate
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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 1 Terminal Road, Fern 3-24 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T.C. Trinity Car or Vehicle Initials _____ No. 762

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		35.70		
	[signature]			
	35.46 tons			
	3/24/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 3-26 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 OT		34 T		
	32.50 ton			
	3/26/20			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Lemory
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, Lincoln, RI 3-26-20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials 98716 No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Elvi Attalla			
	30.41 tons 32 tons			
	3/26/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

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44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) MYSTIC 37

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 4/2 2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being used throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ (Mail or street address of consignee – For purpose of notification) Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery to

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Eli Abdel			
	36.34 ton			
	4/2/2020			
		30		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____.

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiberboard boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 4-2 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State _____ Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T. Lessin Car or Vehicle Initials _____ No. 762

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		35 Ton		
	8 mi Ardel			
	33.32 ton			
	4/2/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplic

Scanned with CamScanner

Original – Not Negotiable **STRAIGHT BILL OF LADING** SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FRD 4/2 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		32.		
	Eric Attell			
	31-53 tons			
	4/2/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** [signature] **Agent, Per** _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
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44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pre No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Terminal Road Fall 4-2 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State _____ Zip 03307 County _____

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mystic Motor Trans Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Eric A Hebb			
	32.47 tons			
	4/2/2020			
		32 Tons		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignor's Reference/PO No. _____
Carrier's Code (SCAC) _____

Te Lucas
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 4/2 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt
(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials 97719 No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	8 Mi Attached 30 pers			
	34.91 tons			
	4/2/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speedset® Forms
Rediform, Inc. Made in Canada

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44-302•Quadruplicate

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, [illegible] the carrier and the available to the shipper, on request;

at 121 Terminal Road FPLP 4/2 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T.C. Lessing Car or Vehicle Initials 08715 No. 762

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		35 ton		
	Sen Appl			
	35.99 tons			
	4/2/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Frank Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

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44-302•Quadruplicate

1

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10 Wheeling
(Name of Carrier)

Carrier's Name (please print)

RECEIVED, subject to [illegible] the rules and regulations of the Uniform Domestic Straight Bill of Lading and the classification and tariffs in effect on the date hereof, if any, of the carrier over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classifications in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Shipper, Per _____ Agent, Per _____

Date 4/1/2022

Consigned to ENVIRONMENTAL SOIL MGMT.

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

Delivery Address ★ _____ (Street or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials 9719 No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		52,000		
	Skid Added			
	32,880 lbs			
	4/7/2022			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

_____ Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibreboxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Scanned with CamScanner

Original – Not Negotiable **STRAIGHT BILL OF LADING** SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) Mystic Motor Trans

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 67 Centennial Road, LLP 4/7 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State _____ Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mystic Motor Trans Car or Vehicle Initials 37 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	[signature]			
	34.22 Tons			
	4/7/2020			
		30		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING — SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

_____ (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 4-7-2020 From 642 Allens Ave., Providence, RI M/S/E-26

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier M/S/E Motor Trans Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Eli Arnold			
	30.73 Ton			
	4/7/2020			
		32 tons		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

_____ Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____.

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speedliner®-Format
Rediform, Inc. Made in Canada

1

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

North Eastern Transportation
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules in effect on the date of this Bill of Lading, in the carrier's applicable motor carrier transportation tariffs or classifications which are available to the shipper, on request;

at Johnston Road PPLP on 4/7 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purpose of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mystic - 30 Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
			30	
	Eli Attach			
	34.44 Ton			
	4/7/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless SpeedSet® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original - Not Negotiable

STRAIGHT BILL OF LADING

T.C. Mercy

Carrier's Pro No.
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

121 Tunnel Road, Perryville, MD 642 Allens Ave., Providence, RI

From

Agent

Consigned to

67 International Dr. Loudon NH 03307

Destination State Zip County

(Mail or street address of consignee - For purposes of notification only.)

Delivery Address *

* To be filled in only when shipper desires and governing tariffs provide for delivery thereat.

Date

Delivering Carrier

Car or Vehicle Initials 9771 No. 67

No. of Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	ESN Approved			
	35.25 Tons			
	4/7/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Agent, Per

Permanent post-office address of shipper

1

REDIFORM.

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Rediform, Inc. Made in Canada

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44-302•Quadruplicate

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Scanned with CamScanner

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at Terminal Road - PVD on 4/7 2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. TC 25

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Soil Attached			
	34.93 tons			
	4/7/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____ 4-7-20

Permanent post-office address of shipper _____

1

REDIFORM.

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Rediform, Inc. Made in Canada

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - PPLP 4-9 2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mistic Motor Trans Inc Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Esu Asbold			
	38.66 Tns			
	4/9/2020			
		32 Tons		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____.

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

J. Cleaning
(Name of Carrier)

RECEIVED, subject to [illegible] agreed upon in writing between the carrier and shipper, if applicable, [illegible] the carrier and are available to the shipper, on request;

at 221 Terminal Road FPLP 4/9 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understoo[illegible] [illegible] any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on t[illegible] [illegible] is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to [illegible] [illegible] shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a [illegible] [illegible] shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation [illegible] this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification on[illegible]

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thr[illegible]

Route _____

Delivering Carrier _____ Car or Vehicle Initials 97719 No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Emi Abbots 32 tons			
	32.54 tons			
	4/9/2020			

Subject to Section 7 of Conditions of appli[illegible] bill of lading, if this shipment is to be deliver[illegible] the consignee without recourse on the consig[illegible] the consignor shall sign the following statem[illegible]
The carrier shall not make delivery of th[illegible] shipment without payment of freight and a[illegible] lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless ma[illegible] collect. CHECK BOX IF COLLE[illegible]

Received $ _____ to apply in prepayment of the charges [illegible] property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges or[illegible] amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a[illegible] Bill of Lading approved by the Interstate Commission.

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
[illegible] agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding [illegible] per [illegible]ability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

[illegible] fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

[illegible] post-office address of shipper _____

Scanned with CamScanner

[illegible]FORM. Carbonless Speedset® Forms Rediform, Inc. Made in Canada 44-301•Trip 44-302•Qu[illegible]

Scanned with CamScanner

Original – Not Negotiable

STRAIGHT BILL OF LADING

DTG Ent Cert

(Name of Carrier)

Carrier's Pro No. DTG-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to [illegible] agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, [illegible] by the carrier and are available to the shipper, on request;

at 4/21 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State Zip County

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTG Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	1 DT		
	ESMi / Attached			
	36.84 tons			
	4/21/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The filled boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DVG-F

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and in effect on the date hereof, if and as applicable to the shipper, on request,

all 4/21 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purpose of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DVG-F

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	Eshi A Holub			
	35.84 tons			
	4/21/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The Effective Date of this shipment conforms to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speedinet® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DAG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules in effect on the date hereof, subject to the carrier's [illegible] at the shipper, on request,

at 121 Ernest Road, Exp 4/14 20 26 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DAG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
LDT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	IAM	34.79 Ton		
		4/14/2026		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. 0443
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

Different Lots

(Name of Carrier)

RECEIVED, subject to the classifications and tariffs in effect on the date of the shipment of the property herein, the carrier and shipper, if applicable, otherwise to the rates, [illegible] to the shipment.

at 121 Terminal Road – FPLP 4/14 20 20 From 642 Allens Ave., Providence, RI

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address *

* To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [illegible] Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	1 DT		
	ESMi Attached 38.60 Tons 4/14/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

*Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

[illegible] shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
[illegible] agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
[illegible] Limitation for loss of damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).
[illegible] hereunder for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[illegible] Shipper, Per

[illegible] post-office address of shipper

Agent, Per

DIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301-Triplicate
44-302-Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DYG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at Terminal Road FRLP 4/16 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State _____ Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DYG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	1st Ld. 39.33			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speedset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable **STRAIGHT BILL OF LADING** SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DRE-8
(Name of Carrier)

RECEIVED, subject to [illegible] 121 Terminal Road FPI-P [illegible] been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper on request;

at 4/16 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Environmental Soil Mgmt

Consigned to _____

67 International Dr. Loudon NH 03307

(Mail or street address of consignee – For purposes of notification only.)

Destination _____ **State** _____ **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DRE-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling	32	T	

ESM/Attach 35.92 Tuso 4/16/2020

2nd Ld.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D&G-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 4/28 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D&G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	1st Ld. Eshi/Altdub 35.83 tons 4/28/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTE-P
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 4/28 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State _____ Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DTE-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	2nd Ld.			

Eric A Holl
34.44 tons
4/28/2020

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) E A Russell 13

RECEIVED, subject to individually determined rates or contracts that have been agreed upon or, writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address * _____

Route _____

* To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier E A Russell Car or Vehicle Initials 13 No. 13

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 TNS		
	Eshi Abbah 35.79 tons 4/30/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. (CHECK WHICH COLLECT)

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

$ _____

*Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

† The fibreboard used for this shipment conforms to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

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44-302 • Quadruplicate

[redacted]

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - EPLP 4/30 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 T		
	8 Mi Attached			
	33.22 tons			
	4/30/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
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44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at [illegible] Terminal Road - TPLP 4/30/20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T		
	[illegible]			
	3354 [illegible]			
	4/29/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplic

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No.
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier) EA Russell 13

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 4 30 2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address *

* To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier EA Russell Car or Vehicle Initials 13 No. 13

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		32 TNS		
	Esri Attached			
	35.15 tons			
	4/30/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

(The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.)

Shipper, Per [signature] Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTG5

Shipper's Bill of Lading No.

Consignee's Reference/PO No.

Carrier's Code (SCAC)

DTG Ent #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5/7 2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTG Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	1 DT		
	Ellis Asphalt			
	36.36 tons			
	5/7/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G-#9

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 5/7 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D+G-#9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	Esmi Acted			
	39.78 Tons			
	5/7/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301 • Triplicate
44-302 • Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AxL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5-12 2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ☆ _____
☆ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 LOT	Non-Hazardous Contaminated Soil for Recycling	34 T		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____.

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING — SHORT FORM

DTG Ent LLC #3

Carrier's PRO No. DTG-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being und throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrie route to said destination. It is agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every servi performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transporta this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notificatio

Destination 67 International Dr. Loudon State NH Zip03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery t

Route

Delivering Carrier DTG Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	1 DT		
	Eddie Attell 3604 Ton 5/12/2020			

Subject to Section 7 of Conditions of ap bill of lading, if this shipment is to be delive the consignee without recourse on the consi the consignor shall sign the following state The carrier shall not make delivery of th shipment without payment of freight and al lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless mar collect. CHECK BOX IF COLLECT

Received $ to apply in prepayment of the charges on property described hereon.

Agent or Cashier

Per (The signature here acknowledges only t amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part Bill of Lading approved by the Interstate Com Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadrupl

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

J Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			

33.10 Ton
5/14/2020

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. D
Shipper's Bill of Lading No.
Consignee's Reference/PO No
Carrier's Code (SCAC)

D/C Ent LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence,

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word car throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, th performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs th this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide

Route

Delivering Carrier D/C Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	1 DT		
	ESMi Attached			
	40.04 Tons			
	5/14/2020			

Subject to Section 7 of Cor bill of lading, if this shipment the consignee without recours the consignor shall sign the fo
The carrier shall not make shipment without payment of lawful charges.

(Signature of Co

Freight charges are PREPA collect. CHECK BO

Received $ to apply in prepayment of property described hereon.

Agent or Ca

Per
(The signature here ackno amount prepaid.)

Charges Adv
$

†Shipper's imprint in lieu of s Bill of Lading approved by th Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-30
44-30

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DVG 9

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5/14 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DVG-9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	22	T	
	ESRI / Attdub			
	33.92 / tons			
	5/14/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speedset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original - Not Negotiable

STRAIGHT BILL OF LADING

TL Leasing

Name of Carrier

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference PO No. _____
Carrier's Order No. _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and lawfully in effect on the date of shipment, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own road or its own water line, otherwise to deliver to another carrier on the route to said destination. It is agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

From 542 Allens Ave, Providence, RI

The following named Consignor hereby offers and agrees to deliver to the Consignee at the destination named below, subject to the classifications and lawfully filed tariffs in effect on the date of this Bill of Lading, the property described below, which the Consignor certifies is properly classified, described, packaged, marked and labeled, and in proper condition for transportation according to the applicable regulations of the Department of Transportation. The Consignor certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classifications or tariffs which govern the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consignor No. Environmental Soil Mgmt

Destination 57 International Dr. Loudon State NH 03307 County _____ Mail or Street address of Consignee—For purposes of notification only. Delivery Address * _____

* To be filled in only when Shipper desires and agrees to pay special service charge.

Route _____

Delivering Carrier _____ Car or Vehicle Initials 97719 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Gary Attell 32 ton			
	36.75 tons			
	6/12/2020			

* If the consignment moves between two ports by a carrier by water, the law requires that the bill of lading states whether it is carrier's or shipper's weight.
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____.

Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

The fibre box used for the consigned articles is the manufacturer as set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speedlock® Forms
Rediform, Inc. Made in Canada

Scanned with CamScanner

104480

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 6/12/2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T. C. Leasing Car or Vehicle Initials 88716 MA No. 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		35 ton		
	8 mi Attached			
	34.81 ton			
	6/12/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
greed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
ility Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Frank Agent, Per _____

ent post-office address of shipper _____

DIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Scanned with CamScanner

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. ____
Shipper's Bill of Lading No. ____
Consignee's Reference/PO No. ____
Carrier's Code (SCAC) ____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, [illegible] the carrier and use available to the shipper, on request:

at 121 Terminal Road - FPLP 6-9-20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt (Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County ____ Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route ____

Delivering Carrier J. Webber Car or Vehicle Initials ____ No. ____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			
	Eric Attolch			
	36.10 tons			
	6/9/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ ____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per ____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ ____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding ____ per ____

Liability limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The Shipper's imprint used for this shipment conforms to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per ____ Agent, Per ____

Permanent post-office address of shipper ____

REDIFORM

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44-301•Triplicate
44-302•Quadruplicate

1

Original – Not Negotiable

STRAIGHT BILL OF LADING

DTG Ent Lcc #3 1st Load

(Name of Carrier)

Carrier's Pro No. DH03
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 6/9 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt.

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTG Ent Car or Vehicle Initials 3 No. 3

No. of Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	1 DT		
	8 Mi Attached			
	35.39 Ton			
	6/9/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor the consignee shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per

(The signature here acknowledges only the amount prepaid.)

Charges Advanced

$

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B)

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM.

Carbonless Speedset® Forms
Rediform, Inc. Made in Canada

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44-302•Quadruplicate

44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6/9 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	1ST Ld. ESM Attached 35.33 tons 6/9/2020			

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

John Weber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules in effect on the date hereof, lawfully filed with the carrier and are available to the shipper, on request.

at 121 Terminal Road - PVD 6-9 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____ (Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Weber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Soil Added			
	36.04 Tons			
	6/09/2022			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____.

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speedset® Forms
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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. D16-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DSC Eng Lec #3 2nd Level

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Yellow Terminal Road - PPLP 6/9 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [signature] Car or Vehicle Initials 5 No. 5

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	1 DT		
	Eli A Holch			
	39.56 tons			
	6/9/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D&G

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6/9 20 20 From 642 Allens Ave., Providence RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** D+G-F

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32#	T	
	2nd Ld Eby Attach 36.39 Tons 6/9/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $_____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The rate for this shipment conforms to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

105720

Original – Not Negotiable **STRAIGHT BILL OF LADING** SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

ECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, therwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

121 Terminal Road - FPLP 6/12/2020 From 642 Allens Ave., Providence, RI

property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood oughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the e to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be ormed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

igned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

ation 67 International Dr. Loudon state NH 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

ing Carrier T.C. Leasing Car or Vehicle Initials 88716 MA No. 659

Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
Non-Hazardous Contaminated Soil for Recycling			
	35TON		
[illegible]			
35.44 [illegible]			
6/12/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

noves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
ed value of the property is hereby specifically stated by the shipper to be not exceeding per
n for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

ddress of shipper _____

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Rediform, Inc. Made in Canada

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44-302•Quadruplic

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Original – Not Negotiable

STRAIGHT BILL OF LADING. SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

To Seaway
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6-2 20 20 From 642 Allens Ave. Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which the carrier agrees throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials 97719 No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	ESMI/Attach 35 Tons			
	38.33 tons			
	6/2/202			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____.
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).
The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

current post-office address of shipper _____

1

EDIFORM

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44-302•Quadruplicate

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and tariffs in the carrier and are available to the shipper, on request;

at Pittsfield Road - FPL 6/2 20 2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification or

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery the

Route _____

Delivering Carrier T.C. Bessing Car or Vehicle Initials 88716 No. 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		35 ton		
	ESMi Artell			
	42.19 Ton			
	6/2/2020			

Subject to Section 7 of Conditions of ap bill of lading, if this shipment is to be deli the consignee without recourse on the con the consignor shall sign the following stat The carrier shall not make delivery o shipment without payment of freight an lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unle collect. CHECK BOX IF CO

Received $ _____ to apply in prepayment of the ch property described hereon.

Agent or Cashier

Per _____ (The signature here acknowle amount prepaid.)

Charges Advan

$ _____

†Shipper's imprint in lieu of sta Bill of Lading approved by the Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre box used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

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44
44

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STRAIGHT BILL OF LADING — SHORT FORM

T C Hauling
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper on request;

at 121 Terminal Road - PVD 6-2 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____ (Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials 97719 No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Soil / Asphalt 35 ton			
	37.97 ton			
	6/2/2020			

Subject to Section 7 of Conditions of applicat bill of lading, if this shipment is to be delivered the consignee without recourse on the consignor the consignor shall sign the following statement The carrier shall not make delivery of this shipment without payment of freight and all o lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless mark collect. CHECK BOX IF COLLECT

Received $ _____ to apply in prepayment of the charges property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges amounts prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp, Bill of Lading approved by the Interstate Commerce Commission.

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†Fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Post-office address of shipper _____

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44-30
44-3

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119240

Original – Not Negotiable **STRAIGHT BILL OF LADING** **SHORT FORM**

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP June 2 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being un throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carri route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every ser performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if th or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transpo this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notifi

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for del

Route _____

Delivering Carrier T.C. Leasing **Car or Vehicle Initials** 88716 MA **No.** 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		35 Ton		
	ESM Attached			
	35.71 Tons			
	6/2/2020			

Subject to Section 7 of Conditic bill of lading, if this shipment is to the consignee without recourse on the consignor shall sign the follov The carrier shall not make de shipment without payment of fr lawful charges.

(Signature of Con

Freight charges are PREPA collect. CHECK BO

Received $ _____ to apply in prepayment o property described hereo

Agent or

Per _____ (The signature here ac amount prepaid.)

Charges $ _____

†Shipper's imprint in li Bill of Lading approve Commission.

shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
TE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
ed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

y Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

e boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** [signature] **Agent, Per** _____

post-office address of shipper _____

FORM.

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber **(Name of Carrier)**

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6-4 **20** 26 **From** 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address ★** _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			
	[illegible]			
	35.49 ton			
	6/4/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____
(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

_____
Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTC 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTC Truck #3 — 1st Load

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 6/4 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address *

* To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTC Truck #3 Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Columns
	Non-Hazardous Contaminated Soil for Recycling	1 DT		
	Ben Arnold 36.59 Ton 6/4/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

† Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

† The fibre box used for this shipment conforms to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM.

Carbonless Speediset® Forms
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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6-4 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	1st Ld	36.83 6/4/2020		
		tons		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301-Triplicate
44-302-Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pre No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and tariffs established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 6-4 2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH zip 03307 County _____ Delivery Address * _____

* To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier D Weller Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			
	ESMI/Attleb			
	36,20 Tons			
	6/4/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

† The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

1

Original – Not Negotiable

STRAIGHT BILL OF LADING

DeBlois #3

Carrier's Pre No. 3463
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 6/9 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier DeBlois Trucking Car or Vehicle Initials 9 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	127		
	Shri Ashok			
	39.06 Ton			
	6/9/2022			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____.

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The Core blocks used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTC-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 6-4 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTC-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	2nd Load	35.82 Tn		
		6/4/22		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
_____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No.
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that are applicable to the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 5/28 2020 From 642 Alton Ave, Providence RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County

(Mail or street address of consignee – for purposes of notification only.)
Delivery Address *

* To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier

Car or Vehicle Initials No. DG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	1st Ld.			
		38.12 Tons		
		5/28/2020		

Subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. Check box if collect ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

$

Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading states whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per

Liability limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per

Agent, Per

Permanent post-office address of shipper

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301 Triplicate
44-302 Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AxL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] **Car or Vehicle Initials** _____ **No.** 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 OT	[signature]	34T		
	34.44 tons			
	5/28/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

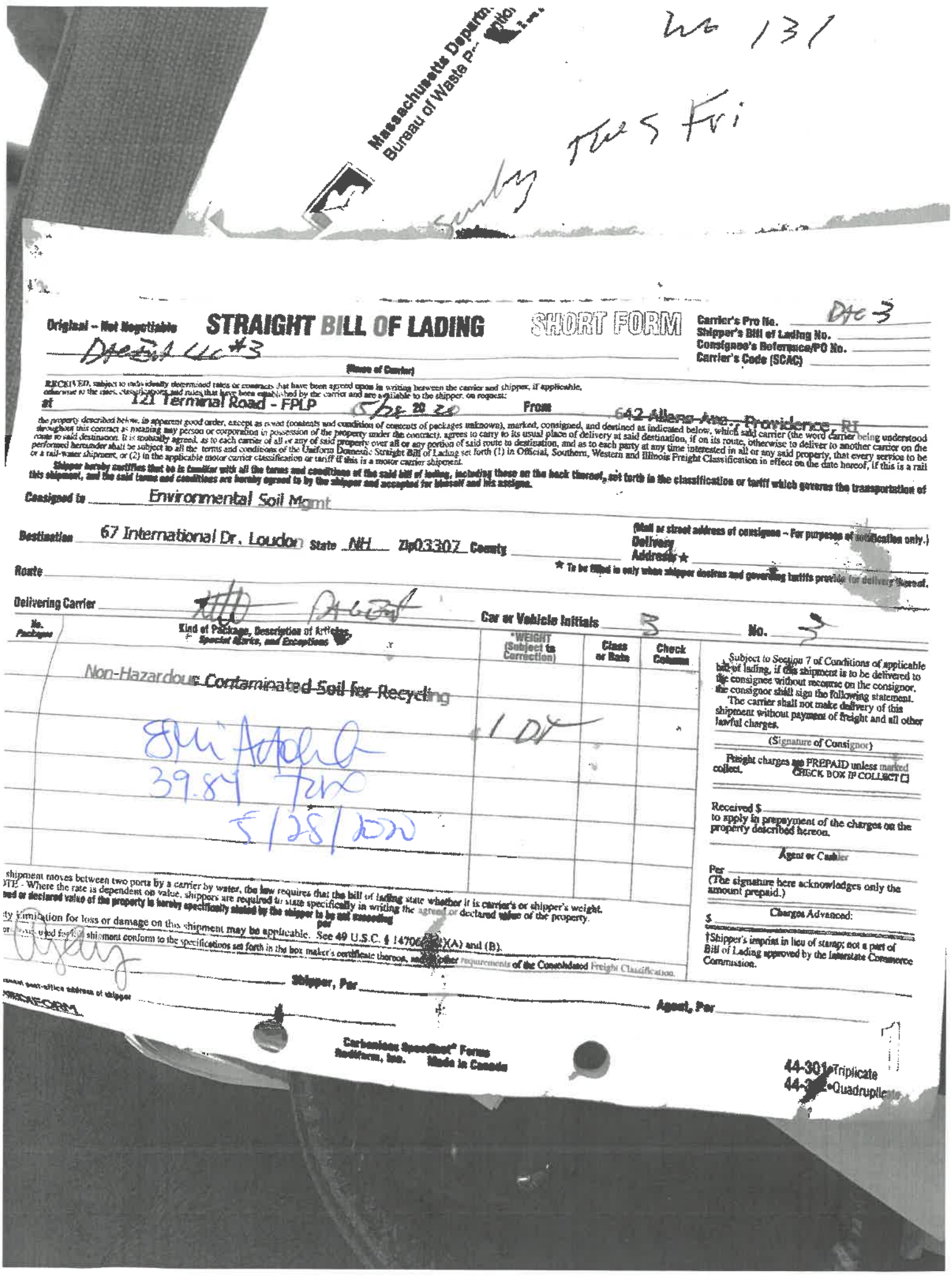
Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

1



Massachusetts Departm...
Bureau of Waste P...

No 131

Sunby Thes Fri

Original – Not Negotiable **STRAIGHT BILL OF LADING** SHORT FORM

Carrier's Pro No. DAC 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DAC Bill LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 5/28 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier ~~[illegible]~~ DAC Bill

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	8 Mi Applied	1 DT		
	39.84 Tons			
	5/28/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

...shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
...TE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
...ed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
...ty limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).
...or ...used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Agent

Shipper, Per

...ment post-office address of shipper

Agent, Per

...SHORT FORM

Carbonless Speedlast® Forms
Rediform, Inc. Made in Canada

44-301 Triplicate
44-3[illegible] Quadruplicate

Original – Not Negotiable **STRAIGHT BILL OF LADING** SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DVC-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5/28 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DVC-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	2nd Ld.	8 Mi Attold 36.31 Ton 5/28/2020		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

DTE Ent LLC #3

Carrier's Pro No.
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

(Name of Carrier)

at 121 Terminal Road - FPLP 6/15 20 20 From 642 Allenc Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State 03307 County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTE Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	LDT		
	Eli Arnold 36.81 Ton 6/15/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

EDIFORM

Carbonless Speedset® Forms Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Angela Holub
Office Manager

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6-15 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	EMi Attach			
	36a 39 Tons			
	6/15/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DtG Ent LCC #3 — 1st Load

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6/16 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being u throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carri route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every serv performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if thi or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transport this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notificati

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery

Route _____

Delivering Carrier [signature] DtG Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	1 DT		
	ESMi Attached			
	37.31 tons			
	6/16/2020			

Subject to Section 7 of Conditions of appl bill of lading, if this shipment is to be delive the consignee without recourse on the consi the consignor shall sign the following state The carrier shall not make delivery of t shipment without payment of freight and lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless collect. CHECK BOX IF COL

Received $ _____ to apply in prepayment of the charg property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; no Bill of Lading approved by the Interst Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Trip
44-302•Qua

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 122 Terminal Road - FPLP 6/16 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	1st Ld.			

Sen A Abelle
39.46 fax
6/16/2020

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. ____
Shipper's Bill of Lading No. ____
Consignee's Reference/PO No. ____
Carrier's Code (SCAC) ____

Pt Gen Cl Cts Sh Lad

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6/16 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier bei throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, i or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transp this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notific

Destination 67 International Dr. Loudon State NH Zip 03307 County ____ Delivery Address ★ ____

★ To be filled in only when shipper desires and governing tariffs provide for deliva

Route ____

Delivering Carrier [signature] Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	1 DT		
	[signature] 36.59 tons 6/16/2020			

Subject to Section 7 of Conditions of bill of lading, if this shipment is to be d the consignee without recourse on the c the consignor shall sign the following s

The carrier shall not make delivery shipment without payment of freight a lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless collect. CHECK BOX IF COL

Received $ ____ to apply in prepayment of the charg property described hereon.

Agent or Cashier

Per ____ (The signature here acknowledges o amount prepaid.)

Charges Advanced

$ ____

†Shipper's imprint in lieu of stamp, not a Bill of Lading approved by the Interstate C Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding ____ per ____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per ____ Agent, Per ____

Permanent post-office address of shipper ____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadrupl

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DOG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 6/16 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DOG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	Emi Attalah			
	36.57 tons			
	6/16/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

(Shipper's Supply in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.)

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B)

(The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.)

Agent, Per _____

Shipper, Per _____

Permanent post-office address of shipper _____

44-301•Triplicate
44-302•Quadruplicate

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) Gurrisi Brothers 01

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 8/27 2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ (Mail or street address of consignee – For purposes of notification only.) Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	21		
	337020 Ticket	...		
	[illegible]			
	24.40 Tons			
	8/27/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

ability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

nment post-office address of shipper _____

1

44-301•Triplicate
44-302•Quadruplicate

EDIFORM
Carbonless Speedset® Forms
Rediform, Inc. Made in Canada

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) Gurris, Bros 32

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 8/27 2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	21		
	337021			
	Elm Arthur			
	22.03 Tons			
	8/27/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The filing boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speedlest® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper, on request;

9/1 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	1ST Ld. Esri Attached			
	35.91 Tons			
	9/1/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE– Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____.

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiberboxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

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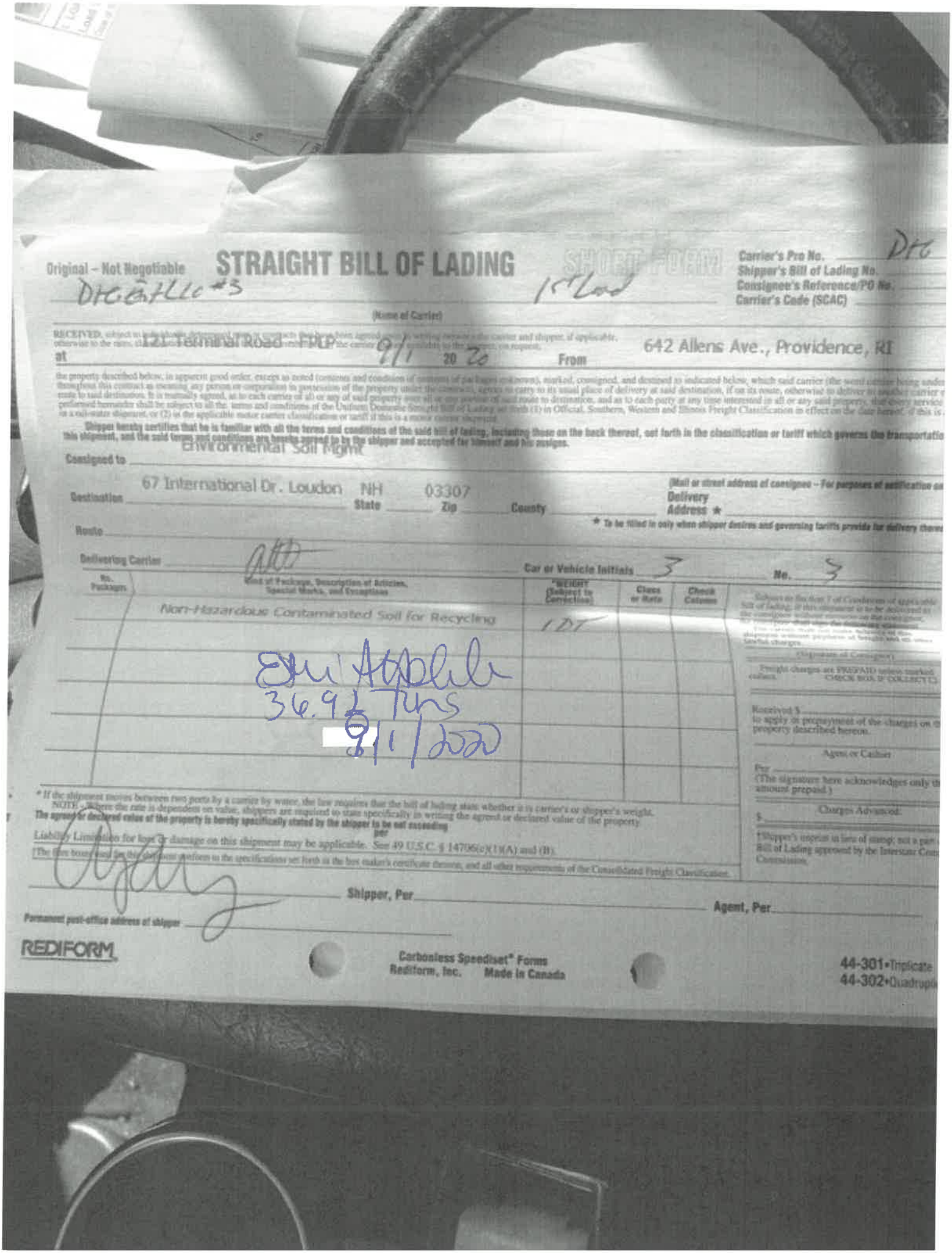

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTG
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTG Trucking #3 — 1st Load

(Name of Carrier)

RECEIVED, subject to [illegible] from agreed or declared value of the property in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules in effect on the date of this bill of lading, the carrier [illegible] to the service on request,

at 121 Terminal Road - Pier 9 1 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County

(Mail or street address of consignee – For purposes of notification only)
Delivery Address *

* To be filled in only when shipper desires and governing tariffs provide for delivery thereto

Route

Delivering Carrier DTG Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	1 DT		
	Soil Applied 36.92 Tons 9/1/2020			

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

The fibre boxes used on this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Agent, Per

Permanent post-office address of shipper

Received $ to apply on prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Freight charges are PREPAID unless marked otherwise. CHECK BOX IF COLLECT ☐

Signature of Consignor

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and tariffs in effect on the date hereof, if the carrier and are available to the shipper, on request;

at 121 Terminal Road PTP 9/1 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	2nd	Esmi/Attached		
		33.40	tons	
		9/1/2020		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No.
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DHG Ent LLC #3 2nd

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and available to the shipper, on request;

at 121 Terminal Road - FPLP 9/1 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [signature] DHG Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	1DT		
	[signature] 23.79 Tons 9/1/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The filing bases sold for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

1st Load

Carrier's Pro No. DG-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DHG Ent LLC #3

(Name of Carrier)

RECEIVED, subject to [illegible] agreed upon in writing between the carrier and shipper, if applicable, [illegible] are available to the shipper, on request.

at 121 Terminal Road [illegible] 9/29 20 23 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Right

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address *

* To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [illegible] DHG Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	1175	325	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT

Received $ to apply in prepayment of the charges on property described hereon.

Agent or Cashier

Per (The signature here acknowledges only amount prepaid.)

Charges Advanced:
$

[Shipper's imprint in lieu of stamp, not a [illegible] Bill of Lading approved by the Interstate C[illegible] Commission.

Shi Attalab
34.08 Tons
9/29/2020

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

*The filed bonus rent for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[illegible] Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9-29 2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understo throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on t route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a t or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification on

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thor

Route _____

Delivering Carrier _____ Car or Vehicle Initials 97719 No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Elm Attachments 32 Boxes			
	35.88 tons			
	9/29/2020			

Subject to Section 7 of Conditions of applic bill of lading, if this shipment is to be delivere the consignee without recourse on the consign the consignor shall sign the following statemen The carrier shall not make delivery of this shipment without payment of freight and all lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless mark collect. CHECK BOX IF COLLECT

Received $ _____ to apply in prepayment of the charges o property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a pa Bill of Lading approved by the Interstate Co Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9-29 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier bein throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another c route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transp this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notific

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for deliv

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 25

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30 tons		
	Esh Attach			
	33.40 tons			
	9/29/2020			

Subject to Section 7 of Conditions of bill of lading, if this shipment is to be de the consignee without recourse on the co the consignor shall sign the following sta The carrier shall not make delivery o shipment without payment of freight an lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless r collect. CHECK BOX IF COLL

Received $ _____ to apply in prepayment of the charges property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges onl amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a pa Bill of Lading approved by the Interstate Co Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per [signature] 9-29-20

Permanent post-office address of shipper _____

REDIFORM

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STRAIGHT BILL OF LADING SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - PLP 9/29/20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being us throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carri route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every ser performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if th or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transpo this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ (Mail or street address of consignee – For purposes of notific Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for del

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		35 Tons		
	Edy Attell			
	34.85 Tons			
	9/29/2020			

Subject to Section 7 of Conditi bill of lading, if this shipment is to the consignee without recourse or the consignor shall sign the follo The carrier shall not make de shipment without payment of fr lawful charges.

(Signature of Con

Freight charges are PREPA collect. CHECK BO

Received $ _____ to apply in prepayment of property described hereo

Agent or

Per _____ (The signature here ac amount prepaid.)

Charges $ _____

†Shipper's imprint in li Bill of Lading approve Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

EDIFORM

Carbonless Speedinet® Forms
Rediform, Inc. Made in Canada

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Original – Not Negotiable

DTC Ent LLC #3

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTC-3

Shipper's Bill of Lading No.

Consignee's Reference/PO No.

Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to [illegible] rules and regulations of this carrier and such rules and regulations in effect on the date hereof, if this is a rail or rail-water shipment, or on the date of issue of this Straight Bill of Lading, if this is a motor carrier shipment, from 642 Allens Ave., Providence, RI

at 9/29 2020

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Environmental Soil Night

Consigned to

Destination 67 International Dr. Loudon NH 03307

State Zip County

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address *

* To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier pitt DTC Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	1 DT 32T		
	Ent Attached 38.36 tons 9/29/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

Signature of Consignor

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

The fibre box used for this shipment conforms to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM.

Carbonless Specialist® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadrup

Original – Not Negotiable

STRAIGHT BILL OF LADING — SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

T. Tarling
(Name of Carrier)

[illegible] Environmental Road [illegible] agreed upon in writing between the carrier and shipper, if applicable, [illegible] are available to the shipper, on request;

9-29-20 20 From 642 Allens Ave., Providence, RI

[illegible] shipper, as indicated below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is [illegible] agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be [illegible] hereof shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Marked to Environmental Soil Mgmt

Location 67 International Dr. Loudon NH 03307
State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier _____ Car or Vehicle Initials 97719 No. 4

Rate	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	32 YDS			
	34.08 Ton 9/29/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____
(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

_____
Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

*If shipment moves between two ports by a carrier by water, the law requires that the bill of lading states whether it is carrier's or shipper's weight.
Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____.
[illegible] for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).
[illegible] for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Mailing address of shipper _____

RM

Carbonless Speedifast® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

1

Scanned with CamScanner

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DHG-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DHG Ent Lect #3 1st Load

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that are applicable to the shipper, on request,

at 121 Terminal Road FILP 10/6 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being ... throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another ... route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every ... performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, ... or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transp... this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notifi...

Destination 67 International Dr. Loudon NH State 03307 Zip County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for dell...

Route

Delivering Carrier DHG Ent Car or Vehicle Initials 5 No. 5

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	1 DT		

Esmi Attolich
36-06 Tax
10/6/2020

Subject to Section 7 of Conditions ... bill of lading, if this shipment is to be ... the consignee without recourse on the ... the consignee shall sign the following ... The carrier shall not make delivery ... shipment without payment of freight ... lawful charges.

Signature of Consignee

Freight charges are PREPAID unless ... collect. CHECK BOX IF ...

Received $ ... to apply in prepayment of the ch... property described hereon.

Agent or Cashier

Per ... (The signature here acknowledges ... amount prepaid.)

Charges Advanced

$

†Shipper's imprint in lieu of stamp ... Bill of Lading approved by the Inte... Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The filing bond used for this shipment conforms to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per ... Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speedset® Forms
Rediform, Inc. Made in Canada

44-301...
44-302...

Original – Not Negotiable

STRAIGHT BILL OF LADING — SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G 8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 10/6 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. D+G 8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	Fuel Surcharge 35.82 tax 10/6/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

† The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DH6
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DH6 Ent CCC #3 2nd Load

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 10/6 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being in [illegible] throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another [illegible] route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every [illegible] performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if [illegible] is a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classifications or tariff which governs the transport [illegible] this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notificat[illegible])

Destination 67 International Dr. Loudon NH State 03307 Zip County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery

Route

Delivering Carrier DH6 Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	1 DT		

Ely Attelb
35 98 Tuxo
10/6/2020

Subject to Section 7 of Conditions of [illegible] bill of lading, if this shipment is to be delivered to the consignee without recourse on the [illegible] the consignee shall sign the following statement:
The carrier shall not make delivery of [illegible] shipment without payment of freight and [illegible] lawful charges.

(Signature of Consignee)

Freight charges are PREPAID unless [illegible] collect. CHECK BOX IF COLL[illegible]

Received $ to apply in prepayment of the charges [illegible] property described hereon.

Agent or Cashier

Per (The signature here acknowledges [illegible] amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; [illegible] Bill of Lading approved by the Interstate [illegible] Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The filer hereby said for this shipment conforms to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speedisot® Forms
Rediform, Inc. Made in Canada

44-301
44-302

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DG-8 (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10/6 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	2nd Ld			

Ellen Attolich
35114 Tons
10/6/2020

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speedisot® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTG 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTG Ent LCC #3 1st Load

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road FPLP 10/8 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being w... throughout this contract is meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another car... route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every ... performance hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if th... or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transport... this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notificati...)

Destination 67 International Dr. Loudon NH State 03307 Zip County

Delivery Address *

* To be filled in only when shipper desires and governing tariffs provide for delivery ...

Route

Delivering Carrier DTG Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T (FST)		
	Ben Attalah			
	34.23 tons			
	10/8/2020			

Subject to Section 7 of Conditions of applica... bill of lading, if this shipment is to be delivered ... the consignee without recourse on the consignor ... the consignor shall sign the following statement: The carrier shall not make delivery of this ... shipment without payment of freight and all ... lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless mark... collect. CHECK BOX IF COLLECT

Received $ ... to apply in prepayment of the charges on ... property described hereon.

Agent or Cashier

Per ... (The signature here acknowledges only ... amount prepaid.)

Charges Advanced

$ ...

†Shipper's imprint in lieu of stamp, not a part ... Bill of Lading approved by the Interstate Co... Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fine black seal for this shipment outlines to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per ... Agent, Per ...

Permanent post-office address of shipper

REDIFORM

Carbonless Speedset® Forms
Rediform, Inc. Made in Canada

44-301 • Triplicate
44-302 • Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DAG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PLP 10/8 2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 **State** _____ **Zip** _____ **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address * _____

* To be filled in only when shipper desires and governing tariffs provide for delivery thereat.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DAG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	1 ST Ld.			
	Stu Attached			
	34.48 Tons			
	10/8/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiberboxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

Wm 6 ... 27 17 ... WW 10 ... NH 100 ... WA 68

Original – Not Negotiable

STRAIGHT BILL OF LADING

Dtc Ent LLC #3

(Name of Carrier)

Carrier's Pro No. Dtc 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to the terms and conditions of the carrier and shipper, if applicable, otherwise to the date, the 121 Terminal Road - FPLP agreed upon in writing between the carrier and shipper, if applicable, otherwise to the date, the 10/8 20 20 From 642 Allens Ave., Providence, R1 at

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof. If this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip County

Delivery Address *

* To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Dtc Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30 TEST		

Esly Athol
35.99 tons
10/8/2020

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

$

Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

(The fire hazard for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

44-301-Duplicate
44-302-Quadruplicate

REDIFORM

Carbonless SpeedRoot® Forms
Rediform, Inc. Made in Canada

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DG-F

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 10/8 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State _____ Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DG-F

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	2nd Ld			

Ely Attached
36.56 tons
10/8/2020

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speedset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. ____
Shipper's Bill of Lading ...
Consignee's Reference/P...
Carrier's Code (SCAC) ____

J C Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Terminal Road - FEDEX 642 Allens Ave., Providence, 10/27 2020 From

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word ca... throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to... route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, th... performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date... or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs th... this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State ____ Zip ____ County ____

(Mail or street address of consignee – For purposes of ...)
Delivery Address ★ ____

★ To be filled in only when shipper desires and governing tariffs provide for...

Route ____

Delivering Carrier ____ Car or Vehicle Initials 97719 No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	32 tons			
	ESM Attached			
	33.09 Tons			
	10/27/2020			

Subject to Section 7 of Conditi... bill of lading, if this shipment is to... the consignee without recourse on... the consignor shall sign the follow...
The carrier shall not make deli... shipment without payment of frei... lawful charges.

(Signature of Consig...

Freight charges are PREPAID ... collect. CHECK BOX ...

Received $____ to apply in prepayment of the property described hereon.

Agent or Cashi...

Per ____
(The signature here acknowle... amount prepaid.)

Charges Advan...
$____

†Shipper's imprint in lieu of sta... Bill of Lading approved by the ... Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding ____ per ____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per ____ Agent, Per ____

Permanent post-office address of shipper ____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-3
44-3

Scanned with CamScanner

Original – Not Negotiable

STRAIGHT BILL OF LADING SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing Corp
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 641 Allens Ave Providence 10-27 2020 From National Grid

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ (Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 25

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 Tons		
	Est Actual 34.61 Tons 10/27/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____.

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ 10-27-20 Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Scanned with CamScanner

2

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

[illegible]
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, [illegible] the carrier and are available to the shipper, on request:

at _____ 20 _____ From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being u throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another car route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every ser performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if th or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transpor this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notificat

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery

Route _____

Delivering Carrier _____ Car or Vehicle Initials 97719 No. 41

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Esmi Attalah 32 tons			
	34.82 tons			
	10/19/2020			

Subject to Section 7 of Conditions of ap bill of lading, if this shipment is to be deliv the consignee without recourse on the cons the consignor shall sign the following state The carrier shall not make delivery of th shipment without payment of freight and a lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless mar collect. CHECK BOX IF COLLEC

Received $ _____ to apply in prepayment of the charges or property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only t amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part o Bill of Lading approved by the Interstate Com Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

*The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speedset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplica

Original – Not Negotiable

STRAIGHT BILL OF LADING SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Mystic Motor Trans (Name of Carrier)

RECEIVED, subject to individually determined motor carrier contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper, on request;

at _____ 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mystic Motor Trans Car or Vehicle Initials MMT No. 27

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
LTD	Non-Hazardous Contaminated Soil for Recycling	32 Tons EST		
	Edu Attached			
	36.27 Tons			
	10/19/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing Corp
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at Allens Ave Providence RI 10-19 2020 From National Grid

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 25

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 tons		
	[illegible]			
	33.16 ton			
	10/19/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commer Commission.

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per [signature] 10-19-20 Agent, Per _____

Permanent post-office address of shipper RM. 11

1

44-301•Triplicate
44-302•Quadruplicate

RED FORM

Carbonless Speedset® Forms
Rediform, Inc. Made in Canada

Scanned with CamScanner

1

Shipper — Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignor's Reference PO No. _____
Carrier's Date (Stamp) _____

VC Leasing

Name of Carrier

[illegible]

[illegible] 10-[illegible]-2020 Point [illegible] 542 Allens Ave., Providence, RI

[illegible]

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, and hereby [illegible]

Consigned to: Environmental Soil Night

Destination: 67 International Dr., Loudon NH 03307 State _____ Zip _____ County _____

Mail or street address of consignee—For purposes of notification

Delivery Address or _____

Route: _____

Delivering Carrier: _____ Car or Vehicle Initials: [illegible] No. [illegible]

No. Packages	Kind of Packages, Description of Articles, Special Marks, and Exceptions	*Weight Subject to Correction	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Edw A Hobb 32 [illegible]			
	34.73 tons			
	10/19/2020			

[illegible]

Shipper, Per: _____ Agent, Per: _____

Permanent notification of shipper: _____

REDFORM

Customized Specified® Forms
Redform, Inc. Made in Canada

[illegible]

Gross 111300

riginal – Not Negotiable **STRAIGHT BILL OF LADING** **SHORT FORM**

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

ECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, therwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

t 121 Terminal Road - FPLI 10/19/2020 From 642 Allens Ave., Providence, RI

e property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood roughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the ute to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be rformed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of is shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

onsigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

estination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

oute _____

elivering Carrier T.C. Lessing Car or Vehicle Initials 88716 No. 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		35 Tons		
	[signature]			
	38.22 tons			
	10/19/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all othe lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on th property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part o Bill of Lading approved by the Interstate Comm Commission.

he shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
greed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

ility Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per [signature]

ent post-office address of shipper _____

DIFORM. Carbonless Speedset® Forms Rediform, Inc. Made in Canada 44-301•Triplicate 44-302•Quadrupl

Original – Not Negotiable **STRAIGHT BILL OF LADING** **SHORT FORM**

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Mystic Motor Truns (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at _____ 20 _____ From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** _____ **Zip** 03307 **County** _____ **(Mail or street address of consignee – For purposes of notification only.)** **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mystic Motor Truns **Car or Vehicle Initials** MMT **No.** 27

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1TD	Non-Hazardous Contaminated Soil for Recycling	32 Tons EST		
	[illegible]			
	31.12 tons			
	10/19/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** [signature] **Agent, Per** _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Lansing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, FLP 11-2 2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereon

Route _____

Delivering Carrier _____ Car or Vehicle Initials 97719 No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Esm Attell 32 tons			
	33.75 Tax			
	11/2/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplica
44-302•Quadro

Scanned with CamScanner

Original – Not Negotiable **STRAIGHT BILL OF LADING** **SHORT FORM**

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DIG 8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, EPLP 12/22 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to _____

67 International Dr. Loudon NH 03307

(Mail or street address of consignee – For purposes of notification only.)

Destination _____ **State** _____ **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DIG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM.

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPL 12/22/20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	2nd Ld	35.85	Tny	
		12/22/2020		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 01-02-2020 **From** 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

(Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** AXL **No.** 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 LOT		34T		

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____
(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

_____
Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

4

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

AVL

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 171 Terminal Road - PVD 01-03-2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** _____ **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** AVL **No.** 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 DT		34T		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Chris

Shipper, Per _____ **Agent, Per** _____

4

Permanent post-office address of shipper _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road PLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State _____ Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier mile Ails Car or Vehicle Initials AXL No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 DT		34T		
	[signature]			
	32.58 [illegible]			
	2/4/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. Big
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DAG Ent Lcls

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Head Dr. 2/4 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DAG Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	1DT		
	EM Abbe			
	36.25 Ton			
	2/4/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

1

REDIFORM

Carbonless Speedset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original -- Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper, on request;

at _____ 2-11 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee -- For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier * My DTG Truck Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32 *	T	
	Jim Attell			
	40.01 Tons			
	2/11/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, FPLP * 2/11 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier * DAC Ent Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		* 32T EST		
	ESMi Attached			
	38.14 tons			
	2/11/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, PRP 2-11 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier * _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		30 tons		
	[illegible]			
	34.48 tons			
	2/11/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] 2-11-20 Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Mystic
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications [illegible] in effect on the date hereof, lawfully filed with the carrier and are available to the shipper, on request;

at _____ 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mystic Car or Vehicle Initials 39 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Estimated			
	30.55 Tons			
	2/14/2022			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.
Carbonless Speediset® Forms
Rediform, Inc. Made in Canada
44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - EPLB 2-14 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mystic #29 Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1	Non-Hazardous Contaminated Soil for Recycling			
	[signature]			
	3881 tons			
	2/14/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 11 Terminal Road, EHP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State _____ Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mystic Car or Vehicle Initials 2AP282 No. 44

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	[signature]			
	30.28 [illegible]			
	2/14/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Mystic
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - Pier 2/14 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mystic Car or Vehicle Initials 39 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		*31		
	Ellu Arbella			
	33.18 Tons			
	2/14/20			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications [illegible] in effect on the date hereof, specified herein and which are agreed to by the carrier and are available to the shipper, on request;

at _____ 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mystic Car or Vehicle Initials _____ No. 29

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1	Non-Hazardous Contaminated Soil for Recycling	30 Tan		
		*		
	Glen Ashdown			
	31.15 Tons			
	2/17/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 28 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mystic Car or Vehicle Initials ZAD252 No. 44

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		of 30 Tons		EST
	28.61 Tons			
	2/14/20			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).
†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

ESMI of N.H.

Customer Usage by Date

Date Range 1/27/2020 to 1/31/2020
Customer Range 1080SR10 to ZZLLD10
Order Range 12254 to 12254
Material Range 18/MINI to ZLA

Date Run: 01/31/20
Time Run 12:35 PM

Date	Number	Truck ID	Material ID	Unit	Net	Material $	Delivery $	Tax / Misc $	Total $
Customer: NG60 - National Grid									
Order: 12254 - 121 Terminal Road - FPLP									
	121 Terminal Road	Providence	RI						
1/28/2020	333905	AXL14	CT01	0.00	37.00 tn				
1/28/2020	333932	TC762	CT01	0.00	34.33 tn				
1/29/2020	333944	WEBB02	CT01	0.00	37.74 tn				
1/29/2020	333945	DG08	CT01	0.00	37.20 tn				
1/29/2020	333958	DG03	CT01	0.00	37.42 tn				
1/29/2020	333967	WEBB02	CT01	0.00	37.60 tn				
1/29/2020	333968	DG08	CT01	0.00	37.90 tn				
1/30/2020	333980	AXL14	CT01	0.00	32.18 tn				
1/30/2020	333982	MYSTIC39	CT01	0.00	30.36 tn				
1/30/2020	333983	MYSTIC44	CT01	0.00	29.22 tn				
1/30/2020	333985	MYSTIC26	CT01	0.00	35.15 tn				
1/31/2020	334018	MYSTIC37	CT01	0.00	34.60 tn				
1/31/2020	334022	TC762	CT01	0.00	37.57 tn				
COAL TAR	**Totals**			0.00	458.27 tn				
Total Tickets: Tickets: 13									
12254 - 121 Terminal Road - FPLP Totals					458.27 tn				
Tickets: 13									
NG60 - National Grid Totals					**458.27 tn**				
Tickets: 13									
Grand Totals					**458.27 tn**				
Total Tickets: 13									

Original – Not Negotiable

STRAIGHT BILL OF LADING SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier mh Roads Car or Vehicle Initials AXL No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 OT	Non-Hazardous Contaminated Soil for Recycling ESM Approved 37-00 tons 1/28/2020	34T		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre box used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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Carbonless Speediset® Forms
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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

T.C. Lersey

(Name of Carrier)

Carrier's Pro No. _____
Shipper's BIN of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC Lersey Car or Vehicle Initials 28719 No. 762

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	34 TON		
	34.33 TONS			
	1/28/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The ☐ are boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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Original – Not Negotiable

STRAIGHT BILL OF LADING SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPE 1/29/2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Environmental Soil Mgmt

Consigned to _____

Destination 67 International Dr. Loudon NH 03307

State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber

Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	Eshetholo			
	3774 Tons			
	1/29/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____.

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

DTG-8

(Name of Carrier)

Carrier's Pre No.
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 1-29 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTG Fleet

Car or Vehicle Initials No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32	T	
	Edw Attard			
	37.20 Tons			
	1/29/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Agent, Per

Permanent post-office address of shipper

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1

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 1/29 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Dtg Ent LLC #3 Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T (EST)		
	Esri Attached			
	37.42 tons			
	1/29/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 1,29 2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webb Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	Eli Attach			
	37.60 tns			
	1/29/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____.
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

Original – Not Negotiable **STRAIGHT BILL OF LADING** **SHORT FORM**

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] the carrier and [illegible] available to the shipper on request;

at 121 Terminal Road PVD 1-21 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** _____ **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier D+G-Ent. **Car or Vehicle Initials** _____ **No.** D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	8th Attach			
	37.90 tons			
	1/29/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

AxL

(Name of Carrier)

Carrier's Pro No.
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road PPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [signature] Car or Vehicle Initials AxL No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 DT		34T		
	[signature]			
	32.18 tons			
	1/30/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

1

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STRAIGHT BILL OF LADING SHORT FORM

Carrier's Pro No.
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

Mystic
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper, on request;

at 121 Terminal Road Fall River 1/30 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307
State ____ Zip ____ County ____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ ____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route ____

Delivering Carrier Mystic Car or Vehicle Initials 39 No. MNT-39

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	ESN Attached			
	30.36 Tons			
	1/30/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ ____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per ____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ ____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding ____ per ____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per ____ Agent, Per ____

Permanent post-office address of shipper ____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pre No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 1/30/20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mystic Car or Vehicle Initials ZAP282 No. 4/4

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Estimated			
	29.22 tons			
	1/30/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Original – Not Negotiable **STRAIGHT BILL OF LADING** SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] published by the carrier and are available to the shipper, on request;

at 1st Terminal Road LLP 1-30 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State _____ Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier M-Stic Motor Trans Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		32 Tons		
	[signature]			
	35.15 tons			
	1/30/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) 1/31/20

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper, on request;

at 121 Terminal Road PVD 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State ____ 03307 Zip ____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier MYSTIC MOTOR Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32		
	SWI Hold			
	34.60 Tons			
	1/31/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper, on request;

at 12 Terminal Road - PVD 1-31 2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T C LEASING Car or Vehicle Initials 28719 No. 762

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		35 Tons		
	ESM Approved			
	37.57 tons			
	1/31/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pre No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper, on request;

at Fall River Terminal Road Fall River on 2-25 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Artic Motor Trans inc Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		31 Tons		
	Elm Athol			
	32830 lbs			
	2/25/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable **STRAIGHT BILL OF LADING** **SHORT FORM**

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, FRP 2/25 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 **State** _____ **Zip** _____ **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier * NYSTIC **Car or Vehicle Initials** ZAP282 **No.** 44

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		*Est 30	Tons	
	Elm Attach			
	29.01 tons			
	2/25/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** Frank J Cotter **Agent, Per** _____

Permanent post-office address of shipper _____

1

REDIFORM

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

TC Leasing

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FPLP 2/25 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 **State** _____ **Zip** _____ **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier X _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		X		
	Elm Hollow			
	34.81 ton			
	2/25/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 2/25/2020 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Right

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mystic Car or Vehicle Initials _____ No. 29

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1	Non-Hazardous Contaminated Soil for Recycling	30		
	Esmi Arnold			
	25.42 tons			
	2/25/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).
†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules, [illegible] published by the carrier and are available to the shipper, on request;

at 1st Terminal Road, Pvt. 2-25 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State _____ Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials 97719 No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	[illegible] 32 tons			
	33.34 tons			
	2/25/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications [illegible] published [illegible] carrier and are available to the shipper, on request;

at 121 Terminal Road PVD 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier T.C. Leasing Car or Vehicle Initials 28719 MS No. 762

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Shipper	34 Tons		
	32.22 Tons			
	2/25/20			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper, on request;

at 121 Terminal Road Lot 2 2/27 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	Ebni Abdelaziz			
	34.41 tons			
	2/27/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conforms to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

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Rediform, Inc. Made in Canada

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44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+E Ent LCC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] established by the carrier and are available to the shipper, on request;

at 121 Terminal Road PTP 2/27 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier D+E Ent [signature] Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	1 DT		
	[signature]			
	34.24 tons			
	2/27/2020			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

DYG-8

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/13 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier be throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to anothe route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that ever performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the tran this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notifi

Route _____

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delive

Delivering Carrier [signature]

Car or Vehicle Initials _____ No. DYG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	1st Ld			

ESM Applied
36.06/Ton
9/13/21

Subject to Section 7 of Conditions of ap bill of lading, if this shipment is to be delive the consignee without recourse on the consi the consignor shall sign the following statem

The carrier shall not make delivery of th shipment without payment of freight and all lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marke collect. CHECK BOX IF COLLECT

Received $ _____ to apply in prepayment of the charges on th property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

$ _____ Charges Advanced:

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Permanent post-office address of shipper _____

Agent, Per _____

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STRAIGHT BILL OF LADING

DrGent LLC #09

Carrier's Pro No. Pto-
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/13 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another ca route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every s performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if t or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transpo this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notificat Delivery Address ★

Route

★ To be filled in only when shipper desires and governing tariffs provide for delivery

Delivering Carrier DrGent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T 6T		
	2			
	8 Ln Arrdl			
	34.54 tons			
	9/13/21			

Subject to Section 7 of Conditions of app bill of lading, if this shipment is to be delive the consignee without recourse on the consig the consignor shall sign the following statem The carrier shall not make delivery of th shipment without payment of freight and all lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless mark collect. CHECK BOX IF COLLECT

Received $ to apply in prepayment of the charges on th property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Permanent post-office address of shipper

Agent, Per

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/13 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being under throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier s route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportatio this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification o
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery ther

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	3			
	2nd Ld			
	Eu Attell			
	35.15 tons			
	9/13/21			

Subject to Section 7 of Conditions of applica bill of lading, if this shipment is to be delivered the consignee without recourse on the consignor the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all oth lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understo throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on t route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a r or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation o this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ (Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	EQUIPMENT			
	35.59 Tons			
	9/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B)

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

J Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request.

at 121 Terminal Road FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	ESM / Attached			
	38.73 tons			
	9/22/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

DFG Ent LCC #3

Carrier's Pro No. DAG 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 9/23 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DFG Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	3CT EST		
	[illegible]			
	34.03 tons			
	9/23/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

Carrier's Pro No. 146-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/24 20 24 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ (Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 5

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T 67		
	ESU Added			
	36.30 Ton			
	9/24			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

☐ The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. 043
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - PPLP 9/21 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Car or Vehicle Initials 3. No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32,650		
	38.62 Tons			
	9/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's Imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiberboxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Dr G-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, EPLP 9/21 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. Dr G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	63			
	EW Attall			
	35.40 Tons			
	9/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM®

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling 4			
	Stu Artcl			
	37.33 Tons			
	9/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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44-302•Quadruplicate

Original – Not Negotiable

DHG Ent LLC #3

STRAIGHT BILL OF LADING

(Name of Carrier)

Carrier's Pro No. DHG -
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise in the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/21 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being u throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carri route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every serv performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transporta this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification

Route

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery the

Delivering Carrier DHG Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	(3 CT EST)		
	5			
	36.95 Tons			
	9/21/21			

Subject to Section 7 of Conditions of applicab bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

$ Charges Advanced:

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Permanent post-office address of shipper

Shipper, Per

Agent, Per

REDIFORM®

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

DTG 8

(Name of Carrier)

Carrier's Pro No.
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 9/21 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being under throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier o route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportatio this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification on

Delivery Address ★

Route

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Delivering Carrier

Car or Vehicle Initials

No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	6			
	2nd rd [illegible]			
	36.23 Ton			
	9/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

$ Charges Advanced.

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per

Permanent post-office address of shipper

Agent, Per

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Original – Not Negotiable

STRAIGHT BILL OF LADING

DTC Entl Co #3

Carrier's Pro No. Pro-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/22 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification, in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

Route

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier Pitt Dtc Dtc

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	Esri Attached			
	38.75 tons			
	9/22/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per

Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

DTG 8

(Name of Carrier)

Carrier's Pro No.
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper on request:

at 121 Terminal Road FPLP 9/22 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being u throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carr route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every ser performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if thi or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transporta this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification)

Route

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery the

Delivering Carrier

Car or Vehicle Initials

No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	3			
	1 st Ld			
	ESM Abell			
	38.02 Tons			
	9/22/21			

Subject to Section 7 of Conditions of applicab bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibreboxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Permanent post-office address of shipper

Shipper, Per

Agent, Per

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

J Webber

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FALL 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being un throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrie route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every servi performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transporta this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification

Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery ther

Delivering Carrier J Webber

Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
107	Non-Hazardous Contaminated Soil for Recycling			
	Em. Abell 4			
	36.02 Tons			
	9/22/21			

Subject to Section 7 of Conditions of applicabl bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon

Agent or Cashier

Per _____

(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Permanent post-office address of shipper _____ Shipper, Per _____

Agent, Per _____

REDIFORM

Carbonless Speediset® Forms
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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. USC 2
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

Dfc Enfrcc #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/22 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mtb Otcat Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	(327 EST		
	ESMI #1			
	35.78 tons			
	9/22/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

DG-8

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and available to the shipper, on request,

(Name of Carrier)

at 121 Terminal Road Epping NH on 9/22/21 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a motor carrier shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307

Route _____ State _____ Zip _____ County _____

Delivering Carrier DG

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereto.

Car or Vehicle Initials _____ No. DG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
LDT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	6 Yard Ld			
	SW A#2614			
	35.10 Tons			
	9/22/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect ☐ CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiberboxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Permanent post-office address of shipper _____

Shipper, Per _____

Agent, Per _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG 8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 21 Terminal Road - EPR 9/23 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307
State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier CEV

Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	1st Load	Eli Axtell		
		34.59 Ton		
		9631		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

_____ Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

‡The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

DTC Bat Lic # 3

Carrier's Pro No. 003
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 21 Terminal Road - PPL 9/23 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTC Bat Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 3	32T EST		
	ESMMCC			
	35.45 Tons			
	9/23/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

DTG

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - PPLP 9/23 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG 7

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	4			
	2nd			
	35.04 Tons			
	9/23/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The box(es) used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper on request;

at 121 Terminal Road - FP&P 9/24 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307
State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	Ea Hazard			
	34.81 Ton			
	9/24/21			

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____
(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $_____
to apply in prepayment of the charges on the property described hereon.

_____
Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. DHE-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTE Ent Lect

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 9/24 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTE Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	3			
	Est Attached			
	36.24 Ton			
	9/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-F
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/24 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG-F

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	4			
	2nd Ld	35.25 Tn		
		9/24/21		

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
_____ per _____.
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).
†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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44-302•Quadruplicate

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being under throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier o route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportatio this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **NH State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____ (Mail or street address of consignee – For purposes of notification o

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Route _____

Delivering Carrier Weber **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
37	Non-Hazardous Contaminated Soil for Recycling			
	37.77 Tons			
	7/28/21			

Subject to Section 7 of Conditions of applicat bill of lading, if this shipment is to be delivered t the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all othe lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

[Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

† The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Ax2

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9-29 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature]

Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 PT	[signature]	34T		
	34.35 Tons			
	9/29/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTG-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTG Ent Lcc #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and ... be established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 9/28 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.

Destination 67 International Dr. Loudon NH State 03307 Zip County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof

Route

Delivering Carrier [signature] DTG Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	2			
	Elly Arsell			
	37.63 Ton			
	9/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G-8 (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/28 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	3			
	1st Ld			
	Elm Arnold			
	3673			
	9/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

Jim Webster (Name of Carrier)

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ (Mail or street address of consignee – For purposes of notification only.)

Route _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereto.

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	36.59 TONS			
	9/28/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

_____ Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____

Permanent post-office address of shipper _____

_____ Agent, Per _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTC Int LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road FRLP 9/25 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier DTC Int **Car or Vehicle Initials** 3 **No.** 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32.T Est		
	ESI Attached			
	35.64 Tons			
	9/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

† Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

‡ The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHIPPER'S COPY

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DAG-P

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 9-28 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DAG-P

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	6			
	2nd Ld			
	8 Ml Attached			
	35.68 Tons			
	9/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

DTG Ent LCC #3

(Name of Carrier)

Carrier's Pro No. DTG 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road FPLP 9/29 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

Route

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier DTG Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	3 FT EST		
	Ele Added 2			
	36.09 Tons			
	9/29/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box makers certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHIPT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 9/29 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	3			
	8UH/100			
	34.65 Tons			
	9/29/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

† Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

† The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

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Rediform, Inc. Made in Canada

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44-302•Quadruplicate

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AxL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, FRP 9-29 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier mh Rails

Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	4			
1 DT		34T		
	[illegible]			
	34.09 tons			
	9/29/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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DHE Ent Lcct 3

STRAIGHT BILL OF LADING

Carrier's Pro No. DHE-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the [illegible] have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being under[illegible] throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier o[illegible] route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service [illegible] performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a [illegible] or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportatio[illegible] this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification on[illegible]

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereo[illegible]

Route

Delivering Carrier [illegible] DHE Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	37T EST		
	ESI Tidal			
	34.77 Tons			
	9/19/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced.

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per

Permanent post-office address of shipper

Agent, Per

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DYG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rates that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPP 9/29 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature]

Car or Vehicle Initials _____ No. DYG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling	32	T	
	6			
	2nd Ld			
	Sui Attest			
	36.10 Ton			
	9/29/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AxL

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10-1 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
			3-1 T	
1 DT	[illegible] 1			
	32.59 ton			
	@ 10/1/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DH6-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DH6 Ent Llc #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10/1 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [signature] DH6 Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 EST		
	2			
	[signature]			
	35.43 Tar			
	10/1/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DYG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPUP 10/1 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [illegible]

Car or Vehicle Initials _____ No. DYG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling	32	T	
	3			
	1st Ld ESM Allens			
	35.22 Tons			
	10/1/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AxL

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PDP 10-1 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [illegible] Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	4			
1 DT	ESU [illegible]	34 T		
	33.54 tons			
	10/1/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. Dtg-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTG Ent Lcc #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6/1 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★

Route

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier DTG Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	36.98 Tons			
	10/1/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speediset® Forms
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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Dag 8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10/1 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DAG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	6			
	2nd Cd. ESM Attached			
	38.14 Tons			
	10/1/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. Pt 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DtG Ent LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10/4 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [signature] DtG Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	[signature] 1			
	36.82 Ton			
	10/4/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DG 8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10/4 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	2			
	1st Ld			
	EMA [illegible]			
	34.17 Tons 3[illegible]			
	10/4/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Dtc Ent Lec #3

Carrier's Pro No. DTC-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10/4 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [signature] Dtc Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	[illegible]		
	Esmi Arrd 3			
	35.25 tons			
	10/4/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DOG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10/4 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DOG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	4			
	2nd wd [signature]			
	35.48 Ton			
	10/4/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the [illegible] State Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Lansing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10-5 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC **Car or Vehicle Initials** 97719 [illegible] **No.** [illegible]

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	1		
	32 tons			
	[illegible]			
	36.31 tons			
	10/5/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

Allens

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AxL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10-5 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	2		
1 OT	[signature]	34T		
	32.86 tons			
	10/5/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

T.C. Lensing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10/5/2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T.C Lensing Car or Vehicle Initials 88716mt No. 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	3	35 Tons		
	Esh Attell			
	36.55 Tons			
	10/5/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10/5 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ (Mail or street address of consignee – For purposes of notification only.) Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	Ed Arnold 4			
	25.44 tons			
	10/5/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D46-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/29/30 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

(Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. D46-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 25T	Non-Hazardous Contaminated Soil for Recycling	32	T	
	1			
	1st Ld			
	36.13 tons			
	9/30/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9-30 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature]

Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 DT	[signature] 2	34T		
	35-03 Fwd			
	9/30/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. 146-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DtEnt LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/30 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Att DtEnt Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	3			
	[illegible]			
	34.40 Tons			
	9/30/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Diamond #3

Carrier's Pro No. DIG-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 7/30 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ (Mail or street address of consignee – For purposes of notification only.) Delivery Address ★ _____

Route _____ ★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier DFO Trk Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	34.86 Tons Est		
	Ell Hall 4			
	34.86 Tons			
	9/30/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - TPLP 9/30 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	[signature]			
	35.67 Turf			
	9/30/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

AVC

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 7-30 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understo throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a r or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only)

Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier [signature]

Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
LOT	[illegible] 6			
	33.55 tons	34T		
	9/30/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Permanent post-office address of shipper _____ Agent, Per _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PHP 11-22-21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307
State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC Car or Vehicle Initials TC No. 601

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1	Non-Hazardous Contaminated Soil for Recycling	32 tons 35.58 tons 11/28/21		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

T.C. Leasing
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 11/22/2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T. C. Leasing Car or Vehicle Initials SBTG Mx No. 655

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
2	Non-Hazardous Contaminated Soil for Recycling	35 Tons		
	36.20 TNC			
	11/22/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

T. C Lersins

(Name of Carrier)

Carrier's Pro No.
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being und throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every servic performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this i or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportati this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification o

Delivery Address ★

Route

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Delivering Carrier T. C. Lersins

Car or Vehicle Initials 88716MM No. 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	[signature] 1	35	10 ar	
	34.95 Tons			
	11/18/21			

Subject to Section 7 of Conditions of applicabl bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per

Permanent post-office address of shipper

Agent, Per [signature]

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STRAIGHT BILL OF LADING

T. C. Lessing

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 11/19/2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T. C. Lessing Car or Vehicle Initials 88716MA No. 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		35	Ton	
	[illegible]			
	34.57 Ton			
	11/19/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

‡The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per [signature]

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

TC Leasing
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 11-18 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 25

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 2	32 tons		
	[illegible]			
	36.59 tons			
	11/18/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

T.C. Leasing

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - PVD 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being u throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination. If on its route, otherwise to deliver to another carri route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every serv performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if thi or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transporta this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307

Route _____ **State** _____ **Zip** _____ **County** _____ **(Mail or street address of consignee – For purposes of notification Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery the

Delivering Carrier T.C. Leasing **Car or Vehicle Initials** SOO 716 MA **No.** 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	3		
	Soil Mgmt	35	Ton	
	34.82 Ton			
	11/18/14			

Subject to Section 7 of Conditions of applicat bill of lading, if this shipment is to be delivered t the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all othe lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $_____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Permanent post-office address of shipper _____

Agent, Per _____

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STRAIGHT BILL OF LADING

SHORT FORM

TC Lessum

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request.

at 121 Terminal Road - FPLP 11-19 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 26

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 Tons		
	Stu. Attach 2			
	34.56 Tons			
	11/19/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - Prov 5/25 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt 252489

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ (Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	5521 Terminal 1			
	Gowett Trucking	Est. 32-34 TON		
	Eshi Addo			
	40.35 Tons 5/25/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

18-11 T-131

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) Gault Trucking

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5-25 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	35		
	5/25/21 Terminal 2			
	Ellsworth			
	35.41 Tons			
	5/25/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. Load
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) 252774

(Name of Carrier) Soulet Trucking

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 52 Terminal Road, Fall May 25 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **(Mail or street address of consignee – For purposes of notification only.)** **Delivery Address** ★ _____

★ **To be filled in only when shipper desires and governing tariffs provide for delivery thereof.**

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30 Ton		
	52521 Terminal 3			
	Emi Attal			
	35.29 ton			
	5/25/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

_____ Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** [signature] 5-25-21 **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. 04
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) Goulet Trucking 14-13

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32		
	52521 Terminal 4			
	Esli [illegible]			
	3455 [illegible]			
	5/25/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AxL

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5-25 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] **Car or Vehicle Initials** _____ **No.** 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	52521 Terminal 5			
10T		34T		
	[signature]			
	33.92 Tons			
	5/25/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, FLP 5-25 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State _____ Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	52521 Permanent 6			
	Eli Addell			
	37.90 tons			
	5/25/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D&G-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FRP 5/25 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D&G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	~~Est~~ 5/25/21 Terminal 7			
	ESMi Attached			
	37.08 tons			
	5/25/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FRLP **From** 642 Allens Ave., Providence, RI

5-25 20 21

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** 25

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32		
	52621 Terminal 1			
	[illegible]			
	36.29 Tons			
	5/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** [signature] 5-25-21 **Agent, Per** _____

Permanent post-office address of shipper _____

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Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 5-25-2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC Car or Vehicle Initials 9771 NH No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	52621 Terminal 2			
	32 tons			
	Ellsworth			
	37.22 Tons			
	5/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. 1469
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 5/26 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [illegible] Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	2T EST		
	5264 Terminal			
	[illegible]			
	36.38 tons			
	5/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Dr-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5/26 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. [signature]

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	5 Dec 21 Terminal 4			
	1st Ld			
	ESMi Attached			
	36.76 tons			
	5/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5-26 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____
(Mail or street address of consignee – For purposes of notification only.)
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	526 Terminal 5			
	ESM Add'l			
	3783 Tons			
	5/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Axl
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 5-26 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier mh Rail Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	5/26/21 Terminal 6			
1 DT		34T		
	Elmi Abdel			
	33.97 ton			
	5/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTG 9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTG Ent LLC #9

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5/26 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTG Ent Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	52621 Terminal 7			
	Eric Arnold			
	38-06 Tons			
	5/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5-26 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			
	5/26/21 Terminal 8			
	Elle [signature]			
	3294 [illegible]			
	5/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AxL

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FPU 5-26 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier mt Nab **Car or Vehicle Initials** _____ **No.** 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	52621 Terminal 9			
10T		34T		
	Esmi Adelo			
	32.93 tons			
	5/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - PPLP 5/26 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	5624 Tenine 16			
	2nd Ld	Soil Attchd		
		38.29 Tons		
		5/26/21		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM®

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTC-9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTC Ent LLC #9

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] established by the carrier and are available to the shipper, on request:

at 121 Terminal Road PPD 5/28 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

Route

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier DTC Ent Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	(72T EST)		
	5282 Terminal			
	Ent Hold			
	38.69 ton			
	5/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 5-28 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
107	Non-Hazardous Contaminated Soil for Recycling			
	5/28/21 Terminal 2			
	Esli Attel			
	37.65 ton			
	5/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DG-8
(Name of Carrier)

RECEIVED, subject to individually determined or agreed upon rates that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5/28/20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to _____

67 International Dr. Loudon NH 03307
(Mail or street address of consignee – For purposes of notification only.)

Destination _____ State _____ Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32 T		
	52821 Terminal 3			
	Eric Attardo			
	38.79 tons			
	5/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTG 9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6/2 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T Est		
	Load Terminal			
	Soil Load			
	3903 Tons			
	6/2/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

Original – Not Negotiable **STRAIGHT BILL OF LADING** SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6-3 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	60321 Terminal 1			
	Eric Attold			
	35.80 tons			
	6/3/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTC-9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTC Ent LLC #9

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 6/4 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTC Ent Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	39.1 Est		
	6042 Terminal rd			
	ESMI/M. Quy			
	6/4/21			
	39.1 ton			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per

Liability limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FP LP Lot 2 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr, Londonderry **State** NH 03307 **County** _____ **Delivery Address** ★ _____ (Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10	Non-Hazardous Contaminated Soil for Recycling			
	6021 Terminal 2			
	37.95 Ton			
	6/2/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

The fibreboxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 6-2 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier mh Roads Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	60221 Terminal 3			
10T		34T		
	[illegible]			
	35.55 Ton			
	6/2/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6/2 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	6/2/21 Terminal 4			
	ESMA Hoeh 4			
	3786 tons			
	6/2/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consigner, the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

T.C. Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T.C. Leasing Car or Vehicle Initials 46381 MA No. 25

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	35	tons	
	60321 Terminal 2			
	Eglin Attell			
	35.73 Ton			
	6/3/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per [signature]

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

JC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr, Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier JC Car or Vehicle Initials _____ No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	6053 Tons Non-Hazardous Contaminated Soil for Recycling			
	32 tons			
	Ellsworth			
	37.09 Tons			
	6/3/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The blank boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - PVD 6-3-2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____ (Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling			
	6052 tarp 4			
	Eqn Addl			
	3704 tons			
	6/3/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 6-4 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ (Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			
	60421 Terminal rd 2			
	ESMI/Mon Cof			
	6/4/21			
	39.04 Ton			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable See 49 U.S.C. § 14706(c)(1)(A) and (B).

‡The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. 216-9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

D to Ent LCC #7

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier D to Ent Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST.		
	60421 Terminal rd 3			
	CSMI/Mass Cleanup			
	6/4/21			
	34.75 Ton			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignee shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per Agent, Per

Permanent post-office address of shipper

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHIPPER FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6/13 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
107	Non-Hazardous Contaminated Soil for Recycling			
	39.53 tons			
	6/14/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FPLP 6-14 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [illegible] Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 DT	[illegible]	34T		
	38.25 Ton			
	6/14/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6/14 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling 3			
	ESU Attached			
	36.95 tan			
	6/14/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6-14 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH 03307 **County** _____ **Delivery Address** ★ _____
(Mail or street address of consignee – For purposes of notification only.)
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier mtrans **Car or Vehicle Initials** _____ **No.** 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 OT	Ellsworth	34T		
	3377 tons			
	6/14/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DT6 9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

Dr Cont Lcc #9

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 6/17 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [illegible] Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T Est		
	1			
	Ski/Attach			
	37.27 Tons			
	6/17/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibreboxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 6-17 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH 03007 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 2			
10T		34T		
	ESMI/Attached			
	33-00 tons			
	6/17/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

T. C. Lessing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt (Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T.C. Lessing Car or Vehicle Initials 88716 MA No. 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	3			
	Non-Hazardous Contaminated Soil for Recycling			
		35 TON		
	ESW Abbell			
	32.63 / TON			
	6/17/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] established by the carrier and are available to the shipper, on request;

at Allens Ave Northbrook FPLP 6-17 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC Car or Vehicle Initials _____ No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 4			
	32 tons			
	Elm Attach			
	33.01 / tons			
	6/17/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Original – Not Negotiable DFC Ent LLC #9

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DFC 9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6/24 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** **Delivery Address** ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DFC Ent **Car or Vehicle Initials** 9 **No.** 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	[signature]			
	35.37 TONS			
	6/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** **Agent, Per**

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6-24 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH ZIP 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	Esri Appliance			
	35.35 Tons			
	6/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTC-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 4/24 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTC-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	32.99 Ton			
	6/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

T.C. Lessings
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt (Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T. C. Lessings Car or Vehicle Initials 8876MA No. 657

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
4	Non-Hazardous Contaminated Soil for Recycling	35Ton		
	35.91 Tons			
	6/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. D16 9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

D16 Ent LLC #9

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6/25 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier D16 Ent Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	3LT 1ST		
	ESMI/Main Corp			
	6/25/21			
	35.41 Ton			
	62521 terminal 1			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6-25 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling			
	ESMI/ManCef			
	6/25/21			
	34.37 Ton			
	62521 terminal 2			

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pre No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 6/25 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	ESMI/M. Cunha			
	6/25/21			
	40.3C			
	62521 Terminal 3			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

† Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 6-25 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mike Rails **Car or Vehicle Initials** _____ **No.** 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 DT		34 T		
	ESMI/Manch			
	6/25/21			
	35.23 Ton			
	62521 terminal 4			

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTC 7
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

Dte Entler #9

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6/28 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [illegible] PAT Eng Car or Vehicle Initials 9 No. 5

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	Elmi Attalla			
	34.74 Tons			
	6/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ ... to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHIPPER FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road Trip 6/28 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling	32	T	
	[signature]			
	34.93 / ton			
	6/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

As Pst for [signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

DtG Ent LLC #3

Carrier's Pro No. DtG 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - Pmp From 642 Allens Ave., Providence, RI

8/26 20 21

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307

State Zip County

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DtG Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30T BST		
	35.71 tux			
	8/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

DG-8

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road PPLP 8/26 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a truck or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32 TN		
	36.78 Tons			
	8/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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SRS

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FRLR 5/1 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30		
	Elm Attolla			
	33.93 tons			
	9/1/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____ 6/

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STRAIGHT BILL OF LADING

Short Form

Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) S.R.S.

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - EPR 20 9-1-2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Environmental Soil Mgmt

Consigned to _____ (Mail or street address of consignee – For purposes of notification only.)

67 International Dr. Loudon NH 03307

Destination _____ **State** _____ **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30		
		2		
	ESMi #1000			
	26.71 Ton			
	@ 9/1/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) S.R.S.

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 9-1-21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Esmi A Hole			
	30.18 tons			
	9/2/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/7 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	1			
	36.54 Tns			
	9/7/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speedlset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTE 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTE Ent LCS #5

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 9/7 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTE Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	ESM Attached 2			
	37-64 TCN			
	9/7/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

DYG-8

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/13 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier be throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to anothe route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that ever performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the tran this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notifi

Route _____

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delive

Delivering Carrier [signature]

Car or Vehicle Initials _____ No. DYG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	1st Ld			

ESM Applied
36.06/Ton
9/13/21

Subject to Section 7 of Conditions of ap bill of lading, if this shipment is to be delive the consignee without recourse on the consi the consignor shall sign the following statem

The carrier shall not make delivery of th shipment without payment of freight and all lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marke collect. CHECK BOX IF COLLECT

Received $ _____ to apply in prepayment of the charges on th property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

$ _____ Charges Advanced:

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Permanent post-office address of shipper _____

Agent, Per _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

DrGent LLC #09

Carrier's Pro No. Pto-
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/13 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another ca route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every s performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if t or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transpo this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notificat Delivery Address ★

Route

★ To be filled in only when shipper desires and governing tariffs provide for delivery

Delivering Carrier DrGent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T 6T		
	2			
	8 Ln Arrdl			
	34.54 tons			
	9/13/21			

Subject to Section 7 of Conditions of app bill of lading, if this shipment is to be delive the consignee without recourse on the consig the consignor shall sign the following statem The carrier shall not make delivery of th shipment without payment of freight and all lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless mark collect. CHECK BOX IF COLLECT

Received $ to apply in prepayment of the charges on th property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Permanent post-office address of shipper

Agent, Per

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/13 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being under throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier s route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportatio this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification o
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery ther

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	3			
	2nd Ld			
	Eu Attell			
	35.15 tons			
	9/13/21			

Subject to Section 7 of Conditions of applica bill of lading, if this shipment is to be delivered the consignee without recourse on the consignor the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all oth lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understo throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on t route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a r or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation o this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ (Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	EQUIPMENT			
	35.59 Tons			
	9/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B)

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM®

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

J Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request.

at 121 Terminal Road FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	ESM / Attached			
	38.73 tons			
	9/22/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

DFG Ent LCC #3

Carrier's Pro No. DAG 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 9/23 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DFG Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	3CT EST		
	[illegible]			
	34.03 tons			
	9/23/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. 146-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/24 20 24 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ (Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 5

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T 67		
	ESU Added			
	36.30 Ton			
	9/24			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

☐ The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. 043
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - PPLP 9/21 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Car or Vehicle Initials 3. No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32,650		
	38.62 Tons			
	9/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's Imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiberboxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Dr G-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, EPLP 9/21 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. Dr G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	63			
	EW Attall			
	35.40 Tons			
	9/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling 4			
	Stu Artcl			
	37.33 Tons			
	9/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Original – Not Negotiable

DHG Ent LLC #3

STRAIGHT BILL OF LADING

(Name of Carrier)

Carrier's Pro No. DHG -
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise in the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/21 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being u throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carri route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every serv performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transporta this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification

Route

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery the

Delivering Carrier DHG Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	(3 CT EST)		
	5			
	36.95 Tons			
	9/21/21			

Subject to Section 7 of Conditions of applicab bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

$ Charges Advanced:

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Permanent post-office address of shipper

Shipper, Per

Agent, Per

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Original – Not Negotiable

STRAIGHT BILL OF LADING

DTG 8

(Name of Carrier)

Carrier's Pro No.
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 9/21 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being under throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier o route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportatio this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification on

Delivery Address ★

Route

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Delivering Carrier

Car or Vehicle Initials No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	6			
	2nd ed [illegible]			
	36.23 Ton			
	9/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

$ Charges Advanced.

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per

Permanent post-office address of shipper

Agent, Per

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Original – Not Negotiable

STRAIGHT BILL OF LADING

DTC Entl Co #3

Carrier's Pro No. Pro-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/22 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification, in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

Route

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier Pitt Dtc Dtc

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	Esri Attached			
	38.75 tons			
	9/22/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per

Agent, Per

Permanent post-office address of shipper

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

DTG 8

(Name of Carrier)

Carrier's Pro No.
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper on request:

at 121 Terminal Road FPLP 9/22 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being u throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carr route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every ser performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if thi or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transport this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification)

Route

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery the

Delivering Carrier

Car or Vehicle Initials

No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	3			
	1 st Ld			
	ESM Abell			
	38.02 Tons			
	9/22/21			

Subject to Section 7 of Conditions of applicab bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibreboxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Permanent post-office address of shipper

Shipper, Per

Agent, Per

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44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

J Webber

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FALL 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being un throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrie route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every servi performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transporta this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification

Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery ther

Delivering Carrier J Webber

Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
107	Non-Hazardous Contaminated Soil for Recycling			
	Em. Abell 4			
	36.02 Tons			
	9/22/21			

Subject to Section 7 of Conditions of applicabl bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon

Agent or Cashier

Per _____

(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Permanent post-office address of shipper _____ Shipper, Per _____

Agent, Per _____

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. USC 2
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

Dfc Enfrcc #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/22 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mtb Otcat Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	(327 EST		
	ESMI #1			
	35.78 tons			
	9/22/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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44-302•Quadruplicate

Original – Not Negotiable

DG-8

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and available to the shipper, on request,

(Name of Carrier)

at 121 Terminal Road Epping NH on 9/22/21 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a motor carrier shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307

Route _____ State _____ Zip _____ County _____

Delivering Carrier DG

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereto.

Car or Vehicle Initials _____ No. DG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
LDT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	6 Yard Ld			
	SW A#2614			
	35.10 Tons			
	9/22/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect ☐ CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiberboxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Permanent post-office address of shipper _____

Shipper, Per _____

Agent, Per _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG 8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 21 Terminal Road - EPR 9/23 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307
State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier CEV

Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	1st Load	Eli Axtell		
		34.59 Ton		
		9631		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

_____ Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

‡The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

DTC Bat Lic # 3

Carrier's Pro No. 003
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 21 Terminal Road - PPL 9/23 20 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTC Bat Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 3	32T EST		
	ESMMCC			
	35.45 Tons			
	9/23/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per Agent, Per

Permanent post-office address of shipper

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Original – Not Negotiable

STRAIGHT BILL OF LADING

DTG

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - PPLP 9/23 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG 7

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	4			
	2nd			
	35.04 Tons			
	9/23/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The box(es) used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper on request;

at 121 Terminal Road - FP&P 9/24 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307
State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	Ea Hazard			
	34.81 Ton			
	9/24/21			

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____
(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $_____
to apply in prepayment of the charges on the property described hereon.

_____
Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. DHE-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTE Ent Lect

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 9/24 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTE Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	3			
	Est Attached			
	36.24 Ton			
	9/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM®

Carbonless Speediset® Forms
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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-F
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/24 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG-F

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	4			
	2nd Ld	35.25 Tn		
		9/24/21		

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
_____ per _____.
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).
†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being under throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier o route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportatio this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **NH State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____ (Mail or street address of consignee – For purposes of notification o

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Route _____

Delivering Carrier Weber **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
37	Non-Hazardous Contaminated Soil for Recycling			
	37.77 Tons			
	7/28/21			

Subject to Section 7 of Conditions of applicat bill of lading, if this shipment is to be delivered t the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all othe lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

[Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

† The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Ax2

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9-29 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 PT	[signature]	34T		
	34.35 Tons			
	9/29/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTG-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTG Ent Lcc #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and ... be established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 9/28 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.

Destination 67 International Dr. Loudon NH State 03307 Zip County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof

Route

Delivering Carrier [signature] DTG Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	2			
	Elly Arsell			
	37.63 Ton			
	9/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G-8 (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/28 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	3			
	1st Ld			
	Elm Arnold			
	3673			
	9/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

Jim Webster (Name of Carrier)

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ (Mail or street address of consignee – For purposes of notification only.)

Route _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereto.

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	36.59 TONS			
	9/28/17			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

_____ Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____

Permanent post-office address of shipper _____

_____ Agent, Per _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTC Int LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road FRLP 9/25 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier DTC Int **Car or Vehicle Initials** 3 **No.** 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32.T Est		
	ESI Attached			
	35.64 Tons			
	9/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

† Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

‡ The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHIPPER'S COPY

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DAG-P

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 9-28 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DAG-P

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	6			
	2nd Ld			
	8 Ml Attached			
	35.68 Tons			
	9/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

DTG Ent LCC #3

(Name of Carrier)

Carrier's Pro No. DTG 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road FPLP 9/29 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

Route

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier DTG Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	3 FT EST		
	Ele Added 2			
	36.09 Tons			
	9/29/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box makers certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHIPT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 9/29 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	3			
	8UH/100			
	34.65 Tons			
	9/29/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

† Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

† The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AxL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, FRP 9-29 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier mh Rails

Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	4			
1 DT		34T		
	[illegible]			
	34.09 tons			
	9/29/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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DHE Ent Lcct 3

STRAIGHT BILL OF LADING

Carrier's Pro No. DHE-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the [illegible] have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being under[illegible] throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier o[illegible] route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service [illegible] performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a [illegible] or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportatio[illegible] this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification on[illegible]

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereo[illegible]

Route

Delivering Carrier [illegible] DHE Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	37T EST		
	ESI Tidal			
	34.77 Tons			
	9/19/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced.

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per

Permanent post-office address of shipper

Agent, Per

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DYG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rates that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPP 9/29 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature]

Car or Vehicle Initials _____ No. DYG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling	32	T	
	6			
	2nd Ld			
	Sui Attest			
	36.10 Ton			
	9/29/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____

(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D46-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/29/30 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

(Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. D46-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 25T	Non-Hazardous Contaminated Soil for Recycling	32	T	
	1			
	1st Ld			
	36.13 tons			
	9/30/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9-30 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature]

Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 DT	[signature] 2	34T		
	35-03 Fwd			
	9/30/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. 146-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DtEnt LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/30 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Att DtEnt Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	3			
	[illegible]			
	34.40 Tons			
	9/30/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Diamond #3

Carrier's Pro No. DIG-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 7/30 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ (Mail or street address of consignee – For purposes of notification only.) Delivery Address ★ _____

Route _____ ★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier DFO Trk Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	34.86 Tons Est		
	Ell Hall 4			
	34.86 Tons			
	9/30/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - TPLP 9/30 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	[signature]			
	35.67 Turf			
	9/30/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

AVC

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 7-30 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understo throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a r or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only)

Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier [signature]

Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
LOT	[illegible] 6			
	33.55 tons	34T		
	9/30/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Permanent post-office address of shipper _____ Agent, Per _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AxL

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10-1 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
			3-1 T	
1 DT	[illegible] 1			
	32.59 ton			
	@ 10/1/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DH6-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DH6 Ent Llc #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10/1 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [signature] DH6 Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 EST		
	2			
	[signature]			
	35.43 Tar			
	10/1/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DYG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPUP 10/1 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [illegible]

Car or Vehicle Initials _____ No. DYG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling	32	T	
	3			
	1st Ld ESM Allens			
	35.22 Tons			
	10/1/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AxL

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PDP 10-1 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [illegible] Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	4			
1 DT	ESU [illegible]	34 T		
	33.54 tons			
	10/1/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. Dtg-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTG Ent Lcc #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6/1 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★

Route

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier DTG Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	36.98 Tons			
	10/1/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Dag 8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10/1 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DAG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	6			
	2nd Cd. ESM Attached			
	38.14 Tons			
	10/1/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. Pt 63
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DtG Ent LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10/4 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [signature] DtG Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	[signature] 1			
	36.82 Ton			
	10/4/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DG 8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10/4 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	2			
	1st Ld			
	EMA [illegible]			
	34.17 Tons 3[illegible]			
	10/4/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Dtc Ent Lec #3

Carrier's Pro No. DTC-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10/4 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [signature] Dtc Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	[illegible]		
	Esmi Arrd 3			
	35.25 tons			
	10/4/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DOG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 10/4 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DOG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	4			
	2nd wd [signature]			
	35.48 Ton			
	10/4/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the [illegible] State Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D&G-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road FPLP 5/10 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D&G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	5102 Terminal			
	1st Ld			
	Ellis Abbott			
	33.74 tons			
	5/10/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTC 3
Shipper's Bill of Lading No. 3
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTC Ent LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTC Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	3ZT EST		
	51021 Terminal 2			
	ESM Attached			
	33.81 Ton			
	5/10/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 111 Terminal Road - RIP 5/10 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	5102 Terminal 3			
	2nd Ld. Ellsworth			
	36.37 Tons			
	5/10/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DHG-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DHG Ent LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 521 Terminal Road, Fall 5/12 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State Zip County

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DHG Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30T EST		
	5/12/21 Terminal 1			
	[illegible]			
	37.15 tons			
	5/12/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 1321 Terminal Road, EPCP 5-12 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			
	51221 Terminal 2			
	Sri Attalah			
	38.01 Ton			
	5/12/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp: not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

A&L

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FRP 5-12 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier mh Rob Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	5 12 21 Terminal 3			
20T		34 T		
	SM. Attalub			
	36 40 Ton			
	5/12/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pre No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D&G-T

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 5/12 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. D&G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling	32	T	
	5/12 Terminal 4			
	1st Ld			
		EM		
		36.83		
		5/10/21		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

DTC Ent LCC #3

Carrier's Pro No. DTC-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and other terms hereby established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FRLP 5/12 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTC Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	3 ST EST		
	5 1 2 1 Terminal 5			
	Edu Atoll			
	36.66 ton			
	5/12/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DVG 8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FLP 5/12 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State _____ Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DVG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	5122 Terminal 6			
	2nd Ld [signature]			
	35.79 Tons			
	5/12/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. VHC-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DtG Ent LLC II S

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 321 Terminal Road EPP From 642 Allens Ave., Providence, RI

5/13 20 21

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DtG Ent Car or Vehicle Initials 3 No. 5

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	321 EST		
	5/13/21 Terminal 1			
	Eglu Arbold			
	36.63 Tons			
	5/13/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G 8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road PPLP 5/13 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	5132 Terminal 2			
	Ex Attach			
	36.53 Tons			
	5/13/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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Original – Not Negotiable **STRAIGHT BILL OF LADING** SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - TDP 5-14- 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH 03307 **State** _____ **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	5142 Terminal			
	ESW Attached			
	36.24 Ton			
	5/14/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

AXL

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - PVD 5-11 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	51421 Terminal			
1 OT		34 T		
	Soil / Asbestos			
	33.40 ton			
	5/14/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTC 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTC LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - Yard 5/14 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH 03307 State Zip County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Allied Transport Car or Vehicle Initials S No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T Est		
	5141, Term 3			
	Esh Appel			
	34.84 Tn			
	51141			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DVG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

642 Allens Ave., Providence, RI

at 5/14 20 21 From

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DVG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	5/14/21 Terminal #4			
	Elev Applied			
	35.35 Tons			
	5/14/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

J Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road PVD 5-14 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling			
	5141 Terminals			
	35.81 Tn			
	5/14/21			

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

JC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP (5-14 20 21) From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier JC Car or Vehicle Initials 97719 No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	51421 Terminal 6			
	33 Tons			
	Elm Attached			
	34.01 Tons			
	5/14/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. 01
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) Goulet Trucking #252422

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] established by the carrier and are available to the shipper, on request,

at 121 Terminal Road, Hpt Pt 20 5/20/21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 Ton		
	052021 Terminal 1			
	Eli Attolich			
	33.24 tons			
	5/20/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

DTC Ent LLC #9

Carrier's Pro No. DTC-9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 5/18 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTC Ent Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	52T 25		
	5/18/21 Terminal			
	ESW Attached			
	35.48 tons			
	5/18/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced†

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DtC 9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DtC Ent LLC #7 1st Load

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5/21 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [signature] DtC Ent Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	52121 Terminal 1			
	[illegible]			
	34.41 tons			
	5/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SUBJECT TO ORIG

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DAG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PRP 5/18 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DAG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	5/18/21 Terminal 2			
	ESMI Ticket			
	35.54 tons			
	5/18/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

_____ Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

(Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.)

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____.

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

STRAIGHT BILL

Carrier's Pro No.
Shipper's Bill of Lading No. 10904
Consignee's Reference/PO No.
Carrier's Code (SCAC) 252421

(Name of Carrier) Gould Trucking

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 20 5-20-21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

(Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	34 Tns		
	5202 Terminal 2			
	ESMI/Attleb			
	36.13 tons			
	5/20/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____ 20 May 21

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Gaulet Trucking
(Name of Carrier)

18-11 Eve-9

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - PPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, includias those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	34.		
	52021 Tetanus3			
	Shuttle Q			
	36.01 tons			
	5/20/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per _____ Agent, Per _____

5-20-21

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. 002
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) Goulet Trucking

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	33 ton		
	52121 Terminal 2			
	Eli Attebel			
	31.60 tons			
	5/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) Goulet Trucking

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, EPCP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt.

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Goulet Trucking Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	34720		
	5421 Terminal 3			
	Ellen Kidd			
	35.83 Tons			
	5/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

†Shipper's Imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per 21 May 21

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Gayet 18-11 T-124
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	5/21 Terminal 7			
	[signature]			
	35.63 Tons			
	5/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

‡Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

*The libre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

5-21-21

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5-21 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 ton		
	~~[illegible]~~ 5/21/21 Terminal 5			
	Gallet Trucking			
	[illegible]			
	97,220 29.84 ton			
	5/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Steven Paulin Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

DK Enterprises #9 — Enviroland

Carrier's Pro No. DK-9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - PPP From 642 Allens Ave., Providence, RI

5/21 20 21

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307
State Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Ptt Ptt Car or Vehicle Initials G No. 7

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T est		
	5121 Terminal 6			
	Eli Attell			
	34.53 tons			
	5/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced $

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

T. C. Lessing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T. C. Lessing Car or Vehicle Initials 4638/MA No. 25

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	52121 Terminal 7	35 Tons		
	[illegible]			
	37.49 tons			
	5/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per [signature]

Permanent post-office address of shipper _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] established by the carrier and are available to the shipper, on request;

at Allens Ave 2-21 2021 From P 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier TC Car or Vehicle Initials 97719 No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	52121 Terminal 8			
	32 tons			
	Eli Abdelh			
	38.67 tons			
	5/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DH6-9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DHGentlcc #1

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5/24 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [illegible] Car or Vehicle Initials [illegible] No. [illegible]

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	52421 Terminal			
	[illegible]			
	38.73 Ton			
	5/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPUP 5/24 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ (Mail or street address of consignee – For purposes of notification only.) Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	52421 Terminal 2			
	Equipment			
	36.01 Tons			
	5/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM®

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Tim Wells (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classification and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPP 5-24 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Wells Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
107	Non-Hazardous Contaminated Soil for Recycling			
	5241 Terminal 3			
	Eski Abdo			
	37.03 Tons			
	5/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5-24 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [illegible] Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	52421 Terminal 4			
1 DT		34T		
	[illegible]			
	36.42 Ton			
	5/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

(Name of Carrier) Gaslet 17-10

at 121 Terminal Road - PPLP 5-24 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	34 Ton		
	52421 Terminal			
	Gaslet truck #17-10			
	ESN #1000			
	37.07 Tons			
	5/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Goulet

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - NP 5/24/21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ (Mail or street address of consignee – For purposes of notification only.) Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling		32-150	
	52421 Terminal 6			
	ESU Addell			
	40.46 Tn			
	5/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Gould Trucking 18-11 T-122
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that are established by the carrier and are available to the shipper, on request.

at 121 Terminal Road NPT 5-24 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	35T		
	T2421 Terminal 7			
	Ellsworth			
	3426 Tons			
	572461			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) Gourlet Trucking 1813

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, PLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 ton		
	52421 terminal 8			
	Edw Ardell			
	37.31 Ton			
	5/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Load 252501

(Name of Carrier) Goulet Trucking

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - PPLP 5-24 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	35TN		
	5/24 Terminal 9			
	ESM Attach			
	34.64 Tons			
	5/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** [signature] **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road FRUP 1-13 2026 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms [illegible] agrees to by the shipper and accepted for himself and his assigns.

Consigned to _____

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariff provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials TC No. 25

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling		31	
	Shuttled			
	35.60 Tons			
	1/13/26			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____.

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____ 1-13-26

†ermanent post-office address of shipper _____

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Gross 108760

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

T. C. Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 10-13 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T. C. Leasing Car or Vehicle Initials 88716 No. 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		35 ton		
	ESMI/Attlub			
	36.95 Tons			
	1/13/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per [signature]

Permanent post-office address of shipper _____

1

REDIFORM

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Scanned with CamScanner

118
118
15 860 700
NH 82
NH 180
129
NH 149

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DHG-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DHG Ent LLC

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the [illegible] published by the carrier and are available to the shipper, on request;

at 121 Terminal Road - EPD 1/27 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understo throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification on

Destination 67 International Dr. Loudon NH State 03307 Zip County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Route

Delivering Carrier DHG Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignee shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignee)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. D
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

D to Ent Lic #3 — Ind Lad

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, Lot 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to an route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date he or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes

Destination 67 International Dr. Loudon NH State 03307 Zip County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide

Route

Delivering Carrier D to Ent Car or Vehicle Initials S No. S

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	ESM Attached			
	35.46 Tons			
	1/27/2021			

Subject to Section 7 of Cond bill of lading, if this shipment i the consignee without recourse the consignor shall sign the fo

The carrier shall not make shipment without payment o lawful charges.

(Signature of

Freight charges are PRE collect. CHECK

Received $ to apply in prepayment property described here

Agent o

Per (The signature here ac amount prepaid.)

Charges $

†Shipper's imprint in lie Bill of Lading approved Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speediset® Forms
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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. 463
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTG of LLC #3

(Name of Carrier)

02/26/2021 - FPLP

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 2/26 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ (Mail or street address of consignee – For purposes of notification only.) Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier DTG ET Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	37T Est		
	37.35 TON 3/1/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

02262021-FR82

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Tim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Eastern Ave - EDS 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Environmental Soil Mgmt

Consigned to _____

67 International Dr. Loudon NH 03307

Destination _____ **State** _____ **Zip** _____ **County** _____ **Delivery Address** ★ _____

(Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Weber **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling			
	35.51 Tons			
	2/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

1

REDIFORM.

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D&G-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the lowest class or commodity rates that have been furnished by the carrier and are available to the shipper, on request;

at 3-2 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. D&G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	35.10 Tons			
	3/24/21			
	0322021 - Providence			

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D&G-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3/2 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. D&G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	2nd Ld	33.90 Ton		
		3/2/21		
	03021051-Providence			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 4/23 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling			
	42321 Providence			
	Shi Abdulb			
	39.08 tns			
	4/23/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM®

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

DTG Ent LLC #3

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTG-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 4/20 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTG Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	(32T EST)		
	42021 Allens Ave 1			
	Esmi Attolub			
	38.39 Tons			
	4/20/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Agent, Per

Permanent post-office address of shipper

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DTG-8

...GHT BILL OF LADING

SHORT FORM

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FPLP 4/20 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____

Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	42021 Allens Ave			
	Shi Attolia			
	34.06 tons			
	4/20/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Permanent post-office address of shipper _____

Agent, Per _____

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DTG East LLC #3

STRAIGHT BILL OF LADING — SHORT FORM

Carrier's Pro No. DTG 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 4/30 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understo throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a r or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification onl

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Route

Delivering Carrier DTG East Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	43021 @ Terminal			
	ESM / Addub			
	40.60 tons			
	4/30/21			

Subject to Section 7 of Conditions of applicab bill of lading, if this shipment is to be delivered t the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all othe lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DAG-P

(Name of Carrier)

RECEIVED subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and available to the shipper, on request;

at 4/30 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understo throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a r or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification onl

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DAG-P

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	4304 Tormenta Ct			
	Edy Addo			
	3248 Tons			
	4/30/21			

Subject to Section 7 of Conditions of applicabl bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all othe lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the extent declared rates have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road Hill 4/30 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	43521 Terminal Rd 3			
	Esh' Added			
	40.06 Ton			
	4/30/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

A2L

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 4/30 20 21 From 642 Aliens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understo throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a r or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification onl Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Route _____

Delivering Carrier nhsrap Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	4 Ton Tandem			
1 OT	Eldi Attach	34 T		
	35.20 Tons			
	4/30/21			

Subject to Section 7 of Conditions of applicab bill of lading, if this shipment is to be delivered t the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all othe lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPL 4-28 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State _____ Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof

Route _____

Delivering Carrier TC Leasing Car or Vehicle Initials 97719MA No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	4281 Terminal Rd 3			
	32 tons			
	Edw Allen			
	40.63 Tons			
	4/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AVZ
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPD 4-28 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	4 28 21 Terminal 6			
1 DT		34T		
	[illegible]			
	32.55 [illegible]			
	4/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING SHORT FORM

A+L

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FRLP 4-28-21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understo throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on t route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a r or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereto

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	4/28/21 Terminal 2			
10T	Elvi Arnold	34T		
	33.88 tons			
	4/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibreboxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

Original – Not Negotiable

STRAIGHT BILL OF LADING — SHORT FORM

TC Leasing

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper on request;

at 241 Terminal Road N.P. 4-28 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understoo throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on th route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to b performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a ra or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation o this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 26

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	4221 Terminal 4	33 ton		
	Esly Arbelo			
	34.55 Ton			
	4/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ 4-28-21 Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
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44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLI 4-28 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber

Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	42821 Terminal 5			
	Elvi Attell			
	36.88 Tons			
	4/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, FRP 4-28 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling			
	4 28 21 Terminal 1			
	Eli Arbeld			
	36-04 Tax			
	4/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D&G-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road FPLP 5/10 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D&G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	5102 Terminal			
	1st Ld			
	Elvi Abdel			
	33.74 tons			
	5/10/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTC 3
Shipper's Bill of Lading No. 3
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTC Ent LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTC Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	3ZT EST		
	51021 Terminal 2			
	ESM Attached			
	33.81 Ton			
	5/10/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM®

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 111 Terminal Road - RIP 5/10 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	5102 Terminal 3			
	2nd Ld. Ellsworth			
	36.37 Tons			
	5/10/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DHG-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DHG Ent LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 521 Terminal Road, Fall 5/12 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State Zip County

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DHG Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30T EST		
	5/12/21 Terminal 1			
	[illegible]			
	37.15 tons			
	5/12/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 1321 Terminal Road, EPCP 5-12 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			
	51221 Terminal 2			
	Sri Attalah			
	38.01 Ton			
	5/12/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp: not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

A&L

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and/or rates have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FRP 5-12 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier mh Rails Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	5 12 21 Terminal 3			
20T		34 T		
	SM. Attalub			
	36 40 Ton			
	5/12/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pre No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D&G-T

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 5/12 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. D&G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling	32	T	
	5/12 Terminal 4			
	1st Ld			
		EM		
		36.83		
		5/10/21		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

DTC Ent LCC #3

Carrier's Pro No. DTC-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and other terms hereby established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FRLP 5/12 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTC Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	3 ST EST		
	5 1 2 1 Terminal 5			
	Edu Atoll			
	36.66 ton			
	5/12/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DVG 8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FLP 5/12 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State _____ Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DVG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	5122 Terminal 6			
	2nd Ld [signature]			
	35.79 Tons			
	5/12/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. VHC-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DtG Ent LLC II S

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 321 Terminal Road EPP From 642 Allens Ave., Providence, RI

5/13 20 21

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DtG Ent Car or Vehicle Initials 3 No. 5

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	321 EST		
	5/13/21 Terminal 1			
	Eglu Arbold			
	36.63 Tons			
	5/13/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

1

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G 8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road PPLP 5/13 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	5132 Terminal 2			
	Ex Attach			
	36.53 Tons			
	5/13/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903
FRAC #
@ LNG BERM

SC PPW 3/1/2021

WORK ORDER NO. 102466667-001

DOCUMENT NO. 857082 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 LP Norman Transportation VEHICLE ID # _____

EPA ID # MA5085888026 TRANS. 1 PHONE _____

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu	
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company	
FACILITY EPA ID #			SHIPPER EPA ID #	
MED980672182			RID007918774	
ADDRESS			ADDRESS	
57 Rumery Road			40 Sylvan Road	
CITY	STATE	ZIP	CITY	STATE ZIP
South Portland	ME	04106	Waltham	MA 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS A.T267B1RIRB-FPLP EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

GROUND WATER FROM LNG PILE INSTALLATIONS.

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim DeWolf #125 Agent for Narragansett Elect.	SIGN d#215 Agent for TNEC	DATE 05/13/21
TRANSPORTER 1	PRINT Mike Burns	SIGN	DATE 5/14/21
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Original – Not Negotiable **STRAIGHT BILL OF LADING** SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - TDP 5-14- 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH 03307 **State** _____ **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ **To be filled in only when shipper desires and governing tariffs provide for delivery thereof.**

Route _____

Delivering Carrier J Webber **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	5142 Terminal			
	ESW Attached			
	36.24 ton			
	5/14/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

1

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

AXL

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - PVD 5-11 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	51421 Terminal			
1 OT		34 T		
	Soil / Asbestos			
	33.40 ton			
	5/14/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTC 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTC LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - Yard 5/14 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH 03307 State Zip County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Allied Transport Car or Vehicle Initials S No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T Est		
	5141, Term 3			
	Esh Appel			
	34.84 Tn			
	51141			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DVG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 642 Allens Ave., Providence, RI From 5/14 20 21

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DVG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	5/14/21 Terminal #4			
	Elev Applied			
	35.35 Tons			
	5/14/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

J Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road PVD 5-14 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling			
	5141 Terminals			
	35.81 Tn			
	5/14/21			

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

JC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP (5-14 20 21) From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier JC Car or Vehicle Initials 97719 No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	51421 Terminal 6			
	33 Tons			
	Elm Attached			
	34.01 Tons			
	5/14/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. Dto 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

Dto Ent Lec #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 5/6 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State Zip County

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Dto Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	(32 EST)		
	5 06 21 Terminal			
	Esmi / Attach			
	38.91 tons			
	5/6/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original - Not Negotiable Effective 03

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DAC 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 5/7 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

(Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mitt Grant Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	(32T Est)		
	ESMI / Man Cert			
	5/7/21			
	31.34 Ton			
	50721 Terminal 1			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $_____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced.

$ _____

*Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

*The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTC-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 5/5 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTC-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	5053 Terminal			
	34.59 Tan			
	5/5/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect CHECK BOX IF COLLECT [ ]

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____

(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			
	SOIL Terminal 2			
	Eli Arold			
	3741 Tox			
	5/5/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $_____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$_____

† Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

† The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM.

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

AXL

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road, FPLP 5/5 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [illegible] **Car or Vehicle Initials** _____ **No.** 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	~~[illegible]~~ 505 Terminal 3			
	[illegible]			
1 DT	33.40 Tons	34T		
	5/5/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The time boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM

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Attachment #3

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTE
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

(Name of Carrier)

at 121 Terminal Road - FPLP 5/5 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)

Route

Delivery Address ★

Delivering Carrier [signature] DTE Ent

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30T EST		
	5052 Terminal 4			
	Soil Added			
	34.89 tons			
	5/5/21			

Car or Vehicle Initials 3 No. 3

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

$ Charges Advanced:

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature]

Permanent post-office address of shipper Shipper, Per

Agent, Per

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3/3 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	50521 Terminal 5			
	Elli Artola			
	35.37 Ton			
	5/5/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

_____ Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

‡Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SPORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 21 Terminal Road, Fall 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip ____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	+	
	505 Terminal 6			
	2nd Ld			
	Esri Attolia			
	3571 TUN			
	5/5/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. (CHECK BOX IF COLLECT ☐)

Received $ _____ to apply in prepayment of the charges on the property described hereon

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B)

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
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44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 671 Terminal Road 5-5 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State _____ Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier mrk Nels Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	050521 Terminal Rd 7			
10T	[illegible]	34T		
	33.23 Tons			
	5/5/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP From 642 Allens Ave., Providence, RI

5-6 2021

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier Mark Rails Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	5/6/21 Terminal 2			
1 LOT		34T		
	ESMMgmt			
	33.77 Tons			
	5/6/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ †Signature of Consignor

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

_____ Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

D+G-8

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road EPP 5/6 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier _____ Car or Vehicle Initials _____ No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	050621 Terminal 3			
	ESMI / Applied			
	36.87 tons			
	5/6/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 5-6 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ (Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling			
	56621 Terminal Rd 4			
	ESMI (A Bobah			
	35.53 tons			
	5/6/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-D

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 6/7 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier DTG-D Car or Vehicle Initials _____ No. DTG-D

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	ESMI/MacCef			
	5/7/21			
	33.46 Ton			
	50721 Terminal 2			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. D16-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DAL Entlcc #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FPLP 5/7 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [signature] Dtlent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	321 EST		
	ESMI / Mac [signature]			
	5/7/21			
	35.99 Ton			
	50721 Terminal 3			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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Original – Not Negotiable **STRAIGHT BILL OF LADING**

SHIPPER FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 5/7 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] **Car or Vehicle Initials** _____ **No.** DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	ESMI/Man. Cert			
	2nd 5/7/21			
	34.98 Ton			
	50721 Terminal 4			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 5-7 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC Leasing Car or Vehicle Initials 97719 No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	ESMI/Man Cy 33 tons			
	5/7/21			
	39.32 Ton			
	50721 Terminal 5			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

T.C. Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip ____ County ____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T.C. Leasing Car or Vehicle Initials 28719 No. 762

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	50721 Terminal 6	35 Ton		
	ESMI/Man Cert			
	5/7/21			
	39.43 Ton			
	50721 Terminal 6			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTG 9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6/2 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T Est		
	Load Terminal			
	Soil Load			
	3903 Tons			
	6/2/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

Original – Not Negotiable **STRAIGHT BILL OF LADING** SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6-3 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	60321 Terminal 1			
	Eric Attold			
	35.80 tons			
	6/3/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTC-9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTC Ent LLC #9

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 6/4 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTC Ent Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	39.1 Est		
	6042 Terminal rd			
	ESMI/M. Quy			
	6/4/21			
	39.1 ton			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per

Liability limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FP LP Lot 2 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr, Londonderry **State** NH 03307 **County** _____ **Delivery Address** ★ _____ (Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10	Non-Hazardous Contaminated Soil for Recycling			
	6021 Terminal 2			
	37.95 Ton			
	6/2/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

The fibreboxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM®

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 6-2 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier mh Roads Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	60221 Terminal 3			
10T		34T		
	[illegible]			
	35.55 Ton			
	6/2/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6/2 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	6/2/21 Terminal 4			
	ESMA Hoeh 4			
	3786 tons			
	6/2/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consigner, the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

T.C. Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T.C. Leasing Car or Vehicle Initials 46381 MA No. 25

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	35	tons	
	60321 Terminal 2			
	Eglin Attell			
	35.73 Ton			
	6/3/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per [signature]

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speedset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

JC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr, Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier JC Car or Vehicle Initials _____ No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	6053 Tons Non-Hazardous Contaminated Soil for Recycling			
	32 tons			
	Ellsworth			
	37.09 Tons			
	6/3/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The blank boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

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44-302•Quadruplicate

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - PVD 6-3-2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____ (Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling			
	6052 tarp 4			
	Eqn Addl			
	3704 tons			
	6/3/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 6-4 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ (Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			
	60421 Terminal rd 2			
	ESMI/Mon Cof			
	6/4/21			
	39.04 Ton			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable See 49 U.S.C. § 14706(c)(1)(A) and (B).

‡The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

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44-302•Quadruplicate

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. 216-9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

D to Ent LCC #7

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier D to Ent Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST.		
	60421 Terminal rd 3			
	CSMI/Mass Cleanup			
	6/4/21			
	34.75 Ton			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignee shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DH6-9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DHGentlcc #1

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5/24 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [illegible] Car or Vehicle Initials [illegible] No. [illegible]

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	52421 Terminal			
	[illegible]			
	38.73 Ton			
	5/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPUP 5/24 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ (Mail or street address of consignee – For purposes of notification only.) Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	52421 Terminal 2			
	Equipment			
	36.01 Tons			
	5/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Tim Wells (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classification and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPP 5-24 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Wells Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
107	Non-Hazardous Contaminated Soil for Recycling			
	5241 Terminal 3			
	Eski Abdo			
	37.03 Tons			
	5/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5-24 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [illegible] Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	52421 Terminal 4			
1 DT		34T		
	[illegible]			
	36.42 Ton			
	5/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

(Name of Carrier) Gaslet 17-10

at 121 Terminal Road - PPLP 5-24 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	34 Ton		
	52421 Terminal			
	Gaslet truck #17-10			
	ESN #1000			
	37.07 Tons			
	5/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Goulet

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - NP 5/24/21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ (Mail or street address of consignee – For purposes of notification only.) Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling		32-150	
	52421 Terminal 6			
	ESU Addell			
	40.46 Tn			
	5/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Gould Trucking 18-11 T-122
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that are established by the carrier and are available to the shipper, on request.

at 121 Terminal Road NPT 5-24 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	35T		
	T2421 Terminal 7			
	Ellsworth			
	3426 Tons			
	572461			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) Gourlet Trucking 1813

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, PLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 ton		
	52421 terminal 8			
	Edw Ardell			
	37.31 Ton			
	5/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Load 252501

(Name of Carrier) Goulet Trucking

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - PPLP 5-24 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	35TN		
	5/24 Terminal 9			
	ESM Attach			
	34.64 Tons			
	5/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** [signature] **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - Prov 5/25 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt 252489

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ (Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	5521 Terminal 1			
	Gowett Trucking	Est. 32-34 TON		
	Eshi Addo			
	40.35 Tons 5/25/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

18-11 T-131

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) Gault Trucking

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5-25 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	35		
	5/25/21 Terminal 2			
	Ellsworth			
	35.41 Tons			
	5/25/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. Load
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) 252774

(Name of Carrier) Soulet Trucking

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 52 Terminal Road, FRP May 25 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **(Mail or street address of consignee – For purposes of notification only.)** **Delivery Address** ★ _____

★ **To be filled in only when shipper desires and governing tariffs provide for delivery thereof.**

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30 Ton		
	52521 Terminal 3			
	Emi Attal			
	35.29 ton			
	5/25/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

_____ Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** [signature] 5-25-21 **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. 04
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) Goulet Trucking 14-13

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32		
	52521 Terminal 4			
	Esli [illegible]			
	3455 [illegible]			
	5/25/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AxL

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5-25 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] **Car or Vehicle Initials** _____ **No.** 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	52521 Terminal 5			
10T		34T		
	[signature]			
	33.92 Tons			
	5/25/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, FLP 5-25 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State _____ Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	52521 Permanent 6			
	Eli Addell			
	37.90 tons			
	5/25/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D&G-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FRP 5/25 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D&G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	~~Est~~ 5/25/21 Terminal 7			
	ESMI Attached			
	37.08 tons			
	5/25/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FRLP **From** 642 Allens Ave., Providence, RI

5-25 20 21

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** 25

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32		
	52621 Terminal 1			
	[illegible]			
	36.29 Tons			
	5/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** [signature] 5-25-21 **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 5-25-2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC Car or Vehicle Initials 9771 NH No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	52621 Terminal 2			
	32 tons			
	Ellsworth			
	37.22 Tons			
	5/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. 1469
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 5/26 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [illegible] Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	2T EST		
	5264 Terminal			
	[illegible]			
	36.38 tons			
	5/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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Carbonless Speediset® Forms
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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Dr-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5/26 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. [signature]

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	5 Dec 21 Terminal 4			
	1st Ld			
	ESMi Attached			
	36.76 tons			
	5/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5-26 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____
(Mail or street address of consignee – For purposes of notification only.)
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	526 Terminal 5			
	ESM Add'l			
	3783 Tons			
	5/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Axl
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 5-26 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier mh Rail Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	5/26/21 Terminal 6			
1 DT		34T		
	Elmi Abdel			
	33.97 ton			
	5/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTG 9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTG Ent LLC #9

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5/26 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTG Ent Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	52621 Terminal 7			
	Eric Arnold			
	38-06 Tons			
	5/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5-26 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			
	5/26/21 Terminal 8			
	Elle [signature]			
	3294 [illegible]			
	5/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AxL

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FPU 5-26 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier mt Nab **Car or Vehicle Initials** _____ **No.** 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	52621 Terminal 9			
10T		34T		
	Esmi Adelo			
	32.93 tons			
	5/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - PPLP 5/26 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	5624 Tenine 16			
	2nd Ld	Soil Attchd		
		38.29 Tons		
		5/26/21		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTC-9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTC Ent LLC #9

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] established by the carrier and are available to the shipper, on request:

at 121 Terminal Road PPD 5/28 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

Route

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier DTC Ent Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	(72T EST)		
	5282 Terminal			
	Ent Hold			
	38.69 ton			
	5/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 5-28 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
107	Non-Hazardous Contaminated Soil for Recycling			
	5/28/21 Terminal 2			
	Esli Attel			
	37.65 ton			
	5/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DG-8
(Name of Carrier)

RECEIVED, subject to individually determined or agreed upon rates that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5/28/20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to _____

67 International Dr. Loudon NH 03307
(Mail or street address of consignee – For purposes of notification only.)

Destination _____ State _____ Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32 T		
	52821 Terminal 3			
	Eric Attardo			
	38.79 tons			
	5/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. 01
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) Goulet Trucking #252422

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] established by the carrier and are available to the shipper, on request,

at 121 Terminal Road, Hpt Pt 20 5/20/21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 Ton		
	052021 Terminal 1			
	[illegible]			
	33.24 tons			
	5/20/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

DTC Ent LLC #9

Carrier's Pro No. DTC-9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PVD 5/18 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTC Ent Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	52T 25		
	5/18/21 Terminal			
	ESW Attached			
	35.48 tons			
	5/18/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced†

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DtG 9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DtG Ent LLC #7 1st Load

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5/21 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [signature] DtG Ent Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	52121 Terminal 1			
	[signature]			
	34.41 tons			
	5/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SUBJECT TO ORIG

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DAG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PRP 5/18 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DAG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	5/18/21 Terminal 2			
	ESMI Ticket			
	35.54 tons			
	5/18/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

_____ Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

(Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.)

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____.

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

STRAIGHT BILL

Carrier's Pro No.
Shipper's Bill of Lading No. 10904
Consignee's Reference/PO No.
Carrier's Code (SCAC) 252421

(Name of Carrier) Gould Trucking

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 20 5-20-21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

(Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	34 Tns		
	5202 Terminal 2			
	ESMI/Attleb			
	36.13 tons			
	5/20/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____ 20 May 21

Permanent post-office address of shipper _____

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Gaulet Trucking
(Name of Carrier)

18-11 Eve-9

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - PPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, includias those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	34.		
	52021 Tetanus3			
	Shuttle Q			
	36.01 tons			
	5/20/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per _____ Agent, Per _____

5-20-21

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. 002
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) Goulet Trucking

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	33 ton		
	52121 Terminal 2			
	Eli Attebel			
	31.60 tons			
	5/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) Goulet Trucking

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, EPCP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt.

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Goulet Trucking Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	34720		
	5421 Terminal 3			
	Ellen Kidd			
	35.83 Tons			
	5/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

†Shipper's Imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per 21 May 21

Permanent post-office address of shipper _____

REDIFORM.

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Gayet 18-11 T-124
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	5/21 Terminal 7			
	[signature]			
	35.63 Tons			
	5/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

‡Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

*The libre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

5-21-21

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5-21 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 ton		
	~~[illegible]~~ 5/21/21 Terminal 5			
	Gallet Trucking			
	[illegible]			
	97,220 29.84 ton			
	5/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Steven Paulin Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

DK Enterprises #9 — Enviroland

Carrier's Pro No. DK-9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - PPP From 642 Allens Ave., Providence, RI

5/21 20 21

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307
State Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Ptt Ptt Car or Vehicle Initials G No. 7

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T est		
	5121 Terminal 6			
	Eli Attell			
	34.53 tons			
	5/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced $

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

T. C. Lessing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T. C. Lessing Car or Vehicle Initials 4638/MA No. 25

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	52121 Terminal 7	35 Tons		
	[illegible]			
	37.49 tons			
	5/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per [signature]

Permanent post-office address of shipper _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] established by the carrier and are available to the shipper, on request;

at Allens Ave 2-21 2021 From P 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier TC Car or Vehicle Initials 97719 No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	52121 Terminal 8			
	32 tons			
	Eli Abdelh			
	38.67 tons			
	5/21/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DT6 9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

Dr Cont Lcc #9

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 6/17 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [illegible] Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T Est		
	1			
	Ski/Attach			
	37.27 Tons			
	6/17/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibreboxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 6-17 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH 03007 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 2			
10T		34T		
	ESMI/Attached			
	33-00 tons			
	6/17/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

T. C. Lessing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt (Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T.C. Lessing Car or Vehicle Initials 88716 MA No. 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	3			
	Non-Hazardous Contaminated Soil for Recycling			
		35 TON		
	ESW Added			
	32.63 / TON			
	6/17/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] established by the carrier and are available to the shipper, on request;

at Allens Ave Northbrook FPLP 6-17 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC Car or Vehicle Initials _____ No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 4			
	32 tons			
	Elm Attach			
	33.01 / tons			
	6/17/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHIPPER FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6/13 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
107	Non-Hazardous Contaminated Soil for Recycling			
	39.53 tons			
	6/14/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and [illegible] established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FPLP 6-14 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [illegible] Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 DT	[illegible]	34T		
	38.25 Ton			
	6/14/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6/14 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling 3			
	ESU Attached			
	36.95 tan			
	6/14/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6-14 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH 03307 **County** _____ **Delivery Address** ★ _____
(Mail or street address of consignee – For purposes of notification only.)
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier mtrans **Car or Vehicle Initials** _____ **No.** 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 OT	Ellsworth	34T		
	3377 tons			
	6/14/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTC 7
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

Dte Entler #9

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6/28 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [illegible] PAT Eng Car or Vehicle Initials 9 No. 5

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	Elmi Attalla			
	34.74 Tons			
	6/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ ... to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHIPPER FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

D+G-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road Trip 6/28 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling	32	T	
	[signature]			
	34.93 / ton			
	6/28/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

As Pst for [signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Original – Not Negotiable DFC Ent LLC #9

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DFC 9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6/24 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** **Delivery Address** ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DFC Ent **Car or Vehicle Initials** 9 **No.** 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	[signature]			
	35.37 TONS			
	6/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** **Agent, Per**

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6-24 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH ZIP 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	Esri Appliance			
	35.35 Tons			
	6/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTC-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 4/24 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTC-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	32.99 Ton			
	6/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

T.C. Lessings
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt (Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T. C. Lessings Car or Vehicle Initials 8876MA No. 657

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
4	Non-Hazardous Contaminated Soil for Recycling	35Ton		
	35.91 Tons			
	6/24/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. D16 9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

D16 Ent LLC #9

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6/25 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier D16 Ent Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	3LT 1ST		
	ESMI/Main Corp			
	6/25/21			
	35.41 Ton			
	62521 terminal 1			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 6-25 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling			
	ESMI/ManCef			
	6/25/21			
	34.37 Ton			
	62521 terminal 2			

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pre No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 6/25 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	ESMI/M. Cunha			
	6/25/21			
	40.3C			
	62521 Terminal 3			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

† Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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44-302•Quadruplicate

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AXL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 6-25 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mike Rails **Car or Vehicle Initials** _____ **No.** 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 DT		34 T		
	ESMI/Manch			
	6/25/21			
	35.23 Ton			
	62521 terminal 4			

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

DtG Ent LLC #3

Carrier's Pro No. DtG 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - Pmp From 642 Allens Ave., Providence, RI

8/26 20 21

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307

State Zip County

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DtG Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30T BST		
	35.71 tux			
	8/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

DG-8

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road PPLP 8/26 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a truck or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32 TN		
	36.78 Tons			
	8/26/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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SRS

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FRLR 5/1 2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30		
	Elm Attolla			
	33.93 tons			
	9/1/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____ 64

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STRAIGHT BILL OF LADING

Short Form

Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) S.R.S.

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - EPR 20 9-1-2021 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Environmental Soil Mgmt

Consigned to _____ (Mail or street address of consignee – For purposes of notification only.)

67 International Dr. Loudon NH 03307

Destination _____ **State** _____ **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30		
		2		
	ESMi #1000			
	26.71 Ton			
	@ 9/1/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier) S.R.S.

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 9-1-21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Esmi A Hole			
	30.18 tons			
	9/2/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 9/7 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	1			
	36.54 Tns			
	9/7/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speedlset® Forms
Rediform, Inc. Made in Canada

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STRAIGHT BILL OF LADING

SHORT FORM

DTC Ent LCS #5

Carrier's Pro No. DTC 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 9/7 20 21 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTC Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	ESM Attached 2			
	37-64 TCN			
	9/7/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Wells Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling			
	ESMI			
	38.12 Tons			
	1/13/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
_____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC Car or Vehicle Initials 4 / No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 3			
	33 tons			
	[illegible]			
	38.46 [illegible]			
	11/3/88			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ [signature] Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM®

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

T.C. Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T.C. Leasing Car or Vehicle Initials 88716 MA No. 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	[signature]	35 TON		
	35.91 TON			
	1/13/21			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

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FRANK

44-301•Triplicate
44-302•Quadruplicate

1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 1-13 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 25

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
4	Non-Hazardous Contaminated Soil for Recycling	32 tons		
	Eli: Mudd			
	33.55 Tons			
	1/13/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ 1-13-22 Agent, Per _____

Permanent post-office address of shipper _____

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Carbonless Speediset® Forms
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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

R+L

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 1			
1 DT	Ship Ticket 35.15 tons 11/14/22	34T		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM®

Carbonless Speediset® Forms
Redlform, Inc. Made in Canada

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING, SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 1-19 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC Car or Vehicle Initials U Y No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	SLM 44810	32 tons		
	35.76 TNS			
	1/19/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T-C Leasing Car or Vehicle Initials 88716 MA No. 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	3			
	Non-Hazardous Contaminated Soil for Recycling	35 Tons		
	[signature]			
	35.19 Tons			
	1/14/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The filter boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper on request;

at 121 Terminal Road - PPLP 1-14 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** 36

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
4	Non-Hazardous Contaminated Soil for Recycling	33 tons		
	32.92 Tons 1/14/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ 1-14-22 **Agent, Per** _____

Permanent post-office address of shipper _____

1

Original – Not Negotiable

Different load # 3

STRAIGHT BILL OF LADING

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

(Name of Carrier)

Carrier's Pro No. DHL-
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

at 121 Terminal Road - FPLP 2/28 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transp this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

Route

Delivering Carrier DHL DH

(Mail or street address of consignee – For purposes of notificat

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery

Car or Vehicle Initials 3 No. 5

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1	Non-Hazardous Contaminated Soil for Recycling Edw Allen 35.56 Tons 2/28/22	32,1 TST		

Subject to Section 7 of Conditions of applic bill of lading, if this shipment is to be delivered the consignee without recourse on the consignor the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all othe lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

$ Charges Advanced:

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Permanent post-office address of shipper

Shipper, Per

Agent, Per

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STRAIGHT BILL OF LADING

SHIPPER PRO #:

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

Jim Webber (Name of Carrier)

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being un throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carri route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every servi performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transporta this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ (Mail or street address of consignee – For purposes of notification

Route _____ Delivering Carrier _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery ther

Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	34.97 Tons			
	2/28/22			

Subject to Section 7 of Conditions of applicabl bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

$ _____ Charges Advanced:

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Permanent post-office address of shipper _____

Agent, Per _____

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STRAIGHT BILL OF LADING

AXL

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, FPLP

2-28 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being under throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier o route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportatio this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification on

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Route _____

Delivering Carrier [illegible]

Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling 3			
		34T		
	@ Eli Attoa			
	29.36 tons			
	2/28/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____

(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Permanent post-office address of shipper _____

Agent, Per _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. 7465
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FPLP 2/28 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DAB Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	4 (7ET 2ST)		
	[illegible]			
	35.96 Tons			
	2/28/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - PPL 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State _____ Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Weber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	EW Attached			
	35.52 tons			
	2/28/12			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

† Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

A+L
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 2-28 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **NH State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____
(Mail or street address of consignee – For purposes of notification only.)
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 6			
1 OT	Elm Attached	34T		
	32.95 Tex			
	2/28/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Mary

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

Dte Ent Lec #3

(Name of Carrier)

Carrier's Pro No. Dte-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3/1 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [signature] DTE Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	[signature]			
	34.11 TONS			
	3/1/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fiber boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

J.W. Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J.W. Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
2	Non-Hazardous Contaminated Soil for Recycling			
	37.85 Tons			
	3/1/12			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

† Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

J.W. Webber Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

A x L
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request.

at 121 Terminal Road - FPLP From 642 Allens Ave., Providence, RI

3 2 2022

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 OT	Non-Hazardous Contaminated Soil for Recycling 3374 TONS 3/1/22	34T		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____.

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The libre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

DTG-3

Carrier's Pro No. DTG-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTG Env't LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPD on 3/1/2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTG Env't Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
3	Non-Hazardous Contaminated Soil for Recycling 36.71 Ton 3/1/22	(32 Est)		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Agent, Per

Permanent post-office address of shipper

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt (Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	SW 4000			
	36,98 tns			
	3/1/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT. ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamps; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____.

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM.

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

AXL

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - PVD 3-1 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understoo throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on th route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to b performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rai or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

Route _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 OT		34T		
	33.92 TON			
	3/1/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $_____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibreboard used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

DTC Entrec #3

(Name of Carrier)

Carrier's Pro No. DTC
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road FPLP 3/14 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another c route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property that every s performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transpo this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notificati

Route

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery t

Delivering Carrier DTC Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 1	32 TEST		
	[signature]			
	35.73 Tons			
	3/14/22			

Subject to Section 7 of Conditions of applic bill of lading, if this shipment is to be delivered the consignee without recourse on the consignor the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all oth lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

$ Charges Advanced:

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Permanent post-office address of shipper

Shipper, Per

Agent, Per

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

DTG-8

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3/14 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being und throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every servic performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this i or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportati this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification o

Route _____

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery ther

Delivering Carrier _____

Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling 2	32	✓	
	ESoil Attached 35.77 Tons 3/14/22			

Subject to Section 7 of Conditions of applicab bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____

(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per _____

Permanent post-office address of shipper _____

Agent, Per _____

REDIFORM®

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

D&B Ent Lic #5

Carrier's Pro No. D&B
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

(Name of Carrier)

at 121 Terminal Road - FFLP 3/14 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being unc throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrie route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every servic performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportat this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification o

Route

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery ther

Delivering Carrier D&B Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 3	32T EST		
	[illegible]			
	36.52 tons			
	3/14/22			

Subject to Section 7 of Conditions of applicab bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp: not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Permanent post-office address of shipper

Agent, Per

REDIFORM

Carbonless Speediset® Forms
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Original – Not Negotiable

STRAIGHT BILL OF LADING

DVG-8

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

(Name of Carrier)

at 121 Terminal Road FPLP 3/14 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being un throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrie route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every servi performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportat this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification

Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery the

Delivering Carrier _____

Car or Vehicle Initials _____ No. DVG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	2nd Ld Esri Attached 36-OX tan 3/14/22			

Subject to Section 7 of Conditions of applicab bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____

(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Permanent post-office address of shipper _____ Shipper, Per _____ Agent, Per _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DAG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 67 International Road, Epp 3/15 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DAG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 LOT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	1st Ld	~~32~~ 37.31	ton	
		3/15/22		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC Car or Vehicle Initials 61 No. 97719

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Emi Applied 32 tons			
	38.53 tons			
	3/15/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

Carrier's Pro No. 016-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

D16 Ent LLC #3
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 5/11 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt
(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier D16-Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	(32 EST)		
		3		
	34.44 Tons			
	3/15/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per Agent, Per

Permanent post-office address of shipper

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DHG-8
(Name of Carrier)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

at 121 Terminal Road - EPLD 3/15 2022 From 642 Allens Ave., Providence, RI

Environmental Soil Mgmt

Consigned to _____

67 International Dr. Loudon NH 03307

Destination _____ State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DHG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	4	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling		32	T	
	2nd Ld		37.31 TONS		
			3/17/22		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

† The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

Original – Not Negotiable

DH Enf Lic #9

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DH6-9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, (Name of Carrier)
otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road FPED 3/7 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being under
throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier o
route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service
performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a
or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County

Route

Delivering Carrier

(Mail or street address of consignee – For purposes of notification onl
Delivery Address ★
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereo

DH6 on 1

Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T Est.		
	Ellu Abdo 3479 for 3/16/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Permanent post-office address of shipper

Agent, Per

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Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

DVG-8

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PRLP 3/16 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

Route _____

Delivering Carrier _____

(Mail or street address of consignee – For purposes of notification only)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereto

Car or Vehicle Initials _____ No. DVG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling 2	32	T	
	37.95 TON			
	3/16/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Permanent post-office address of shipper _____

Agent, Per _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable DAG Ent LLC #9

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. PAG 4
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3/16 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] PAG Ent **Car or Vehicle Initials** 9 **No.** 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	72T EST		
	ESM [illegible] 3			
	38.48 Tons			
	3/16/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

DG-8

SHIPPER COPY

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3/16 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being under throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier o route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification on

Route _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Delivering Carrier DG-8

Car or Vehicle Initials _____ No. DG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	4			
	EW Added			
	37.00 Tons			
	3/16 DG			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per _____

Permanent post-office address of shipper _____

Agent, Per _____

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STRAIGHT BILL OF LADING

STRAIGHT BILL

Carrier's Pro No. 4Tec ✓
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

McCarthy #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - PVD 3/17 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier MK Dtec Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	(EST)		
	Ebi Addl			
	34.07 tons			
	3/17/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

REDIFORM.

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

AxL

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FPLP 3-17 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only)
Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereon

Delivering Carrier _____ Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 DT		34 T		
	31.97 Tons			
	3/17/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE.- Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Permanent post-office address of shipper _____

Agent, Per _____

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STRAIGHT BILL OF LADING

DAE Ent ccc #3

Carrier's Pro No. DAE-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3/17 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Att DAE Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 3	(3 ZT EST)		
	Em Abdel			
	36.58 Tons			
	3/17/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

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Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AxL
(Name of Carrier)

RECEIVED subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3-17 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier [signature] Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 4			
10T	[signature]	34 T		
	33.64 Tons			
	3/17/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B)

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

DTC Ent LLC #

Carrier's Pro No. DTC-3
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 3/18 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

(Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier NRG DTC Ent **Car or Vehicle Initials** 3 **No.** 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	35.81 Ton		
1				
	3/18/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

_____ Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHIPPER'S COPY

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AxL

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, FRLP 3-18 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ **To be filled in only when shipper desires and governing tariffs provide for delivery thereof.**

Route _____

Delivering Carrier [illegible] **Car or Vehicle Initials** _____ **No.** 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 DT	[illegible] 2	34 T		
	32,31 tons			
	3/18/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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Original – Not Negotiable

D+G Entl Lic #3

STRAIGHT BILL OF LADING

SHIPPER FORM

Carrier's Pro No. D+G
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

(Name of Carrier)

at 121 Terminal Road - FPLP 3/18 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being und throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every servic performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this i or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportati this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification o

Delivery Address ★

Route

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Delivering Carrier [signature] D+G Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	3LT EST		
	[signature] 3			
	34.89 tons			
	3/18/22			

Subject to Section 7 of Conditions of applicabl bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per

Permanent post-office address of shipper

Agent, Per

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STRAIGHT BILL OF LADING

Axl

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPUP 3-7e 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** ____ **County** ____ **Delivery Address** ★ ____

(Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route ____

Delivering Carrier ____ **Car or Vehicle Initials** ____ **No.** 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	4			
1 OT	[illegible]	34T		
	35.66 tons			
	3/18/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ ____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per ____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ ____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding ____ **per** ____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per ____ Agent, Per ____

Permanent post-office address of shipper ____

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	Elu Added			
	38.99 Tons			
	3/23/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AxL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3-23 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 OT	[signature]	34 T		
	33.93 tons			
	3/23/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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DEC Ext LLC #7

STRAIGHT BILL OF LADING

Carrier's Pro No. Date

Shipper's Bill of Lading No.

Consignee's Reference/PO No.

Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

(Name of Carrier)

at 121 Terminal Road - PPLP 3/23 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being under throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportatio this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification or

Delivery Address ★

Route

Delivering Carrier

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T Est		
	3			
	38.07 Tons			
	3/23/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The blue box is used for this shipment conforms to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Permanent post-office address of shipper

Agent, Per

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - Epp (Name of Carrier) 3/22 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a motor carrier shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307

Route _____ State _____ Zip _____ County _____

Delivering Carrier _____ (Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery to such address.

Car or Vehicle Initials _____ No. D66-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	36.54 TN			
	3/25/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____

(The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Permanent post-office address of shipper _____ Shipper, Per _____

Agent, Per _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTC-
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, (Name of Carrier)
otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;
at 121 Terminal Road PVD 3/23 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being under
throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier o
route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service t
performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a
or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

**Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation
this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.**

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307
State Zip

Route County

(Mail or street address of consignee – For purposes of notification onl
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereo

Delivering Carrier

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	33T Est		
	Ellsworth			
	33.86 tons			
	3/23/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

$ Charges Advanced:

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Permanent post-office address of shipper

Shipper, Per

Agent, Per

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DTG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3/23 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr., Loudon NH **State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____
(Mail or street address of consignee – For purposes of notification only.)

Route _____ ★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
LDT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	6			
	2nd Ld			
	35.48 T			
	3/23/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DHG 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

[illegible]

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3/24 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [illegible] Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T 6T		
	[illegible] 1			
	36.19 Tons			
	3/24/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[illegible] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DHE

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 7/27 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DHE 8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Jim Webber **(Name of Carrier)**

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FPLP **20** **From** 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Webber **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			
	Esu Asbestos 3			
	37.83 tons			
	3/27/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Axe

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3-25 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	4			
4 DT	[signature]	34T		
	~~31.81~~ 31.81 [illegible]			
	3/24/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. Pt 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3/25 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	75		
	Man Ref			
	3/25/22			
	37.95 Ton			
	32522 terminal 1			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DGT

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 3/25 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a motor or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only)

Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof

Delivering Carrier [signature]

Car or Vehicle Initials _____ No. DGT

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	[signature] 3/25/22			
	36.93 Ton			
	32522 terminal 2			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Permanent post-office address of shipper _____ Agent, Per _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Tim Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understor throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on tl route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to b performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a ra or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation o this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier J Weller

Car or Vehicle Initials _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	ESMI/Man Cty			
	3/25/22			
	36.42 Ton			
	32522terminal3			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

A+2

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, contracts, rules and regulations applicable thereto prescribed by the carrier and are available to the shipper, on request,

(Name of Carrier)

at 121 Terminal Road - FPLP 3-26 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being un throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carri route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every serv performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transporta this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ (Mail or street address of consignee – For purposes of notification Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thes

Delivering Carrier mtrans Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 pt	FSMS/Manifest			
	3/25/22			
	35.56 Ton	34T		
	32522 terminal 4			

Subject to Section 7 of Conditions of applicab bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibreboxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Permanent post-office address of shipper _____

Agent, Per _____

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Dreent Lic #3

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. Dre 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, PPLP 3/28 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being under throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier o route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification on

Delivery Address ★

Route

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereo

Delivering Carrier Dreent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	ESMI/Mac [signature]			
	3/28/22			
	36.99 Ton			
	32822 terminal 1			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per

Permanent post-office address of shipper

Agent, Per

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STRAIGHT BILL OF LADING

DG-8

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, contracts, rules and regulations established by the carrier and available to the shipper, on request;

at 121 Terminal Road - FPLF 3/28 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being under throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier o route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportatio this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification on

Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Delivering Carrier _____ Car or Vehicle Initials _____ No. DG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 VT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	ESMI/Main Cap			
	3/28/22			
	32.79 Ton			
	1st Ld			
	32502-terminal2			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per _____

Permanent post-office address of shipper _____

Agent, Per _____

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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable,

J Webber
(Name of Carrier)

otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - Tipp 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being und
throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier
route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every servic
performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this i
or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportati this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification o

Route _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Delivering Carrier J Webber Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling			
	ESMI/Mansfield			
	3/28/22			
	37.66 Ton			
	32822 terminal 3			

Subject to Section 7 of Conditions of applicabl bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

$ _____ Charges Advanced:

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weigh.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Permanent post-office address of shipper _____

Agent, Per _____

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STRAIGHT BILL OF LADING

SHORT FORM

AxL

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3-28 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ **Delivery Address** ★ _____

(Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier NRTS **Car or Vehicle Initials** _____ **No.** 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	ESMI/Man Cap			
1 OT	3/28/22	34 T		
	31.85 Ton			
	32822 terminal 4			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

Original – Not Negotiable

DtG Ent LCC #3

STRAIGHT BILL OF LADING

SHIPPER FORM

Carrier's Pro No. DtG-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road FPLP 3/28 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understo throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on t route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a r or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation o this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★

Route

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier DtG Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	ESMI/Manuel			
	3/28/22			
	35.01 Ton			
	32822 terminal 5			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Permanent post-office address of shipper

Agent, Per

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Original – Not Negotiable

STRAIGHT BILL OF LADING

DLB-8

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPUP 3/28/2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State _____ 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DLB-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	2nd Ld ESM2/Mac A 3/28/22 36.97 Ton			
	32822 terminal 6			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

J Webber
(Name of Carrier)

at 121 Terminal Road - PVD 3 28 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereto

Route _____

Delivering Carrier J Webber

Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10T	Non-Hazardous Contaminated Soil for Recycling			
	ESMI/Manifest			
	3/28/22			
	37.99 Ton			
	32822 terminal 7			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property per
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

REDIFORM

Carbonless Speediset® Forms
Rediform, Inc. Made in Canada

44-301•Triplicate
44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

A2C

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - PLP 3-26 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier mh RR Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	ESMI/Manifest			
10T	3/28/22	34T		
	32.49 Ton			
	32822 terminal 8			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

‡Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Original – Not Negotiable

DtC Ent LLC #3

STRAIGHT BILL OF LADING

Carrier's Pro No. DtC
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

(Name of Carrier)

at 121 Terminal Road - FPLP 3/29 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being un throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carri route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every serv performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transporta this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification

Route

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery the

Delivering Carrier DtC Ent

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	3/29/22			
	36.99 Ton			
	32922 terminal 1			

Subject to Section 7 of Conditions of applicat bill of lading, if this shipment is to be delivered t the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all othe lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Permanent post-office address of shipper Shipper, Per

Agent, Per

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44-302•Quadruplicate

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STRAIGHT BILL OF LADING

D+G-8

(Name of Carrier)

Carrier's Pro No.
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 3/29 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being u throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carri route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every serv performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transports this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification)

Route

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery the

Delivering Carrier

Car or Vehicle Initials

No. D+G-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
107	Non-Hazardous Contaminated Soil for Recycling	32	T	
	1 st Load Mar 3/29/22			
	37.17 ton			
	32922 terminal 2			

Subject to Section 7 of Conditions of applicab bill of lading, if this shipment is to be delivered t the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all othe lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Permanent post-office address of shipper

Agent, Per

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44-302•Quadruplicate

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

J Webber
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP Mar 29 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being unde throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportati this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ (Mail or street address of consignee – For purposes of notification o Delivery Address ★ _____

Route _____

Delivering Carrier J Weller

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling			
	Mar Ref			
	3/29/22			
	36.15 Ton			
	32922 terminal 3			

Subject to Section 7 of Conditions of applicabl bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Permanent post-office address of shipper _____

Agent, Per _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

A×L
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, FPLP 3-29 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being under throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier o route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportatio this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307

State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification on

Route _____

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Delivering Carrier [signature]

Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
1 DT	[signature] 3/29/22	34T		
	32.5 Ton			
	32922 terminal 4			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____

Permanent post-office address of shipper _____

Agent, Per _____

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DHE Eat LLC #3

STRAIGHT BILL OF LADING

Carrier's Pro No. DHE 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

(Name of Carrier)

at 121 Terminal Road - FPLP 3/29 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being unde throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportati this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification o

Route

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Delivering Carrier DHE DHE Eat

Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	36 (est)		
	ESMI/Manifest			
	3/29/22			
	35.87 Ton			
	32922 terminal 5			

Subject to Section 7 of Conditions of applicabl bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced.

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Permanent post-office address of shipper

Agent, Per

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STRAIGHT BILL OF LADING

DTG-8

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper on request:

at 121 Terminal Road - PVD 3/29 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307
State Zip County

(Mail or street address of consignee – For purposes of notification only)
Delivery Address ★

Route

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereto

Delivering Carrier JM

Car or Vehicle Initials _____ No. DTG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 YDT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	Manifest			
	3/29/22			
	Grd Ld 36.65 ton			
	32922 terminal 6			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

J Webber
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - RPLP From 642 Allens Ave., Providence, RI

3 29 20 22

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being und throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every servic performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this i or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportati this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification o

Route _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery ther

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Mon 28			
	3/29/22			
	36.97 Ton			
	32922 terminal 7			

Subject to Section 7 of Conditions of applicabl bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Permanent post-office address of shipper _____

Agent, Per _____

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Carbonless Speediset® Forms
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44-302•Quadruplicate

Original – Not Negotiable

STRAIGHT BILL OF LADING

ACL

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3-29 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ (Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier none Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Manifest			
10T	3/29/22	34T		
	33.42 Ton			
	32922 terminal 8			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTG 3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DtG Int Lic #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, FDP 3/30 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Environmental Soil Mgmt

Consigned to

(Mail or street address of consignee – For purposes of notification only.)

67 International Dr. Loudon NH 03307

Destination State Zip County Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	(32T EST)		
	[signature]			
	35.00 Tons			
	3/30/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DVG-8

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road TPLP 3/30 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. DVG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DX	Non-Hazardous Contaminated Soil for Recycling	32	T	
	2			
		Elu Attached		
	1st Ld	36.79 tons		
		3/30/22		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

J Webber (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3 30 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being unde throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every servic performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportati this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 57 International Dr. Loudon NH State 03307 Zip _____ County _____ (Mail or street address of consignee – For purposes of notification o

Route _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Delivering Carrier J Webber

Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1DT	Non-Hazardous Contaminated Soil for Recycling 3			
	Elu Arbeeler			
	35.93 tons			
	3/30/22			

Subject to Section 7 of Conditions of applicabl bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Permanent post-office address of shipper _____

Agent, Per _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Axl
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3-30 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being u throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carr route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every serv performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if thi or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transporta this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ (Mail or street address of consignee – For purposes of notification)

Route _____ Delivery Address ★ _____

Delivering Carrier _____ ★ To be filled in only when shipper desires and governing tariffs provide for delivery the

Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 OT	Non-Hazardous Contaminated Soil for Recycling 4			
	Ell Appell	34 T		
	34.19 Tons			
	3/30/22			

Subject to Section 7 of Conditions of applicab bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

$ _____ Charges Advanced:

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Permanent post-office address of shipper _____ Shipper, Per _____

Agent, Per _____

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STRAIGHT BILL OF LADING

SHORT FORM

TC Lessing
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3-30 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC Car or Vehicle Initials LI No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling X			
	Eli Abbah 32 tons			
	36-65 Tons			
	3/30/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The libre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

TC Lersu

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 3-30 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier _____ Car or Vehicle Initials _____ No. 25

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 6			
	[illegible]	33 [illegible]		
	38.06 [illegible]			
	3/30/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

DG-8

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FRLP 3-30 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32 T		
	7			
	2nd Load			
		34.91 Net		
		3/30/22		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre box used for this shipment conforms to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

J Weller

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, [illegible] that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, FPLP 3 30 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being unde throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportati this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification o

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Route _____

Delivering Carrier J Weller

Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
10	Non-Hazardous Contaminated Soil for Recycling 8			
	Eli Arnold			
	35175 Tons			
	3/30/22			

Subject to Section 7 of Conditions of applicabl bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____

(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Permanent post-office address of shipper _____

Agent, Per _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AKL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 3-29 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being under throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier o route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportatio this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification on

Route _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery there

Delivering Carrier _____ Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 LOT	Non-Hazardous Contaminated Soil for Recycling 9	34T		
	3323 Tons			
	3/30/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Permanent post-office address of shipper _____ Shipper, Per _____ Agent, Per _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Mystic Metal Trucking
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - PVD 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307
State Zip

Route _____ County _____

(Mail or street address of consignee – For purposes of notification only)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof

Delivering Carrier Mystic Metal Trucking Car or Vehicle Initials _____ No. 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1	Non-Hazardous Contaminated Soil for Recycling 33.53 Tons 4/11/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Permanent post-office address of shipper _____

Agent, Per _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, (Name of Carrier) Mystic Motor Trans
otherwise to the rates, classifications and all rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another ca route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every se performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if t or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transpor this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ (Mail or street address of consignee – For purposes of notificatio

Route _____ Delivering Carrier _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery th

Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 2			
	Ellie Arnold			
	33.20 Tons			
	4/11/22			

Subject to Section 7 of Conditions of applica bill of lading, if this shipment is to be delivered the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all othe lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

$ _____ Charges Advanced.

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre box used for this shipment conforms to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Permanent post-office address of shipper _____ Shipper, Per _____

Agent, Per _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable,
otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

(Name of Carrier)

at 121 Terminal Road - FRP on 4-11 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier here
throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another
route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every
performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if
or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

**Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transp
this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.**

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

(Mail or street address of consignee – For purposes of notificat
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
3	Non-Hazardous Contaminated Soil for Recycling 32 tons 39.18 tons 4/11/22			

Subject to Section 7 of Conditions of applic
bill of lading, if this shipment is to be delivered
the consignee without recourse on the consignor
the consignor shall sign the following statement.
The carrier shall not make delivery of this
shipment without payment of freight and all oth
lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Permanent post-office address of shipper _____

Shipper, Per _____

Agent, Per _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Mystic Motor Trans
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, contracts, rules and regulations applicable thereto which have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road FRLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mystic Motor Trans **Car or Vehicle Initials** _____ **No.** 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	36.60 TNS			
	4/11/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

Mystic Motor Trans
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications, and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mystic Motor Trans Car or Vehicle Initials _____ No. 27

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	5		
	[signature]			
	32-90 tons			
	4/11/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B)

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

TC Leasing

(Name of Carrier)

Carrier's Pro No. ____
Shipper's Bill of Lading No. ____
Consignee's Reference/PO No. ____
Carrier's Code (SCAC) ____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 4-11 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip ____ County ____ Delivery Address ★ ____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route ____

Delivering Carrier ____ Car or Vehicle Initials ____ No. 25

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		33 tons		
	[signature]			
	34.55 TAS			
	7/11/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect CHECK BOX IF COLLECT ☐

Received $ ____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per ____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ ____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per ____

Permanent post-office address of shipper ____

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Mystic Motor Trans
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mystic Motor Trans Car or Vehicle Initials _____ No. 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	32.21 TONS			
	4/12/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Mystic Motor Trans
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** MMT **No.** 27

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
2	Non-Hazardous Contaminated Soil for Recycling			
	30.38 Tons			
	4/12/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

TC Leasing
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 4-12-2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understo throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on t route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a r or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation t this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____

Route _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier TC **Car or Vehicle Initials** _____ **No.** 601

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
3	Non-Hazardous Contaminated Soil for Recycling			
	36.39 Tons	32 tons		
	4/12/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

† The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Mystic Motor Trans (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, FPLE 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Environmental Soil Mgmt

Consigned to _____

67 International Dr. Loudon NH 03307

Destination _____ State _____ Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mystic Motor Trans Car or Vehicle Initials _____ No. 42

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 4			
	[signature]			
	3210 Tons			
	4/12/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____

(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

TC Leasing
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 123 Terminal Road FLP 4-12 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials — No. 25

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		33 tons		
	Ele [signature]			
	36.44 tons			
	4/12/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon and all other requirements of the Consolidated Freight Classification

[signature] Shipper, Per [signature] 4-12-22 Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

Mystic Motor Trans

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request,

at 121 Terminal Road - PLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mystic Motor Trans Car or Vehicle Initials _____ No. 27

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			

6

[signature]
28.69 Tons
4/12/22

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

RETURN COPY

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

AxL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 124 Terminal Road - FRLP on 5-2 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier mb Rail Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
10T	Ebw/Asbestos 36.82 Tons 5/2/22	34T		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Mystic Motor Trans (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 5-2- 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

67 International Dr. Loudon NH 03307

Delivery Address ★ _____

Destination _____ State _____ Zip _____ County _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Car or Vehicle Initials _____ No. _____

Delivering Carrier _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 2	32 tons		
	[signature]			
	30.53 tons			
	5/2/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Mystic Motor Trans (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rates that have been established by the carrier and are available to the shipper, on request;

at 27 Terminal Road - FDP 5-2- 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Environmental Soil Mgmt

Consigned to _____

67 International Dr. Loudon NH 03307

(Mail or street address of consignee – For purposes of notification only.)

Destination _____ **State** _____ **Zip** _____ **County** _____ **Delivery Address** ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 2	32 tons		
	[signature]			
	30.53 tons			
	5/2/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] **Shipper, Per** [signature] **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Mystic Motor Trans (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 5-2-2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH **State** 03307 **Zip** _____ **County** _____ **Delivery Address** ★ _____ (Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** ET 29 **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1	Non-Hazardous Contaminated Soil for Recycling 3	30 Tons		
	Edy Arbela			
	32.26 tons			
	@ 5/2/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

BxL
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 5-2 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier [signature] Car or Vehicle Initials _____ No. 14

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 4			
1 DT	[signature]	34 T		
	34.19 tons			
	5/2/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Mystic Motor Trans (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FRLP 5-2-2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt (Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials #29 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30 Tons		
	[signature]			
	33.38 Tons			
	5/2/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.
$ _____

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Mystic Motor Tcons (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - Fall R 5-2-2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Mystic Motor Tcons Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
6	Non-Hazardous Contaminated Soil for Recycling	32 tons		
	39.42 tons 5/2/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Mystic motor trans
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FRLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30+		
	Edw Sable			
	35.11 tons			
	5/10/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Mystic Motor Trans (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FPLP 5 - 10 - 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understoo throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on th route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to b performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a ra or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation o this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 tons (est)		
	Em Arsel			
	32.50 TNW			
	5/10/22			

2

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, Fall River 5-10 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understoo throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on th route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to b performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rai or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation o this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 25

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	ESMi			
	36.70 Tons			
	5/10/22			

Subject to Section 7 of Conditions of applicabl bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all othe lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ 5-10-22 Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC Car or Vehicle Initials _____ No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	4		
	Empty 32 tons			
	35.15 tons			
	5/10/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).
†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

TC Leasing
(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC Car or Vehicle Initials _____ No. 41

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	4		
	E Swift Rd	32 tons		
	35.15 tons			
	5/10/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Mystic Motor Trans
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	31 T		
	Eni / Applied			
	32.27 tons			
	5/11/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Mystic Motor Trans (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 5-11 - 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ (Mail or street address of consignee – For purposes of notification only.) Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 tons (est.)		
	ESMAD 32.66 tons 5/11/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing Corp
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road, E. P. 5-11 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** 25

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		33000		
	36.14 Tons			
	5/11/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ 5-11-22 **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Jeans
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FRLP 3-11-2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC Car or Vehicle Initials 4 No. 44

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	Estimated 37.61 tons	32 tons		
	5/11/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Mystic Motor Trans (Name of Carrier)

RECEIVED, subject to individual terms and conditions of contract, that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5-12- 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH 03307 State _____ Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials # 29 No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1	Non-Hazardous Contaminated Soil for Recycling	32 Tons		
	[signature]			
	33.41 Tons			
	5/12/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING 252506

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Gould Trucking (Name of Carrier)

RECEIVED, subject to the classifications and tariffs in effect on the date hereof, if the rate has been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Environmental Soil Right

Consigned to _____

67 International Dr. Loudon NH 03307

Destination _____ **State** _____ **Zip** _____ **County** _____ **Delivery Address** ★ _____ (Mail or street address of consignee – For purposes of notification only.)

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 2	est 32 ton		
	Ellen Asbell			
	33.31 TNS			
	5/12/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

2527778

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Gould Trucking Inc #2012 T-137

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 124 Terminal Road - PROV 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	3	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling		31.5		
	31.89 Ton				
	5/12/22				

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DHG 9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - HPLP 5/12 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [signature] Agent

Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	[signature]			
	38.40 Tons			
	5/12/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Goulet Trucking (Name of Carrier) 252505

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 tons		
	Ev [illegible]			
	35-32 ton			
	5/14/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per [signature] Derrick Boles Agent, Per _____

Permanent post-office address of shipper _____

1

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DTG Enf Llc #9

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTG-9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

at 121 Terminal Road PPLP 20 From 642 Allens Ave., Providence, RI

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier Attl DTG Enf Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 T Est		
	Esm Approved 1			
	35.89 Tons			
	5/13/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Mesons
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, and classifications and tariffs in effect on the date hereof, if and as specified by the carrier and are available to the shipper, on request;

at 121 Terminal Road, E.P.P. 5-13 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____
★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier TC **Car or Vehicle Initials** _____ **No.** 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 3			
	1 TR/R load			
	Shiftdrub			
	38.27 tons			
	5/13/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

TC Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 321 Terminal Road PVD 5-13 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. 25

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		33 ton		
	Edw Arbella			
	34.74 Tons			
	5/13/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ 5-13-22 Agent, Per _____

Permanent post-office address of shipper _____

1

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DAG-9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DtE Ent LLC #9

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 171 Terminal Road - FPLP 5/13 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH 03307 State Zip County

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DtE Ent Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	Elyptable 5			
	36.81 TUS			
	5/13/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. 969
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

D&T Enterprises

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PPLP 5/16 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier D&T Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T Est		
	Ellsworth 36.59 PPW 5/16/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

1

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DAG Ent Ccc# 9

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DAG-9
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 5/16 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier [signature] DAG Ent

Car or Vehicle Initials 9 No. 9

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling 2	(32T EST)		
	[signature] 32.87 TWO 5/16/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced: $

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

SHORT FORM

DTC Ent LLC #3

(Name of Carrier)

Carrier's Pro No. DTC-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - PTP 5/17 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTC Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1	Non-Hazardous Contaminated Soil for Recycling	22T EST		
	ESM Addl			
	36.63 Tons			
	5/17/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per Agent, Per

Permanent post-office address of shipper

1

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STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. DTC-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

DTC-Envt LLC #3

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP From 642 Allens Ave., Providence, RI

5/17 20 22

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon State NH Zip 03307 County

Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DTC-Envt LLC

Car or Vehicle Initials ? No. 5

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	(20 TONS)		

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per

Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

300322

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

Goulet Trucking (Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - Exit 1 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____ (Mail or street address of consignee – For purposes of notification only.)

Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Goulet Trucking **Car or Vehicle Initials** 18-16 **No.** _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	34 T		
1				
	37.51 Tn			
	@ 7/13/22			
	weight is estimated.			

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

Shipper, Per _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

300319

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - RI 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier Goulet Trucking Inc. Car or Vehicle Initials 2222 No. T-129

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	30 Ton		
	2			
	32.98 Tons			
	7/13/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____
to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

DtG Ent Lic #3

(Name of Carrier)

Carrier's Pro No. DtG-3
Shipper's Bill of Lading No.
Consignee's Reference/PO No.
Carrier's Code (SCAC)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request:

at 121 Terminal Road - FPLP 7/13 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon NH State 03307 Zip County

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route

Delivering Carrier DtG Ent Car or Vehicle Initials 3 No. 3

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32T EST		
	3			
	[signature]			
	36.72 tons			
	7/13/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$

†Shipper's imprint in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

[signature] Shipper, Per Agent, Per

Permanent post-office address of shipper

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

DAG-8
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road FPLP 7/13 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ Car or Vehicle Initials _____ No. DAG-8

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1 DT	Non-Hazardous Contaminated Soil for Recycling	32	T	
	4			
	37.73 Tons			
	7/13/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

T.C. Cleaning

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to the classifications and tariffs in effect on the date hereof, the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

at 121 Terminal Road, E.P. 7/13/2022 From 642 Allens Ave., Providence, RI

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T.C. Cleaning **Car or Vehicle Initials** BBT16MA **No.** 659

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
		35 tons		
	37.96 tons			
	7/13/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____
Liability limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ **Shipper, Per** _____ **Agent, Per** _____

Permanent post-office address of shipper _____

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STRAIGHT BILL OF LADING

TC Leasing

(Name of Carrier)

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules established by the carrier and are available to the shipper, on request.

at 121 Terminal Road FRUP 7-13 2022 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon State NH Zip 03307 County _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

Route _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Delivering Carrier _____ Car or Vehicle Initials TC No. 61

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling			
	32 tons			
	TRK Load			
	Ed Adell			
	38.65 tons			
	7/13/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipper, Per _____

Permanent post-office address of shipper _____

Agent, Per _____

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STRAIGHT BILL OF LADING

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

T C Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 7-19 20 22 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

Destination 67 International Dr. Loudon **State** NH **Zip** 03307 **County** _____

(Mail or street address of consignee – For purposes of notification only.)
Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____ **Car or Vehicle Initials** _____ **No.** 25

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
	Non-Hazardous Contaminated Soil for Recycling	32 tons		
	Eli Adell			
	37.03 tons			
	7/19/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ **per** _____
Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

† The fibreboard used for this shipment conforms to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification

Shipper, Per _____ Agent, Per _____ 7-19-22

Permanent post-office address of shipper _____

Original – Not Negotiable

STRAIGHT BILL OF LADING

SHORT FORM

Carrier's Pro No. _____
Shipper's Bill of Lading No. _____
Consignee's Reference/PO No. _____
Carrier's Code (SCAC) _____

T.C Leasing
(Name of Carrier)

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request;

at 121 Terminal Road - FPLP 20 From 642 Allens Ave., Providence, RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract), agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Environmental Soil Mgmt

(Mail or street address of consignee – For purposes of notification only.)

Destination 67 International Dr. Loudon NH State 03307 Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier T.C. Leasing Car or Vehicle Initials 89716 No. 655

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
1	Non-Hazardous Contaminated Soil for Recycling	35 Ton		
	37.08 Ton 7/19/22			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

Freight charges are PREPAID unless marked collect. CHECK BOX IF COLLECT ☐

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:
$ _____

†Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether it is carrier's or shipper's weight.
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Liability Limitation for loss or damage on this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

_____ Shipper, Per _____ Agent, Per _____

Permanent post-office address of shipper _____

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CERTIFICATE OF ANALYSIS

Sophia Narkiewicz
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: 642 Allens Ave (03.0033554.04)
ESS Laboratory Work Order Number: 19I0930

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 4:23 pm, Oct 07, 2019

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Sterling Analytical Lab - West Springfield, MA	Sulfur

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

SAMPLE RECEIPT

The following samples were received on September 27, 2019 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on 9/27/19 at 18:21.

Lab Number	Sample Name	Matrix	Analysis
19I0930-01	SS-01	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014
19I0930-02	SS-02	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014
19I0930-03	SS-03	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014
19I0930-04	SS-04	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014
19I0930-05	SS-05	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014
19I0930-06	SS-06	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

PROJECT NARRATIVE

8270D Semi-Volatile Organic Compounds

C9I0507-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (99% @ 80-120%), 4,6-Dinitro-2-Methylphenol (95% @ 80-120%), Benzoic Acid (91% @ 80-120%)

C9J0008-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (89% @ 80-120%), 4,6-Dinitro-2-Methylphenol (91% @ 80-120%), Benzoic Acid (90% @ 80-120%)

C9J0009-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (112% @ 80-120%), 4,6-Dinitro-2-Methylphenol (112% @ 80-120%), Benzoic Acid (111% @ 80-120%), Pentachlorophenol (108% @ 80-120%)

C9J0042-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (103% @ 80-120%), 4,6-Dinitro-2-Methylphenol (95% @ 80-120%), Benzoic Acid (88% @ 80-120%)

C9J0042-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
N-Nitrosodimethylamine (21% @ 20%)

C9J0054-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (127% @ 80-120%), 4,6-Dinitro-2-Methylphenol (125% @ 80-120%), Benzoic Acid (117% @ 80-120%), Pentachlorophenol (121% @ 80-120%)

C9J0054-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2,4-Dinitrophenol (27% @ 20%), 4,6-Dinitro-2-Methylphenol (25% @ 20%), Pentachlorophenol (21% @ 20%)

C9J0054-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
N-Nitrosodimethylamine (21% @ 20%)

Total Metals

CJ90146-BSD1 **Blank Spike recovery is above upper control limit (B+).**
Selenium (124% @ 80-120%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-01
Date Sampled: 09/27/19 13:45
Percent Solids: 88

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.73** (2.49)		6010C		1	KJK	10/04/19 1:02	2.29	100	CJ90146
Barium	**23.3** (2.49)		6010C		1	KJK	10/03/19 2:17	2.29	100	CJ90146
Cadmium	ND (0.50)		6010C		1	KJK	10/03/19 2:17	2.29	100	CJ90146
Chromium	**7.68** (1.00)		6010C		1	KJK	10/03/19 2:17	2.29	100	CJ90146
Lead	**45.8** (4.98)		6010C		1	KJK	10/04/19 1:02	2.29	100	CJ90146
Mercury	**0.030** (0.024)		7471B		1	MKS	10/02/19 10:05	0.93	40	CJ90147
Selenium	ND (4.98)		6010C		1	KJK	10/03/19 2:17	2.29	100	CJ90146
Silver	ND (0.50)		6010C		1	KJK	10/03/19 2:17	2.29	100	CJ90146

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-01
Date Sampled: 09/27/19 13:45
Percent Solids: 88
Initial Volume: 10.4
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1,1,1-Trichloroethane	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1,1,2,2-Tetrachloroethane	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1,1,2-Trichloroethane	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1,1-Dichloroethane	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1,1-Dichloroethene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1,1-Dichloropropene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1,2,3-Trichlorobenzene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1,2,3-Trichloropropane	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1,2,4-Trichlorobenzene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1,2,4-Trimethylbenzene	**0.0047** (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1,2-Dibromo-3-Chloropropane	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1,2-Dibromoethane	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1,2-Dichlorobenzene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1,2-Dichloroethane	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1,2-Dichloropropane	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1,3,5-Trimethylbenzene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1,3-Dichlorobenzene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1,3-Dichloropropane	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1,4-Dichlorobenzene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1,4-Dioxane	ND (0.0548)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
1-Chlorohexane	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
2,2-Dichloropropane	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
2-Butanone	ND (0.0274)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
2-Chlorotoluene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
2-Hexanone	ND (0.0274)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
4-Chlorotoluene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
4-Isopropyltoluene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
4-Methyl-2-Pentanone	ND (0.0274)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Acetone	ND (0.0274)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Benzene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Bromobenzene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-01
Date Sampled: 09/27/19 13:45
Percent Solids: 88
Initial Volume: 10.4
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Bromodichloromethane	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Bromoform	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Bromomethane	ND (0.0055)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Carbon Disulfide	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Carbon Tetrachloride	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Chlorobenzene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Chloroethane	ND (0.0055)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Chloroform	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Chloromethane	ND (0.0055)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
cis-1,2-Dichloroethene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
cis-1,3-Dichloropropene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Dibromochloromethane	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Dibromomethane	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Dichlorodifluoromethane	ND (0.0055)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Diethyl Ether	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Di-isopropyl ether	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Ethyl tertiary-butyl ether	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Ethylbenzene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Hexachlorobutadiene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Isopropylbenzene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Methyl tert-Butyl Ether	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Methylene Chloride	ND (0.0137)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Naphthalene	**0.0137** (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
n-Butylbenzene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
n-Propylbenzene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
sec-Butylbenzene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Styrene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
tert-Butylbenzene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Tertiary-amyl methyl ether	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Tetrachloroethene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Tetrahydrofuran	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-01
Date Sampled: 09/27/19 13:45
Percent Solids: 88
Initial Volume: 10.4
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
trans-1,2-Dichloroethene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
trans-1,3-Dichloropropene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Trichloroethene	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Trichlorofluoromethane	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Vinyl Acetate	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Vinyl Chloride	ND (0.0055)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Xylene O	ND (0.0027)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Xylene P,M	ND (0.0055)		8260B Low		1	10/02/19 21:02	C9J0044	CJ90227
Xylenes (Total)	ND (0.00548)		8260B Low		1	10/02/19 21:02		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*110 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*100 %*		*70-130*
Surrogate: Dibromofluoromethane	*104 %*		*70-130*
Surrogate: Toluene-d8	*99 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-01
Date Sampled: 09/27/19 13:45
Percent Solids: 88
Initial Volume: 19.9
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 9/27/19 19:52

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**237** (43.0)		8100M		1	10/01/19 6:22	C9I0519	CI92707

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*76 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-01
Date Sampled: 09/27/19 13:45
Percent Solids: 88
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/27/19 19:50

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
1,2,4-Trichlorobenzene	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
1,2-Dichlorobenzene	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
1,3-Dichlorobenzene	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
1,4-Dichlorobenzene	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
2,3,4,6-Tetrachlorophenol	ND (1.89)		8270D		1	10/02/19 2:05	C9J0009	CI92706
2,4,5-Trichlorophenol	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
2,4,6-Trichlorophenol	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
2,4-Dichlorophenol	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
2,4-Dimethylphenol	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
2,4-Dinitrophenol	ND (1.89)		8270D		1	10/02/19 2:05	C9J0009	CI92706
2,4-Dinitrotoluene	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
2,6-Dinitrotoluene	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
2-Chloronaphthalene	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
2-Chlorophenol	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
2-Methylnaphthalene	**0.680** (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
2-Methylphenol	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
2-Nitroaniline	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
2-Nitrophenol	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
3,3´-Dichlorobenzidine	ND (0.755)		8270D		1	10/02/19 2:05	C9J0009	CI92706
3+4-Methylphenol	ND (0.755)		8270D		1	10/02/19 2:05	C9J0009	CI92706
3-Nitroaniline	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
4,6-Dinitro-2-Methylphenol	ND (1.89)		8270D		1	10/02/19 2:05	C9J0009	CI92706
4-Bromophenyl-phenylether	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
4-Chloro-3-Methylphenol	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
4-Chloroaniline	ND (0.755)		8270D		1	10/02/19 2:05	C9J0009	CI92706
4-Chloro-phenyl-phenyl ether	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
4-Nitroaniline	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
4-Nitrophenol	ND (1.89)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Acenaphthene	**0.494** (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Acenaphthylene	**1.38** (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Acetophenone	ND (0.755)		8270D		1	10/02/19 2:05	C9J0009	CI92706

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-01
Date Sampled: 09/27/19 13:45
Percent Solids: 88
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/27/19 19:50

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.755)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Anthracene	**2.35** (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Azobenzene	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Benzo(a)anthracene	**4.37** (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Benzo(a)pyrene	**2.97** (0.189)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Benzo(b)fluoranthene	**3.00** (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Benzo(g,h,i)perylene	**1.90** (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Benzo(k)fluoranthene	**2.31** (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Benzoic Acid	ND (1.89)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Benzyl Alcohol	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
bis(2-Chloroethoxy)methane	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
bis(2-Chloroethyl)ether	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
bis(2-chloroisopropyl)Ether	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
bis(2-Ethylhexyl)phthalate	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Butylbenzylphthalate	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Carbazole	**0.958** (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Chrysene	**3.91** (0.189)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Dibenzo(a,h)Anthracene	**0.816** (0.189)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Dibenzofuran	**0.391** (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Diethylphthalate	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Dimethylphthalate	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Di-n-butylphthalate	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Di-n-octylphthalate	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Fluoranthene	**7.57** (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Fluorene	**1.22** (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Hexachlorobenzene	ND (0.189)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Hexachlorobutadiene	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Hexachlorocyclopentadiene	ND (1.89)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Hexachloroethane	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Indeno(1,2,3-cd)Pyrene	**1.75** (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Isophorone	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Naphthalene	**0.752** (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-01
Date Sampled: 09/27/19 13:45
Percent Solids: 88
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/27/19 19:50

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
N-Nitrosodimethylamine	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
N-Nitroso-Di-n-Propylamine	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
N-nitrosodiphenylamine	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Pentachlorophenol	ND (1.89)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Phenanthrene	**8.13** (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Phenol	ND (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Pyrene	**7.92** (0.377)		8270D		1	10/02/19 2:05	C9J0009	CI92706
Pyridine	ND (1.89)		8270D		1	10/02/19 2:05	C9J0009	CI92706

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*71 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*77 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*76 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*69 %*		*30-130*
Surrogate: 2-Fluorophenol	*70 %*		*30-130*
Surrogate: Nitrobenzene-d5	*75 %*		*30-130*
Surrogate: Phenol-d6	*77 %*		*30-130*
Surrogate: p-Terphenyl-d14	*77 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-01
Date Sampled: 09/27/19 13:45
Percent Solids: 88

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**2.00** (1.09)		9014		1	EEM	09/30/19 11:25	mg/kg dry	CI93024

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-01
Date Sampled: 09/27/19 13:45
Percent Solids: 88
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-01
Sample Matrix: Soil

Analyst: SUB
Prepared: 10/3/19 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**815** (100)		6010		1	SUB	10/04/19 13:23	mg/kg	CJ90361

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-02
Date Sampled: 09/27/19 14:00
Percent Solids: 91

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.44** (2.30)		6010C		1	KJK	10/04/19 11:40	2.39	100	CJ90146
Barium	**24.7** (2.30)		6010C		1	KJK	10/03/19 2:21	2.39	100	CJ90146
Cadmium	ND (0.46)		6010C		1	KJK	10/03/19 2:21	2.39	100	CJ90146
Chromium	**7.35** (0.92)		6010C		1	KJK	10/03/19 2:21	2.39	100	CJ90146
Lead	**43.0** (4.61)		6010C		1	KJK	10/04/19 1:06	2.39	100	CJ90146
Mercury	**0.032** (0.026)		7471B		1	MKS	10/02/19 10:07	0.83	40	CJ90147
Selenium	ND (4.61)		6010C		1	KJK	10/03/19 2:21	2.39	100	CJ90146
Silver	ND (0.46)		6010C		1	KJK	10/03/19 2:21	2.39	100	CJ90146

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-02
Date Sampled: 09/27/19 14:00
Percent Solids: 91
Initial Volume: 11.4
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1,1,1-Trichloroethane	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1,1,2,2-Tetrachloroethane	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1,1,2-Trichloroethane	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1,1-Dichloroethane	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1,1-Dichloroethene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1,1-Dichloropropene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1,2,3-Trichlorobenzene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1,2,3-Trichloropropane	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1,2,4-Trichlorobenzene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1,2,4-Trimethylbenzene	**0.0029** (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1,2-Dibromo-3-Chloropropane	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1,2-Dibromoethane	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1,2-Dichlorobenzene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1,2-Dichloroethane	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1,2-Dichloropropane	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1,3,5-Trimethylbenzene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1,3-Dichlorobenzene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1,3-Dichloropropane	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1,4-Dichlorobenzene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1,4-Dioxane	ND (0.0483)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
1-Chlorohexane	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
2,2-Dichloropropane	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
2-Butanone	ND (0.0242)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
2-Chlorotoluene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
2-Hexanone	ND (0.0242)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
4-Chlorotoluene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
4-Isopropyltoluene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
4-Methyl-2-Pentanone	ND (0.0242)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Acetone	ND (0.0242)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Benzene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Bromobenzene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-02
Date Sampled: 09/27/19 14:00
Percent Solids: 91
Initial Volume: 11.4
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Bromodichloromethane	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Bromoform	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Bromomethane	ND (0.0048)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Carbon Disulfide	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Carbon Tetrachloride	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Chlorobenzene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Chloroethane	ND (0.0048)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Chloroform	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Chloromethane	ND (0.0048)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
cis-1,2-Dichloroethene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
cis-1,3-Dichloropropene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Dibromochloromethane	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Dibromomethane	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Dichlorodifluoromethane	ND (0.0048)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Diethyl Ether	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Di-isopropyl ether	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Ethyl tertiary-butyl ether	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Ethylbenzene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Hexachlorobutadiene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Isopropylbenzene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Methyl tert-Butyl Ether	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Methylene Chloride	ND (0.0121)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Naphthalene	**0.0342** (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
n-Butylbenzene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
n-Propylbenzene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
sec-Butylbenzene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Styrene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
tert-Butylbenzene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Tertiary-amyl methyl ether	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Tetrachloroethene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Tetrahydrofuran	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-02
Date Sampled: 09/27/19 14:00
Percent Solids: 91
Initial Volume: 11.4
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
trans-1,2-Dichloroethene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
trans-1,3-Dichloropropene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Trichloroethene	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Trichlorofluoromethane	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Vinyl Acetate	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Vinyl Chloride	ND (0.0048)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Xylene O	ND (0.0024)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Xylene P,M	ND (0.0048)		8260B Low		1	10/01/19 22:19	C9J0027	CJ90156
Xylenes (Total)	ND (0.00483)		8260B Low		1	10/01/19 22:19		[CALC]

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*111 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*100 %*		*70-130*
Surrogate: Dibromofluoromethane	*101 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-02
Date Sampled: 09/27/19 14:00
Percent Solids: 91
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 9/27/19 19:52

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**248** (40.7)		8100M		1	10/01/19 6:54	C9I0519	CI92707

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*76 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-02
Date Sampled: 09/27/19 14:00
Percent Solids: 91
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/27/19 19:50

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
1,2,4-Trichlorobenzene	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
1,2-Dichlorobenzene	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
1,3-Dichlorobenzene	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
1,4-Dichlorobenzene	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
2,3,4,6-Tetrachlorophenol	ND (1.80)		8270D		1	10/02/19 0:19	C9J0008	CI92706
2,4,5-Trichlorophenol	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
2,4,6-Trichlorophenol	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
2,4-Dichlorophenol	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
2,4-Dimethylphenol	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
2,4-Dinitrophenol	ND (1.80)		8270D		1	10/02/19 0:19	C9J0008	CI92706
2,4-Dinitrotoluene	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
2,6-Dinitrotoluene	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
2-Chloronaphthalene	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
2-Chlorophenol	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
2-Methylnaphthalene	**0.527** (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
2-Methylphenol	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
2-Nitroaniline	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
2-Nitrophenol	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
3,3´-Dichlorobenzidine	ND (0.720)		8270D		1	10/02/19 0:19	C9J0008	CI92706
3+4-Methylphenol	ND (0.720)		8270D		1	10/02/19 0:19	C9J0008	CI92706
3-Nitroaniline	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
4,6-Dinitro-2-Methylphenol	ND (1.80)		8270D		1	10/02/19 0:19	C9J0008	CI92706
4-Bromophenyl-phenylether	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
4-Chloro-3-Methylphenol	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
4-Chloroaniline	ND (0.720)		8270D		1	10/02/19 0:19	C9J0008	CI92706
4-Chloro-phenyl-phenyl ether	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
4-Nitroaniline	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
4-Nitrophenol	ND (1.80)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Acenaphthene	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Acenaphthylene	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Acetophenone	ND (0.720)		8270D		1	10/02/19 0:19	C9J0008	CI92706

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-02
Date Sampled: 09/27/19 14:00
Percent Solids: 91
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/27/19 19:50

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.720)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Anthracene	**0.483** (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Azobenzene	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Benzo(a)anthracene	**1.19** (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Benzo(a)pyrene	**0.935** (0.180)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Benzo(b)fluoranthene	**0.848** (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Benzo(g,h,i)perylene	**0.602** (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Benzo(k)fluoranthene	**0.788** (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Benzoic Acid	ND (1.80)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Benzyl Alcohol	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
bis(2-Chloroethoxy)methane	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
bis(2-Chloroethyl)ether	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
bis(2-chloroisopropyl)Ether	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
bis(2-Ethylhexyl)phthalate	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Butylbenzylphthalate	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Carbazole	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Chrysene	**1.07** (0.180)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Dibenzo(a,h)Anthracene	**0.211** (0.180)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Dibenzofuran	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Diethylphthalate	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Dimethylphthalate	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Di-n-butylphthalate	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Di-n-octylphthalate	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Fluoranthene	**2.07** (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Fluorene	**0.366** (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Hexachlorobenzene	ND (0.180)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Hexachlorobutadiene	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Hexachlorocyclopentadiene	ND (1.80)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Hexachloroethane	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Indeno(1,2,3-cd)Pyrene	**0.544** (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Isophorone	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Naphthalene	**0.653** (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-02
Date Sampled: 09/27/19 14:00
Percent Solids: 91
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/27/19 19:50

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
N-Nitrosodimethylamine	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
N-Nitroso-Di-n-Propylamine	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
N-nitrosodiphenylamine	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Pentachlorophenol	ND (1.80)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Phenanthrene	**1.82** (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Phenol	ND (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Pyrene	**2.39** (0.360)		8270D		1	10/02/19 0:19	C9J0008	CI92706
Pyridine	ND (1.80)		8270D		1	10/02/19 0:19	C9J0008	CI92706

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*70 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*73 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*76 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*67 %*		*30-130*
Surrogate: 2-Fluorophenol	*70 %*		*30-130*
Surrogate: Nitrobenzene-d5	*73 %*		*30-130*
Surrogate: Phenol-d6	*79 %*		*30-130*
Surrogate: p-Terphenyl-d14	*84 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-02
Date Sampled: 09/27/19 14:00
Percent Solids: 91

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-02
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**1.68** (1.07)		9014		1	EEM	09/30/19 11:25	mg/kg dry	CI93024

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-02
Date Sampled: 09/27/19 14:00
Percent Solids: 91
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-02
Sample Matrix: Soil

Analyst: SUB
Prepared: 10/3/19 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**650** (100)		6010		1	SUB	10/03/19 0:00	mg/kg	CJ90361

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-03
Date Sampled: 09/27/19 14:15
Percent Solids: 89

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.11** (1.93)		6010C		1	KJK	10/04/19 1:09	2.89	100	CJ90146
Barium	**18.6** (1.93)		6010C		1	KJK	10/03/19 2:25	2.89	100	CJ90146
Cadmium	ND (0.39)		6010C		1	KJK	10/03/19 2:25	2.89	100	CJ90146
Chromium	**6.44** (0.77)		6010C		1	KJK	10/03/19 2:25	2.89	100	CJ90146
Lead	**16.3** (3.87)		6010C		1	KJK	10/04/19 1:09	2.89	100	CJ90146
Mercury	**0.023** (0.022)		7471B		1	MKS	10/02/19 10:09	1.02	40	CJ90147
Selenium	ND (3.87)		6010C		1	KJK	10/03/19 2:25	2.89	100	CJ90146
Silver	ND (0.39)		6010C		1	KJK	10/03/19 2:25	2.89	100	CJ90146

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-03
Date Sampled: 09/27/19 14:15
Percent Solids: 89
Initial Volume: 10.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1,1,1-Trichloroethane	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1,1,2,2-Tetrachloroethane	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1,1,2-Trichloroethane	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1,1-Dichloroethane	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1,1-Dichloroethene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1,1-Dichloropropene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1,2,3-Trichlorobenzene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1,2,3-Trichloropropane	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1,2,4-Trichlorobenzene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1,2,4-Trimethylbenzene	**0.0035** (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1,2-Dibromo-3-Chloropropane	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1,2-Dibromoethane	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1,2-Dichlorobenzene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1,2-Dichloroethane	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1,2-Dichloropropane	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1,3,5-Trimethylbenzene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1,3-Dichlorobenzene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1,3-Dichloropropane	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1,4-Dichlorobenzene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1,4-Dioxane	ND (0.0527)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
1-Chlorohexane	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
2,2-Dichloropropane	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
2-Butanone	ND (0.0264)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
2-Chlorotoluene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
2-Hexanone	ND (0.0264)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
4-Chlorotoluene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
4-Isopropyltoluene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
4-Methyl-2-Pentanone	ND (0.0264)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Acetone	ND (0.0264)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Benzene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Bromobenzene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-03
Date Sampled: 09/27/19 14:15
Percent Solids: 89
Initial Volume: 10.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Bromodichloromethane	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Bromoform	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Bromomethane	ND (0.0053)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Carbon Disulfide	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Carbon Tetrachloride	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Chlorobenzene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Chloroethane	ND (0.0053)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Chloroform	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Chloromethane	ND (0.0053)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
cis-1,2-Dichloroethene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
cis-1,3-Dichloropropene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Dibromochloromethane	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Dibromomethane	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Dichlorodifluoromethane	ND (0.0053)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Diethyl Ether	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Di-isopropyl ether	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Ethyl tertiary-butyl ether	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Ethylbenzene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Hexachlorobutadiene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Isopropylbenzene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Methyl tert-Butyl Ether	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Methylene Chloride	ND (0.0132)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Naphthalene	**0.0725** (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
n-Butylbenzene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
n-Propylbenzene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
sec-Butylbenzene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Styrene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
tert-Butylbenzene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Tertiary-amyl methyl ether	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Tetrachloroethene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Tetrahydrofuran	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-03
Date Sampled: 09/27/19 14:15
Percent Solids: 89
Initial Volume: 10.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
trans-1,2-Dichloroethene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
trans-1,3-Dichloropropene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Trichloroethene	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Trichlorofluoromethane	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Vinyl Acetate	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Vinyl Chloride	ND (0.0053)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Xylene O	ND (0.0026)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Xylene P,M	ND (0.0053)		8260B Low		1	10/01/19 22:45	C9J0027	CJ90156
Xylenes (Total)	ND (0.00527)		8260B Low		1	10/01/19 22:45		[CALC]

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*109 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*99 %*		*70-130*
Surrogate: Dibromofluoromethane	*87 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-03
Date Sampled: 09/27/19 14:15
Percent Solids: 89
Initial Volume: 20.6
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 9/27/19 19:52

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**151** (40.7)		8100M		1	10/01/19 7:26	C9I0519	CI92707

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*76 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-03
Date Sampled: 09/27/19 14:15
Percent Solids: 89
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/27/19 19:50

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
1,2,4-Trichlorobenzene	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
1,2-Dichlorobenzene	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
1,3-Dichlorobenzene	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
1,4-Dichlorobenzene	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
2,3,4,6-Tetrachlorophenol	ND (1.88)		8270D		1	10/02/19 0:48	C9J0008	CI92706
2,4,5-Trichlorophenol	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
2,4,6-Trichlorophenol	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
2,4-Dichlorophenol	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
2,4-Dimethylphenol	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
2,4-Dinitrophenol	ND (1.88)		8270D		1	10/02/19 0:48	C9J0008	CI92706
2,4-Dinitrotoluene	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
2,6-Dinitrotoluene	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
2-Chloronaphthalene	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
2-Chlorophenol	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
2-Methylnaphthalene	**0.639** (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
2-Methylphenol	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
2-Nitroaniline	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
2-Nitrophenol	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
3,3´-Dichlorobenzidine	ND (0.750)		8270D		1	10/02/19 0:48	C9J0008	CI92706
3+4-Methylphenol	ND (0.750)		8270D		1	10/02/19 0:48	C9J0008	CI92706
3-Nitroaniline	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
4,6-Dinitro-2-Methylphenol	ND (1.88)		8270D		1	10/02/19 0:48	C9J0008	CI92706
4-Bromophenyl-phenylether	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
4-Chloro-3-Methylphenol	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
4-Chloroaniline	ND (0.750)		8270D		1	10/02/19 0:48	C9J0008	CI92706
4-Chloro-phenyl-phenyl ether	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
4-Nitroaniline	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
4-Nitrophenol	ND (1.88)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Acenaphthene	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Acenaphthylene	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Acetophenone	ND (0.750)		8270D		1	10/02/19 0:48	C9J0008	CI92706

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-03
Date Sampled: 09/27/19 14:15
Percent Solids: 89
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/27/19 19:50

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.750)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Anthracene	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Azobenzene	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Benzo(a)anthracene	**0.637** (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Benzo(a)pyrene	**0.576** (0.188)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Benzo(b)fluoranthene	**0.521** (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Benzo(g,h,i)perylene	**0.383** (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Benzo(k)fluoranthene	**0.385** (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Benzoic Acid	ND (1.88)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Benzyl Alcohol	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
bis(2-Chloroethoxy)methane	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
bis(2-Chloroethyl)ether	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
bis(2-chloroisopropyl)Ether	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
bis(2-Ethylhexyl)phthalate	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Butylbenzylphthalate	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Carbazole	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Chrysene	**0.558** (0.188)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Dibenzo(a,h)Anthracene	ND (0.188)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Dibenzofuran	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Diethylphthalate	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Dimethylphthalate	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Di-n-butylphthalate	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Di-n-octylphthalate	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Fluoranthene	**0.958** (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Fluorene	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Hexachlorobenzene	ND (0.188)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Hexachlorobutadiene	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Hexachlorocyclopentadiene	ND (1.88)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Hexachloroethane	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Indeno(1,2,3-cd)Pyrene	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Isophorone	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Naphthalene	**0.616** (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-03
Date Sampled: 09/27/19 14:15
Percent Solids: 89
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/27/19 19:50

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
N-Nitrosodimethylamine	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
N-Nitroso-Di-n-Propylamine	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
N-nitrosodiphenylamine	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Pentachlorophenol	ND (1.88)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Phenanthrene	**1.21** (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Phenol	ND (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Pyrene	**1.43** (0.375)		8270D		1	10/02/19 0:48	C9J0008	CI92706
Pyridine	ND (1.88)		8270D		1	10/02/19 0:48	C9J0008	CI92706

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*67 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*65 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*74 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*63 %*		*30-130*
Surrogate: 2-Fluorophenol	*65 %*		*30-130*
Surrogate: Nitrobenzene-d5	*73 %*		*30-130*
Surrogate: Phenol-d6	*77 %*		*30-130*
Surrogate: p-Terphenyl-d14	*75 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-03
Date Sampled: 09/27/19 14:15
Percent Solids: 89

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-03
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**1.10** (1.08)		9014		1	EEM	09/30/19 11:25	mg/kg dry	CI93024

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-03
Date Sampled: 09/27/19 14:15
Percent Solids: 89
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-03
Sample Matrix: Soil

Analyst: SUB
Prepared: 10/3/19 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**514** (100)		6010		1	SUB	10/03/19 0:00	mg/kg	CJ90361

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-04
Date Sampled: 09/27/19 14:30
Percent Solids: 89

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.38** (2.66)		6010C		1	KJK	10/04/19 1:13	2.12	100	CJ90146
Barium	**20.9** (2.66)		6010C		1	KJK	10/03/19 2:28	2.12	100	CJ90146
Cadmium	ND (0.53)		6010C		1	KJK	10/03/19 2:28	2.12	100	CJ90146
Chromium	**8.49** (1.06)		6010C		1	KJK	10/03/19 2:28	2.12	100	CJ90146
Lead	**24.2** (5.31)		6010C		1	KJK	10/04/19 1:13	2.12	100	CJ90146
Mercury	**0.027** (0.020)		7471B		1	MKS	10/02/19 10:11	1.09	40	CJ90147
Selenium	ND (5.31)		6010C		1	KJK	10/03/19 2:28	2.12	100	CJ90146
Silver	ND (0.53)		6010C		1	KJK	10/03/19 2:28	2.12	100	CJ90146

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-04
Date Sampled: 09/27/19 14:30
Percent Solids: 89
Initial Volume: 11.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1,1,1-Trichloroethane	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1,1,2,2-Tetrachloroethane	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1,1,2-Trichloroethane	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1,1-Dichloroethane	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1,1-Dichloroethene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1,1-Dichloropropene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1,2,3-Trichlorobenzene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1,2,3-Trichloropropane	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1,2,4-Trichlorobenzene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1,2,4-Trimethylbenzene	**0.0046** (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1,2-Dibromo-3-Chloropropane	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1,2-Dibromoethane	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1,2-Dichlorobenzene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1,2-Dichloroethane	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1,2-Dichloropropane	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1,3,5-Trimethylbenzene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1,3-Dichlorobenzene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1,3-Dichloropropane	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1,4-Dichlorobenzene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1,4-Dioxane	ND (0.0473)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
1-Chlorohexane	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
2,2-Dichloropropane	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
2-Butanone	ND (0.0236)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
2-Chlorotoluene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
2-Hexanone	ND (0.0236)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
4-Chlorotoluene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
4-Isopropyltoluene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
4-Methyl-2-Pentanone	ND (0.0236)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Acetone	ND (0.0236)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Benzene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Bromobenzene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-04
Date Sampled: 09/27/19 14:30
Percent Solids: 89
Initial Volume: 11.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Bromodichloromethane	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Bromoform	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Bromomethane	ND (0.0047)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Carbon Disulfide	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Carbon Tetrachloride	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Chlorobenzene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Chloroethane	ND (0.0047)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Chloroform	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Chloromethane	ND (0.0047)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
cis-1,2-Dichloroethene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
cis-1,3-Dichloropropene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Dibromochloromethane	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Dibromomethane	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Dichlorodifluoromethane	ND (0.0047)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Diethyl Ether	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Di-isopropyl ether	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Ethyl tertiary-butyl ether	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Ethylbenzene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Hexachlorobutadiene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Isopropylbenzene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Methyl tert-Butyl Ether	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Methylene Chloride	ND (0.0118)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Naphthalene	**0.0448** (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
n-Butylbenzene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
n-Propylbenzene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
sec-Butylbenzene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Styrene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
tert-Butylbenzene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Tertiary-amyl methyl ether	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Tetrachloroethene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Tetrahydrofuran	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-04
Date Sampled: 09/27/19 14:30
Percent Solids: 89
Initial Volume: 11.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
trans-1,2-Dichloroethene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
trans-1,3-Dichloropropene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Trichloroethene	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Trichlorofluoromethane	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Vinyl Acetate	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Vinyl Chloride	ND (0.0047)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Xylene O	ND (0.0024)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Xylene P,M	ND (0.0047)		8260B Low		1	10/02/19 21:27	C9J0044	CJ90227
Xylenes (Total)	ND (0.00473)		8260B Low		1	10/02/19 21:27		[CALC]

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*106 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*94 %*		*70-130*
Surrogate: Dibromofluoromethane	*95 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-04
Date Sampled: 09/27/19 14:30
Percent Solids: 89
Initial Volume: 19.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 9/30/19 12:17

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**147** (44.2)		8100M		1	10/01/19 12:04	C9I0519	CI93020

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*96 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-04
Date Sampled: 09/27/19 14:30
Percent Solids: 89
Initial Volume: 14
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/30/19 12:12

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
1,2,4-Trichlorobenzene	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
1,2-Dichlorobenzene	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
1,3-Dichlorobenzene	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
1,4-Dichlorobenzene	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
2,3,4,6-Tetrachlorophenol	ND (2.01)		8270D		1	10/03/19 16:34	C9J0054	CI93019
2,4,5-Trichlorophenol	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
2,4,6-Trichlorophenol	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
2,4-Dichlorophenol	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
2,4-Dimethylphenol	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
2,4-Dinitrophenol	ND (2.01)		8270D		1	10/03/19 16:34	C9J0054	CI93019
2,4-Dinitrotoluene	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
2,6-Dinitrotoluene	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
2-Chloronaphthalene	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
2-Chlorophenol	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
2-Methylnaphthalene	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
2-Methylphenol	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
2-Nitroaniline	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
2-Nitrophenol	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
3,3´-Dichlorobenzidine	ND (0.804)		8270D		1	10/03/19 16:34	C9J0054	CI93019
3+4-Methylphenol	ND (0.804)		8270D		1	10/03/19 16:34	C9J0054	CI93019
3-Nitroaniline	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
4,6-Dinitro-2-Methylphenol	ND (2.01)		8270D		1	10/03/19 16:34	C9J0054	CI93019
4-Bromophenyl-phenylether	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
4-Chloro-3-Methylphenol	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
4-Chloroaniline	ND (0.804)		8270D		1	10/03/19 16:34	C9J0054	CI93019
4-Chloro-phenyl-phenyl ether	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
4-Nitroaniline	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
4-Nitrophenol	ND (2.01)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Acenaphthene	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Acenaphthylene	**0.536** (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Acetophenone	ND (0.804)		8270D		1	10/03/19 16:34	C9J0054	CI93019

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-04
Date Sampled: 09/27/19 14:30
Percent Solids: 89
Initial Volume: 14
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/30/19 12:12

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.804)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Anthracene	**0.698** (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Azobenzene	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Benzo(a)anthracene	**1.59** (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Benzo(a)pyrene	**1.20** (0.201)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Benzo(b)fluoranthene	**0.952** (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Benzo(g,h,i)perylene	**0.767** (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Benzo(k)fluoranthene	**1.20** (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Benzoic Acid	ND (2.01)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Benzyl Alcohol	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
bis(2-Chloroethoxy)methane	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
bis(2-Chloroethyl)ether	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
bis(2-chloroisopropyl)Ether	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
bis(2-Ethylhexyl)phthalate	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Butylbenzylphthalate	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Carbazole	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Chrysene	**1.46** (0.201)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Dibenzo(a,h)Anthracene	**0.300** (0.201)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Dibenzofuran	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Diethylphthalate	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Dimethylphthalate	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Di-n-butylphthalate	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Di-n-octylphthalate	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Fluoranthene	**3.08** (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Fluorene	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Hexachlorobenzene	ND (0.201)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Hexachlorobutadiene	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Hexachlorocyclopentadiene	ND (2.01)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Hexachloroethane	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Indeno(1,2,3-cd)Pyrene	**0.699** (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Isophorone	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Naphthalene	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-04
Date Sampled: 09/27/19 14:30
Percent Solids: 89
Initial Volume: 14
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/30/19 12:12

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
N-Nitrosodimethylamine	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
N-Nitroso-Di-n-Propylamine	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
N-nitrosodiphenylamine	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Pentachlorophenol	ND (2.01)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Phenanthrene	**1.67** (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Phenol	ND (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Pyrene	**2.89** (0.402)		8270D		1	10/03/19 16:34	C9J0054	CI93019
Pyridine	ND (2.01)		8270D		1	10/03/19 16:34	C9J0054	CI93019

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*68 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*57 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*70 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*76 %*		*30-130*
Surrogate: 2-Fluorophenol	*57 %*		*30-130*
Surrogate: Nitrobenzene-d5	*74 %*		*30-130*
Surrogate: Phenol-d6	*72 %*		*30-130*
Surrogate: p-Terphenyl-d14	*85 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-04
Date Sampled: 09/27/19 14:30
Percent Solids: 89

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-04
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**1.30** (1.03)		9014		1	EEM	09/30/19 11:25	mg/kg dry	CI93024

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-04
Date Sampled: 09/27/19 14:30
Percent Solids: 89
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-04
Sample Matrix: Soil

Analyst: SUB
Prepared: 10/3/19 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**835** (100)		6010		1	SUB	10/03/19 0:00	mg/kg	CJ90361

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-05
Date Sampled: 09/27/19 14:45
Percent Solids: 89

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-05
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.24** (1.99)		6010C		1	KJK	10/04/19 1:17	2.83	100	CJ90146
Barium	**24.9** (1.99)		6010C		1	KJK	10/03/19 2:32	2.83	100	CJ90146
Cadmium	ND (0.40)		6010C		1	KJK	10/03/19 2:32	2.83	100	CJ90146
Chromium	**7.33** (0.80)		6010C		1	KJK	10/03/19 2:32	2.83	100	CJ90146
Lead	**34.3** (3.98)		6010C		1	KJK	10/04/19 1:17	2.83	100	CJ90146
Mercury	**0.047** (0.029)		7471B		1	MKS	10/02/19 10:13	0.76	40	CJ90147
Selenium	ND (3.98)		6010C		1	KJK	10/03/19 2:32	2.83	100	CJ90146
Silver	ND (0.40)		6010C		1	KJK	10/03/19 2:32	2.83	100	CJ90146

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-05
Date Sampled: 09/27/19 14:45
Percent Solids: 89
Initial Volume: 17.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1,1,1-Trichloroethane	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1,1,2,2-Tetrachloroethane	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1,1,2-Trichloroethane	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1,1-Dichloroethane	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1,1-Dichloroethene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1,1-Dichloropropene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1,2,3-Trichlorobenzene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1,2,3-Trichloropropane	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1,2,4-Trichlorobenzene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1,2,4-Trimethylbenzene	**0.0034** (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1,2-Dibromo-3-Chloropropane	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1,2-Dibromoethane	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1,2-Dichlorobenzene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1,2-Dichloroethane	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1,2-Dichloropropane	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1,3,5-Trimethylbenzene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1,3-Dichlorobenzene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1,3-Dichloropropane	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1,4-Dichlorobenzene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1,4-Dioxane	ND (0.0320)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
1-Chlorohexane	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
2,2-Dichloropropane	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
2-Butanone	ND (0.0160)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
2-Chlorotoluene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
2-Hexanone	ND (0.0160)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
4-Chlorotoluene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
4-Isopropyltoluene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
4-Methyl-2-Pentanone	ND (0.0160)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Acetone	ND (0.0160)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Benzene	**0.0028** (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Bromobenzene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-05
Date Sampled: 09/27/19 14:45
Percent Solids: 89
Initial Volume: 17.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Bromodichloromethane	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Bromoform	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Bromomethane	ND (0.0032)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Carbon Disulfide	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Carbon Tetrachloride	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Chlorobenzene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Chloroethane	ND (0.0032)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Chloroform	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Chloromethane	ND (0.0032)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
cis-1,2-Dichloroethene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
cis-1,3-Dichloropropene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Dibromochloromethane	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Dibromomethane	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Dichlorodifluoromethane	ND (0.0032)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Diethyl Ether	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Di-isopropyl ether	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Ethyl tertiary-butyl ether	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Ethylbenzene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Hexachlorobutadiene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Isopropylbenzene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Methyl tert-Butyl Ether	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Methylene Chloride	ND (0.0080)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Naphthalene	**0.0413** (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
n-Butylbenzene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
n-Propylbenzene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
sec-Butylbenzene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Styrene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
tert-Butylbenzene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Tertiary-amyl methyl ether	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Tetrachloroethene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Tetrahydrofuran	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-05
Date Sampled: 09/27/19 14:45
Percent Solids: 89
Initial Volume: 17.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
trans-1,2-Dichloroethene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
trans-1,3-Dichloropropene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Trichloroethene	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Trichlorofluoromethane	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Vinyl Acetate	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Vinyl Chloride	ND (0.0032)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Xylene O	ND (0.0016)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Xylene P,M	ND (0.0032)		8260B Low		1	10/02/19 21:53	C9J0044	CJ90227
Xylenes (Total)	ND (0.00320)		8260B Low		1	10/02/19 21:53		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*101 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*91 %*		*70-130*
Surrogate: Dibromofluoromethane	*90 %*		*70-130*
Surrogate: Toluene-d8	*99 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-05
Date Sampled: 09/27/19 14:45
Percent Solids: 89
Initial Volume: 19
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 9/30/19 12:17

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**225** (44.5)		8100M		1	10/01/19 12:36	C9I0519	CI93020

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*98 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-05
Date Sampled: 09/27/19 14:45
Percent Solids: 89
Initial Volume: 15.2
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/30/19 12:12

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
1,2,4-Trichlorobenzene	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
1,2-Dichlorobenzene	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
1,3-Dichlorobenzene	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
1,4-Dichlorobenzene	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
2,3,4,6-Tetrachlorophenol	ND (1.86)		8270D		1	10/02/19 22:29	C9J0042	CI93019
2,4,5-Trichlorophenol	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
2,4,6-Trichlorophenol	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
2,4-Dichlorophenol	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
2,4-Dimethylphenol	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
2,4-Dinitrophenol	ND (1.86)		8270D		1	10/02/19 22:29	C9J0042	CI93019
2,4-Dinitrotoluene	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
2,6-Dinitrotoluene	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
2-Chloronaphthalene	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
2-Chlorophenol	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
2-Methylnaphthalene	**0.450** (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
2-Methylphenol	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
2-Nitroaniline	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
2-Nitrophenol	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
3,3´-Dichlorobenzidine	ND (0.742)		8270D		1	10/02/19 22:29	C9J0042	CI93019
3+4-Methylphenol	ND (0.742)		8270D		1	10/02/19 22:29	C9J0042	CI93019
3-Nitroaniline	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
4,6-Dinitro-2-Methylphenol	ND (1.86)		8270D		1	10/02/19 22:29	C9J0042	CI93019
4-Bromophenyl-phenylether	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
4-Chloro-3-Methylphenol	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
4-Chloroaniline	ND (0.742)		8270D		1	10/02/19 22:29	C9J0042	CI93019
4-Chloro-phenyl-phenyl ether	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
4-Nitroaniline	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
4-Nitrophenol	ND (1.86)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Acenaphthene	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Acenaphthylene	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Acetophenone	ND (0.742)		8270D		1	10/02/19 22:29	C9J0042	CI93019

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-05
Date Sampled: 09/27/19 14:45
Percent Solids: 89
Initial Volume: 15.2
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/30/19 12:12

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.742)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Anthracene	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Azobenzene	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Benzo(a)anthracene	**0.712** (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Benzo(a)pyrene	**0.643** (0.186)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Benzo(b)fluoranthene	**0.586** (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Benzo(g,h,i)perylene	**0.381** (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Benzo(k)fluoranthene	**0.517** (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Benzoic Acid	ND (1.86)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Benzyl Alcohol	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
bis(2-Chloroethoxy)methane	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
bis(2-Chloroethyl)ether	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
bis(2-chloroisopropyl)Ether	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
bis(2-Ethylhexyl)phthalate	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Butylbenzylphthalate	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Carbazole	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Chrysene	**0.654** (0.186)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Dibenzo(a,h)Anthracene	ND (0.186)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Dibenzofuran	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Diethylphthalate	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Dimethylphthalate	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Di-n-butylphthalate	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Di-n-octylphthalate	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Fluoranthene	**0.957** (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Fluorene	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Hexachlorobenzene	ND (0.186)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Hexachlorobutadiene	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Hexachlorocyclopentadiene	ND (1.86)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Hexachloroethane	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Indeno(1,2,3-cd)Pyrene	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Isophorone	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Naphthalene	**0.480** (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-05
Date Sampled: 09/27/19 14:45
Percent Solids: 89
Initial Volume: 15.2
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/30/19 12:12

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
N-Nitrosodimethylamine	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
N-Nitroso-Di-n-Propylamine	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
N-nitrosodiphenylamine	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Pentachlorophenol	ND (1.86)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Phenanthrene	**1.16** (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Phenol	ND (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Pyrene	**1.50** (0.370)		8270D		1	10/02/19 22:29	C9J0042	CI93019
Pyridine	ND (1.86)		8270D		1	10/02/19 22:29	C9J0042	CI93019

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*62 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*62 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*61 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*67 %*		*30-130*
Surrogate: 2-Fluorophenol	*51 %*		*30-130*
Surrogate: Nitrobenzene-d5	*58 %*		*30-130*
Surrogate: Phenol-d6	*64 %*		*30-130*
Surrogate: p-Terphenyl-d14	*100 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-05
Date Sampled: 09/27/19 14:45
Percent Solids: 89

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-05
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**1.89** (1.03)		9014		1	EEM	09/30/19 11:25	mg/kg dry	CI93024

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-05
Date Sampled: 09/27/19 14:45
Percent Solids: 89
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-05
Sample Matrix: Soil

Analyst: SUB
Prepared: 10/3/19 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**787** (100)		6010		1	SUB	10/03/19 0:00	mg/kg	CJ90361

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-06
Date Sampled: 09/27/19 15:00
Percent Solids: 92

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-06
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.02** (2.04)		6010C		1	KJK	10/04/19 1:21	2.67	100	CJ90146
Barium	**17.8** (2.04)		6010C		1	KJK	10/03/19 2:36	2.67	100	CJ90146
Cadmium	ND (0.41)		6010C		1	KJK	10/03/19 2:36	2.67	100	CJ90146
Chromium	**7.30** (0.82)		6010C		1	KJK	10/03/19 2:36	2.67	100	CJ90146
Lead	**16.0** (4.09)		6010C		1	KJK	10/04/19 1:21	2.67	100	CJ90146
Mercury	ND (0.023)		7471B		1	MKS	10/02/19 10:15	0.95	40	CJ90147
Selenium	ND (4.09)		6010C		1	KJK	10/03/19 2:36	2.67	100	CJ90146
Silver	ND (0.41)		6010C		1	KJK	10/03/19 2:36	2.67	100	CJ90146

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-06
Date Sampled: 09/27/19 15:00
Percent Solids: 92
Initial Volume: 10.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1,1,1-Trichloroethane	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1,1,2,2-Tetrachloroethane	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1,1,2-Trichloroethane	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1,1-Dichloroethane	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1,1-Dichloroethene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1,1-Dichloropropene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1,2,3-Trichlorobenzene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1,2,3-Trichloropropane	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1,2,4-Trichlorobenzene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1,2,4-Trimethylbenzene	**0.0030** (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1,2-Dibromo-3-Chloropropane	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1,2-Dibromoethane	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1,2-Dichlorobenzene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1,2-Dichloroethane	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1,2-Dichloropropane	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1,3,5-Trimethylbenzene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1,3-Dichlorobenzene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1,3-Dichloropropane	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1,4-Dichlorobenzene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1,4-Dioxane	ND (0.0535)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
1-Chlorohexane	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
2,2-Dichloropropane	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
2-Butanone	ND (0.0267)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
2-Chlorotoluene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
2-Hexanone	ND (0.0267)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
4-Chlorotoluene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
4-Isopropyltoluene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
4-Methyl-2-Pentanone	ND (0.0267)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Acetone	ND (0.0267)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Benzene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Bromobenzene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-06
Date Sampled: 09/27/19 15:00
Percent Solids: 92
Initial Volume: 10.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Bromodichloromethane	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Bromoform	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Bromomethane	ND (0.0053)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Carbon Disulfide	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Carbon Tetrachloride	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Chlorobenzene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Chloroethane	ND (0.0053)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Chloroform	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Chloromethane	ND (0.0053)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
cis-1,2-Dichloroethene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
cis-1,3-Dichloropropene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Dibromochloromethane	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Dibromomethane	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Dichlorodifluoromethane	ND (0.0053)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Diethyl Ether	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Di-isopropyl ether	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Ethyl tertiary-butyl ether	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Ethylbenzene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Hexachlorobutadiene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Isopropylbenzene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Methyl tert-Butyl Ether	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Methylene Chloride	ND (0.0134)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Naphthalene	**0.0204** (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
n-Butylbenzene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
n-Propylbenzene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
sec-Butylbenzene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Styrene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
tert-Butylbenzene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Tertiary-amyl methyl ether	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Tetrachloroethene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Tetrahydrofuran	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-06
Date Sampled: 09/27/19 15:00
Percent Solids: 92
Initial Volume: 10.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
trans-1,2-Dichloroethene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
trans-1,3-Dichloropropene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Trichloroethene	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Trichlorofluoromethane	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Vinyl Acetate	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Vinyl Chloride	ND (0.0053)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Xylene O	ND (0.0027)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Xylene P,M	ND (0.0053)		8260B Low		1	10/02/19 22:18	C9J0044	CJ90227
Xylenes (Total)	ND (0.00535)		8260B Low		1	10/02/19 22:18		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*98 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*93 %*		*70-130*
Surrogate: Dibromofluoromethane	*88 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-06
Date Sampled: 09/27/19 15:00
Percent Solids: 92
Initial Volume: 19
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 9/30/19 12:17

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**144** (43.1)		8100M		1	10/01/19 13:08	C9I0519	CI93020

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*95 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-06
Date Sampled: 09/27/19 15:00
Percent Solids: 92
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/30/19 12:12

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
1,2,4-Trichlorobenzene	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
1,2-Dichlorobenzene	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
1,3-Dichlorobenzene	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
1,4-Dichlorobenzene	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
2,3,4,6-Tetrachlorophenol	ND (1.87)		8270D		1	10/02/19 22:58	C9J0042	CI93019
2,4,5-Trichlorophenol	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
2,4,6-Trichlorophenol	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
2,4-Dichlorophenol	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
2,4-Dimethylphenol	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
2,4-Dinitrophenol	ND (1.87)		8270D		1	10/02/19 22:58	C9J0042	CI93019
2,4-Dinitrotoluene	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
2,6-Dinitrotoluene	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
2-Chloronaphthalene	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
2-Chlorophenol	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
2-Methylnaphthalene	**0.396** (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
2-Methylphenol	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
2-Nitroaniline	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
2-Nitrophenol	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
3,3´-Dichlorobenzidine	ND (0.748)		8270D		1	10/02/19 22:58	C9J0042	CI93019
3+4-Methylphenol	ND (0.748)		8270D		1	10/02/19 22:58	C9J0042	CI93019
3-Nitroaniline	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
4,6-Dinitro-2-Methylphenol	ND (1.87)		8270D		1	10/02/19 22:58	C9J0042	CI93019
4-Bromophenyl-phenylether	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
4-Chloro-3-Methylphenol	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
4-Chloroaniline	ND (0.748)		8270D		1	10/02/19 22:58	C9J0042	CI93019
4-Chloro-phenyl-phenyl ether	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
4-Nitroaniline	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
4-Nitrophenol	ND (1.87)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Acenaphthene	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Acenaphthylene	**0.513** (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Acetophenone	ND (0.748)		8270D		1	10/02/19 22:58	C9J0042	CI93019

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-06
Date Sampled: 09/27/19 15:00
Percent Solids: 92
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/30/19 12:12

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.748)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Anthracene	**1.10** (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Azobenzene	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Benzo(a)anthracene	**2.59** (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Benzo(a)pyrene	**1.86** (0.187)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Benzo(b)fluoranthene	**1.89** (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Benzo(g,h,i)perylene	**0.982** (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Benzo(k)fluoranthene	**1.43** (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Benzoic Acid	ND (1.87)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Benzyl Alcohol	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
bis(2-Chloroethoxy)methane	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
bis(2-Chloroethyl)ether	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
bis(2-chloroisopropyl)Ether	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
bis(2-Ethylhexyl)phthalate	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Butylbenzylphthalate	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Carbazole	**0.452** (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Chrysene	**2.25** (0.187)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Dibenzo(a,h)Anthracene	**0.359** (0.187)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Dibenzofuran	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Diethylphthalate	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Dimethylphthalate	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Di-n-butylphthalate	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Di-n-octylphthalate	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Fluoranthene	**4.56** (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Fluorene	**0.446** (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Hexachlorobenzene	ND (0.187)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Hexachlorobutadiene	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Hexachlorocyclopentadiene	ND (1.87)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Hexachloroethane	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Indeno(1,2,3-cd)Pyrene	**0.918** (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Isophorone	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Naphthalene	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-06
Date Sampled: 09/27/19 15:00
Percent Solids: 92
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/30/19 12:12

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
N-Nitrosodimethylamine	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
N-Nitroso-Di-n-Propylamine	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
N-nitrosodiphenylamine	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Pentachlorophenol	ND (1.87)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Phenanthrene	**4.90** (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Phenol	ND (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Pyrene	**5.83** (0.373)		8270D		1	10/02/19 22:58	C9J0042	CI93019
Pyridine	ND (1.87)		8270D		1	10/02/19 22:58	C9J0042	CI93019

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*62 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*77 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*66 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*66 %*		*30-130*
Surrogate: 2-Fluorophenol	*59 %*		*30-130*
Surrogate: Nitrobenzene-d5	*61 %*		*30-130*
Surrogate: Phenol-d6	*67 %*		*30-130*
Surrogate: p-Terphenyl-d14	*93 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-06
Date Sampled: 09/27/19 15:00
Percent Solids: 92

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-06
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	ND (1.06)		9014		1	EEM	09/30/19 11:25	mg/kg dry	CI93024

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SS-06
Date Sampled: 09/27/19 15:00
Percent Solids: 92
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 19I0930
ESS Laboratory Sample ID: 19I0930-06
Sample Matrix: Soil

Analyst: SUB
Prepared: 10/3/19 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**460** (100)		6010		1	SUB	10/03/19 0:00	mg/kg	CJ90361

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch CJ90146 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
Barium	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
LCS										
Arsenic	139	7.35	mg/kg wet	128.0		109	80-120			
Barium	498	7.35	mg/kg wet	536.0		93	80-120			
Cadmium	86.3	1.47	mg/kg wet	99.00		87	80-120			
Chromium	109	2.94	mg/kg wet	116.0		94	80-120			
Lead	299	14.7	mg/kg wet	277.0		108	80-120			
Selenium	286	14.7	mg/kg wet	242.0		118	80-120			
Silver	59.2	1.47	mg/kg wet	64.30		92	80-120			
LCS Dup										
Arsenic	148	7.04	mg/kg wet	128.0		116	80-120	6	20	
Barium	593	7.04	mg/kg wet	536.0		111	80-120	17	20	
Cadmium	93.0	1.41	mg/kg wet	99.00		94	80-120	8	20	
Chromium	117	2.82	mg/kg wet	116.0		101	80-120	7	20	
Lead	316	14.1	mg/kg wet	277.0		114	80-120	6	20	
Selenium	299	14.1	mg/kg wet	242.0		124	80-120	4	20	B+
Silver	63.4	1.41	mg/kg wet	64.30		99	80-120	7	20	
Batch CJ90147 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	2.79	0.275	mg/kg wet	3.120		89	80-120			
LCS Dup										
Mercury	2.63	0.283	mg/kg wet	3.120		84	80-120	6	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ90156 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ90156 - 5035										
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ90156 - 5035										
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0543*		mg/kg wet	*0.05000*		*109*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0487*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0515*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.0485*		mg/kg wet	*0.05000*		*97*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0521	0.0050	mg/kg wet	0.05000		104	70-130			
1,1,1-Trichloroethane	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
1,1,2,2-Tetrachloroethane	0.0472	0.0050	mg/kg wet	0.05000		94	70-130			
1,1,2-Trichloroethane	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
1,1-Dichloroethane	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
1,1-Dichloroethene	0.0566	0.0050	mg/kg wet	0.05000		113	70-130			
1,1-Dichloropropene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
1,2,3-Trichlorobenzene	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
1,2,3-Trichloropropane	0.0466	0.0050	mg/kg wet	0.05000		93	70-130			
1,2,4-Trichlorobenzene	0.0521	0.0050	mg/kg wet	0.05000		104	70-130			
1,2,4-Trimethylbenzene	0.0540	0.0050	mg/kg wet	0.05000		108	70-130			
1,2-Dibromo-3-Chloropropane	0.0464	0.0050	mg/kg wet	0.05000		93	70-130			
1,2-Dibromoethane	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
1,2-Dichlorobenzene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
1,2-Dichloroethane	0.0521	0.0050	mg/kg wet	0.05000		104	70-130			
1,2-Dichloropropane	0.0528	0.0050	mg/kg wet	0.05000		106	70-130			
1,3,5-Trimethylbenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130			
1,3-Dichlorobenzene	0.0510	0.0050	mg/kg wet	0.05000		102	70-130			
1,3-Dichloropropane	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
1,4-Dichlorobenzene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ90156 - 5035										
1,4-Dioxane	1.00	0.100	mg/kg wet	1.000		100	70-130			
1-Chlorohexane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
2,2-Dichloropropane	0.0548	0.0050	mg/kg wet	0.05000		110	70-130			
2-Butanone	0.270	0.0500	mg/kg wet	0.2500		108	70-130			
2-Chlorotoluene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
2-Hexanone	0.242	0.0500	mg/kg wet	0.2500		97	70-130			
4-Chlorotoluene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
4-Isopropyltoluene	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
4-Methyl-2-Pentanone	0.252	0.0500	mg/kg wet	0.2500		101	70-130			
Acetone	0.311	0.0500	mg/kg wet	0.2500		124	70-130			
Benzene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
Bromobenzene	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
Bromochloromethane	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
Bromodichloromethane	0.0553	0.0050	mg/kg wet	0.05000		111	70-130			
Bromoform	0.0452	0.0050	mg/kg wet	0.05000		90	70-130			
Bromomethane	0.0452	0.0100	mg/kg wet	0.05000		90	70-130			
Carbon Disulfide	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
Carbon Tetrachloride	0.0568	0.0050	mg/kg wet	0.05000		114	70-130			
Chlorobenzene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
Chloroethane	0.0466	0.0100	mg/kg wet	0.05000		93	70-130			
Chloroform	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
Chloromethane	0.0481	0.0100	mg/kg wet	0.05000		96	70-130			
cis-1,2-Dichloroethene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130			
cis-1,3-Dichloropropene	0.0552	0.0050	mg/kg wet	0.05000		110	70-130			
Dibromochloromethane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
Dibromomethane	0.0531	0.0050	mg/kg wet	0.05000		106	70-130			
Dichlorodifluoromethane	0.0414	0.0100	mg/kg wet	0.05000		83	70-130			
Diethyl Ether	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
Di-isopropyl ether	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
Ethyl tertiary-butyl ether	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
Ethylbenzene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
Hexachlorobutadiene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			
Isopropylbenzene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
Methyl tert-Butyl Ether	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
Methylene Chloride	0.0522	0.0250	mg/kg wet	0.05000		104	70-130			
Naphthalene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130			
n-Butylbenzene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130			
n-Propylbenzene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
sec-Butylbenzene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
Styrene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130			
tert-Butylbenzene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			
Tertiary-amyl methyl ether	0.0504	0.0050	mg/kg wet	0.05000		101	70-130			
Tetrachloroethene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
Tetrahydrofuran	0.0444	0.0050	mg/kg wet	0.05000		89	70-130			
Toluene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ90156 - 5035										
trans-1,2-Dichloroethene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130			
trans-1,3-Dichloropropene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
Trichloroethene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130			
Trichlorofluoromethane	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			
Vinyl Acetate	0.0556	0.0050	mg/kg wet	0.05000		111	70-130			
Vinyl Chloride	0.0500	0.0100	mg/kg wet	0.05000		100	70-130			
Xylene O	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
Xylene P,M	0.0989	0.0100	mg/kg wet	0.1000		99	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0520*		mg/kg wet	*0.05000*		*104*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0495*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0517*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.0481*		mg/kg wet	*0.05000*		*96*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	1	25	
1,1,1-Trichloroethane	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	0.4	25	
1,1,2,2-Tetrachloroethane	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	2	25	
1,1,2-Trichloroethane	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	1	25	
1,1-Dichloroethane	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	0.07	25	
1,1-Dichloroethene	0.0567	0.0050	mg/kg wet	0.05000		113	70-130	0.2	25	
1,1-Dichloropropene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	0.6	25	
1,2,3-Trichlorobenzene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	1	25	
1,2,3-Trichloropropane	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	4	25	
1,2,4-Trichlorobenzene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	0.3	25	
1,2,4-Trimethylbenzene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	2	25	
1,2-Dibromo-3-Chloropropane	0.0486	0.0050	mg/kg wet	0.05000		97	70-130	5	25	
1,2-Dibromoethane	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	1	25	
1,2-Dichlorobenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	3	25	
1,2-Dichloroethane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	0.7	25	
1,2-Dichloropropane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	0.5	25	
1,3,5-Trimethylbenzene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	2	25	
1,3-Dichlorobenzene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	2	25	
1,3-Dichloropropane	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	1	25	
1,4-Dichlorobenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	1	25	
1,4-Dioxane	0.976	0.100	mg/kg wet	1.000		98	70-130	3	20	
1-Chlorohexane	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	3	25	
2,2-Dichloropropane	0.0550	0.0050	mg/kg wet	0.05000		110	70-130	0.3	25	
2-Butanone	0.255	0.0500	mg/kg wet	0.2500		102	70-130	5	25	
2-Chlorotoluene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	2	25	
2-Hexanone	0.242	0.0500	mg/kg wet	0.2500		97	70-130	0.2	25	
4-Chlorotoluene	0.0529	0.0050	mg/kg wet	0.05000		106	70-130	2	25	
4-Isopropyltoluene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	2	25	
4-Methyl-2-Pentanone	0.255	0.0500	mg/kg wet	0.2500		102	70-130	1	25	
Acetone	0.249	0.0500	mg/kg wet	0.2500		99	70-130	22	25	
Benzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	0.4	25	
Bromobenzene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	2	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ90156 - 5035										
Bromochloromethane	0.0520	0.0050	mg/kg wet	0.05000		104	70-130	0.9	25	
Bromodichloromethane	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	1	25	
Bromoform	0.0463	0.0050	mg/kg wet	0.05000		93	70-130	2	25	
Bromomethane	0.0452	0.0100	mg/kg wet	0.05000		90	70-130	0.09	25	
Carbon Disulfide	0.0511	0.0050	mg/kg wet	0.05000		102	70-130	0.2	25	
Carbon Tetrachloride	0.0567	0.0050	mg/kg wet	0.05000		113	70-130	0.1	25	
Chlorobenzene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130	1	25	
Chloroethane	0.0465	0.0100	mg/kg wet	0.05000		93	70-130	0.3	25	
Chloroform	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	0.07	25	
Chloromethane	0.0472	0.0100	mg/kg wet	0.05000		94	70-130	2	25	
cis-1,2-Dichloroethene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	1	25	
cis-1,3-Dichloropropene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	0.2	25	
Dibromochloromethane	0.0478	0.0050	mg/kg wet	0.05000		96	70-130	1	25	
Dibromomethane	0.0529	0.0050	mg/kg wet	0.05000		106	70-130	0.5	25	
Dichlorodifluoromethane	0.0408	0.0100	mg/kg wet	0.05000		82	70-130	1	25	
Diethyl Ether	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	0.4	25	
Di-isopropyl ether	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	2	25	
Ethyl tertiary-butyl ether	0.0479	0.0050	mg/kg wet	0.05000		96	70-130	0.2	25	
Ethylbenzene	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	1	25	
Hexachlorobutadiene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130	0.9	25	
Isopropylbenzene	0.0528	0.0050	mg/kg wet	0.05000		106	70-130	2	25	
Methyl tert-Butyl Ether	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	0.4	25	
Methylene Chloride	0.0519	0.0250	mg/kg wet	0.05000		104	70-130	0.4	25	
Naphthalene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	3	25	
n-Butylbenzene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	2	25	
n-Propylbenzene	0.0529	0.0050	mg/kg wet	0.05000		106	70-130	2	25	
sec-Butylbenzene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
Styrene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	0.7	25	
tert-Butylbenzene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	3	25	
Tertiary-amyl methyl ether	0.0500	0.0050	mg/kg wet	0.05000		100	70-130	0.7	25	
Tetrachloroethene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	0.3	25	
Tetrahydrofuran	0.0448	0.0050	mg/kg wet	0.05000		90	70-130	0.9	25	
Toluene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	0.7	25	
trans-1,2-Dichloroethene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	0.04	25	
trans-1,3-Dichloropropene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	0.8	25	
Trichloroethene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	1	25	
Trichlorofluoromethane	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	0.5	25	
Vinyl Acetate	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	1	25	
Vinyl Chloride	0.0501	0.0100	mg/kg wet	0.05000		100	70-130	0.2	25	
Xylene O	0.0503	0.0050	mg/kg wet	0.05000		101	70-130	0.5	25	
Xylene P,M	0.100	0.0100	mg/kg wet	0.1000		100	70-130	1	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0506*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0493*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0508*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.0489*		mg/kg wet	*0.05000*		*98*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ90227 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ90227 - 5035										
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0519*		mg/kg wet	*0.05000*		*104*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0486*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0497*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Toluene-d8	*0.0490*		mg/kg wet	*0.05000*		*98*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
1,1,1-Trichloroethane	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
1,1,2,2-Tetrachloroethane	0.0454	0.0050	mg/kg wet	0.05000		91	70-130			
1,1,2-Trichloroethane	0.0488	0.0050	mg/kg wet	0.05000		98	70-130			
1,1-Dichloroethane	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
1,1-Dichloroethene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130			
1,1-Dichloropropene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
1,2,3-Trichlorobenzene	0.0471	0.0050	mg/kg wet	0.05000		94	70-130			
1,2,3-Trichloropropane	0.0453	0.0050	mg/kg wet	0.05000		91	70-130			
1,2,4-Trichlorobenzene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
1,2,4-Trimethylbenzene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ90227 - 5035										
1,2-Dibromo-3-Chloropropane	0.0436	0.0050	mg/kg wet	0.05000		87	70-130			
1,2-Dibromoethane	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
1,2-Dichlorobenzene	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			
1,2-Dichloroethane	0.0475	0.0050	mg/kg wet	0.05000		95	70-130			
1,2-Dichloropropane	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
1,3,5-Trimethylbenzene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130			
1,3-Dichlorobenzene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
1,3-Dichloropropane	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
1,4-Dichlorobenzene	0.0466	0.0050	mg/kg wet	0.05000		93	70-130			
1,4-Dioxane	0.975	0.100	mg/kg wet	1.000		98	70-130			
1-Chlorohexane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
2,2-Dichloropropane	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
2-Butanone	0.239	0.0500	mg/kg wet	0.2500		96	70-130			
2-Chlorotoluene	0.0488	0.0050	mg/kg wet	0.05000		98	70-130			
2-Hexanone	0.238	0.0500	mg/kg wet	0.2500		95	70-130			
4-Chlorotoluene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
4-Isopropyltoluene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
4-Methyl-2-Pentanone	0.238	0.0500	mg/kg wet	0.2500		95	70-130			
Acetone	0.235	0.0500	mg/kg wet	0.2500		94	70-130			
Benzene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
Bromobenzene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
Bromochloromethane	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
Bromodichloromethane	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
Bromoform	0.0445	0.0050	mg/kg wet	0.05000		89	70-130			
Bromomethane	0.0413	0.0100	mg/kg wet	0.05000		83	70-130			
Carbon Disulfide	0.0475	0.0050	mg/kg wet	0.05000		95	70-130			
Carbon Tetrachloride	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
Chlorobenzene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
Chloroethane	0.0444	0.0100	mg/kg wet	0.05000		89	70-130			
Chloroform	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
Chloromethane	0.0438	0.0100	mg/kg wet	0.05000		88	70-130			
cis-1,2-Dichloroethene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
cis-1,3-Dichloropropene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
Dibromochloromethane	0.0456	0.0050	mg/kg wet	0.05000		91	70-130			
Dibromomethane	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
Dichlorodifluoromethane	0.0363	0.0100	mg/kg wet	0.05000		73	70-130			
Diethyl Ether	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
Di-isopropyl ether	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
Ethyl tertiary-butyl ether	0.0449	0.0050	mg/kg wet	0.05000		90	70-130			
Ethylbenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
Hexachlorobutadiene	0.0467	0.0050	mg/kg wet	0.05000		93	70-130			
Isopropylbenzene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130			
Methyl tert-Butyl Ether	0.0440	0.0050	mg/kg wet	0.05000		88	70-130			
Methylene Chloride	0.0456	0.0250	mg/kg wet	0.05000		91	70-130			
Naphthalene	0.0472	0.0050	mg/kg wet	0.05000		94	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ90227 - 5035										
n-Butylbenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
n-Propylbenzene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
sec-Butylbenzene	0.0488	0.0050	mg/kg wet	0.05000		98	70-130			
Styrene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			
tert-Butylbenzene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
Tertiary-amyl methyl ether	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
Tetrachloroethene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
Tetrahydrofuran	0.0432	0.0050	mg/kg wet	0.05000		86	70-130			
Toluene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
trans-1,2-Dichloroethene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130			
trans-1,3-Dichloropropene	0.0456	0.0050	mg/kg wet	0.05000		91	70-130			
Trichloroethene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
Trichlorofluoromethane	0.0479	0.0050	mg/kg wet	0.05000		96	70-130			
Vinyl Acetate	0.0530	0.0050	mg/kg wet	0.05000		106	70-130			
Vinyl Chloride	0.0460	0.0100	mg/kg wet	0.05000		92	70-130			
Xylene O	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
Xylene P,M	0.0985	0.0100	mg/kg wet	0.1000		98	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0496*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0500*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0503*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0501*		mg/kg wet	*0.05000*		*100*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	6	25	
1,1,1-Trichloroethane	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	9	25	
1,1,2,2-Tetrachloroethane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	13	25	
1,1,2-Trichloroethane	0.0529	0.0050	mg/kg wet	0.05000		106	70-130	8	25	
1,1-Dichloroethane	0.0552	0.0050	mg/kg wet	0.05000		110	70-130	9	25	
1,1-Dichloroethene	0.0587	0.0050	mg/kg wet	0.05000		117	70-130	8	25	
1,1-Dichloropropene	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	9	25	
1,2,3-Trichlorobenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	11	25	
1,2,3-Trichloropropane	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	14	25	
1,2,4-Trichlorobenzene	0.0528	0.0050	mg/kg wet	0.05000		106	70-130	11	25	
1,2,4-Trimethylbenzene	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	9	25	
1,2-Dibromo-3-Chloropropane	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	19	25	
1,2-Dibromoethane	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	9	25	
1,2-Dichlorobenzene	0.0521	0.0050	mg/kg wet	0.05000		104	70-130	9	25	
1,2-Dichloroethane	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	10	25	
1,2-Dichloropropane	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	8	25	
1,3,5-Trimethylbenzene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130	8	25	
1,3-Dichlorobenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	5	25	
1,3-Dichloropropane	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	7	25	
1,4-Dichlorobenzene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130	11	25	
1,4-Dioxane	1.10	0.100	mg/kg wet	1.000		110	70-130	12	20	
1-Chlorohexane	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	6	25	
2,2-Dichloropropane	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	8	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ90227 - 5035										
2-Butanone	0.276	0.0500	mg/kg wet	0.2500		110	70-130	14	25	
2-Chlorotoluene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	10	25	
2-Hexanone	0.271	0.0500	mg/kg wet	0.2500		108	70-130	13	25	
4-Chlorotoluene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	8	25	
4-Isopropyltoluene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	8	25	
4-Methyl-2-Pentanone	0.277	0.0500	mg/kg wet	0.2500		111	70-130	15	25	
Acetone	0.273	0.0500	mg/kg wet	0.2500		109	70-130	15	25	
Benzene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	8	25	
Bromobenzene	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	9	25	
Bromochloromethane	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	8	25	
Bromodichloromethane	0.0550	0.0050	mg/kg wet	0.05000		110	70-130	8	25	
Bromoform	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	9	25	
Bromomethane	0.0441	0.0100	mg/kg wet	0.05000		88	70-130	7	25	
Carbon Disulfide	0.0521	0.0050	mg/kg wet	0.05000		104	70-130	9	25	
Carbon Tetrachloride	0.0568	0.0050	mg/kg wet	0.05000		114	70-130	9	25	
Chlorobenzene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	4	25	
Chloroethane	0.0478	0.0100	mg/kg wet	0.05000		96	70-130	7	25	
Chloroform	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	7	25	
Chloromethane	0.0473	0.0100	mg/kg wet	0.05000		95	70-130	8	25	
cis-1,2-Dichloroethene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	9	25	
cis-1,3-Dichloropropene	0.0558	0.0050	mg/kg wet	0.05000		112	70-130	8	25	
Dibromochloromethane	0.0489	0.0050	mg/kg wet	0.05000		98	70-130	7	25	
Dibromomethane	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	10	25	
Dichlorodifluoromethane	0.0404	0.0100	mg/kg wet	0.05000		81	70-130	11	25	
Diethyl Ether	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	12	25	
Di-isopropyl ether	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	10	25	
Ethyl tertiary-butyl ether	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	10	25	
Ethylbenzene	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	4	25	
Hexachlorobutadiene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	10	25	
Isopropylbenzene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	8	25	
Methyl tert-Butyl Ether	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	12	25	
Methylene Chloride	0.0495	0.0250	mg/kg wet	0.05000		99	70-130	8	25	
Naphthalene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	14	25	
n-Butylbenzene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	9	25	
n-Propylbenzene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	8	25	
sec-Butylbenzene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	7	25	
Styrene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
tert-Butylbenzene	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	7	25	
Tertiary-amyl methyl ether	0.0521	0.0050	mg/kg wet	0.05000		104	70-130	10	25	
Tetrachloroethene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	5	25	
Tetrahydrofuran	0.0521	0.0050	mg/kg wet	0.05000		104	70-130	19	25	
Toluene	0.0529	0.0050	mg/kg wet	0.05000		106	70-130	7	25	
trans-1,2-Dichloroethene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	9	25	
trans-1,3-Dichloropropene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	10	25	
Trichloroethene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	7	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ90227 - 5035										
Trichlorofluoromethane	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	9	25	
Vinyl Acetate	0.0612	0.0050	mg/kg wet	0.05000		122	70-130	14	25	
Vinyl Chloride	0.0503	0.0100	mg/kg wet	0.05000		101	70-130	9	25	
Xylene O	0.0514	0.0050	mg/kg wet	0.05000		103	70-130	4	25	
Xylene P,M	0.103	0.0100	mg/kg wet	0.1000		103	70-130	4	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0500*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0482*		mg/kg wet	*0.05000*		*96*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0506*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0488*		mg/kg wet	*0.05000*		*98*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch CI92707 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*3.94*		mg/kg wet	*5.000*		*79*	*40-140*			
LCS										
Decane (C10)	1.8	0.2	mg/kg wet	2.500		72	40-140			
Docosane (C22)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Dodecane (C12)	1.9	0.2	mg/kg wet	2.500		76	40-140			
Eicosane (C20)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Hexacosane (C26)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Hexadecane (C16)	2.0	0.2	mg/kg wet	2.500		81	40-140			
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		65	30-140			
Octacosane (C28)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Tetracosane (C24)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		79	40-140			
Total Petroleum Hydrocarbons	28.5	37.5	mg/kg wet	35.00		81	40-140			
Triacontane (C30)	2.1	0.2	mg/kg wet	2.500		84	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CI92707 - 3546										
Surrogate: O-Terphenyl	*4.46*		mg/kg wet	*5.000*		*89*	*40-140*			
LCS Dup										
Decane (C10)	1.8	0.2	mg/kg wet	2.500		72	40-140	1	25	
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		86	40-140	2	25	
Dodecane (C12)	1.9	0.2	mg/kg wet	2.500		77	40-140	1	25	
Eicosane (C20)	2.1	0.2	mg/kg wet	2.500		85	40-140	2	25	
Hexacosane (C26)	2.1	0.2	mg/kg wet	2.500		86	40-140	2	25	
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		83	40-140	3	25	
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		90	40-140	2	25	
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		66	30-140	1	25	
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		86	40-140	2	25	
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		85	40-140	2	25	
Tetracosane (C24)	2.1	0.2	mg/kg wet	2.500		86	40-140	2	25	
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		79	40-140	0.7	25	
Total Petroleum Hydrocarbons	29.0	37.5	mg/kg wet	35.00		83	40-140	2	25	
Triacontane (C30)	2.1	0.2	mg/kg wet	2.500		86	40-140	2	25	
Surrogate: O-Terphenyl	*4.46*		mg/kg wet	*5.000*		*89*	*40-140*			
Batch CI93020 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.89*		mg/kg wet	*5.000*		*98*	*40-140*			
LCS										
Decane (C10)	1.8	0.2	mg/kg wet	2.500		70	40-140			
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Dodecane (C12)	1.9	0.2	mg/kg wet	2.500		75	40-140			
Eicosane (C20)	2.1	0.2	mg/kg wet	2.500		86	40-140			
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Hexadecane (C16)	2.0	0.2	mg/kg wet	2.500		80	40-140			
Nonadecane (C19)	2.3	0.2	mg/kg wet	2.500		90	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch CI93020 - 3546										
Nonane (C9)	1.5	0.2	mg/kg wet	2.500		58	30-140			
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		78	40-140			
Total Petroleum Hydrocarbons	28.8	37.5	mg/kg wet	35.00		82	40-140			
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Surrogate: O-Terphenyl	*4.57*		mg/kg wet	*5.000*		*91*	*40-140*			
LCS Dup										
Decane (C10)	1.8	0.2	mg/kg wet	2.500		72	40-140	2	25	
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		88	40-140	0.3	25	
Dodecane (C12)	1.9	0.2	mg/kg wet	2.500		77	40-140	3	25	
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		87	40-140	1	25	
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		88	40-140	0.5	25	
Hexadecane (C16)	2.0	0.2	mg/kg wet	2.500		81	40-140	1	25	
Nonadecane (C19)	2.3	0.2	mg/kg wet	2.500		90	40-140	0.1	25	
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		64	30-140	9	25	
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		89	40-140	2	25	
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		85	40-140	0.2	25	
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		88	40-140	0.02	25	
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		78	40-140	0.2	25	
Total Petroleum Hydrocarbons	29.2	37.5	mg/kg wet	35.00		83	40-140	1	25	
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		88	40-140	0.4	25	
Surrogate: O-Terphenyl	*4.52*		mg/kg wet	*5.000*		*90*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch CI92706 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI92706 - 3546										
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI92706 - 3546										
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.16*		mg/kg wet	*3.333*		*65*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.45*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.49*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.11*		mg/kg wet	*3.333*		*63*	*30-130*			
Surrogate: 2-Fluorophenol	*3.58*		mg/kg wet	*5.000*		*72*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.16*		mg/kg wet	*3.333*		*65*	*30-130*			
Surrogate: Phenol-d6	*3.51*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.71*		mg/kg wet	*3.333*		*81*	*30-130*			
LCS										
1,1-Biphenyl	2.02	0.333	mg/kg wet	3.333		61	40-140			
1,2,4-Trichlorobenzene	1.87	0.333	mg/kg wet	3.333		56	40-140			
1,2-Dichlorobenzene	1.91	0.333	mg/kg wet	3.333		57	40-140			
1,3-Dichlorobenzene	1.89	0.333	mg/kg wet	3.333		57	40-140			
1,4-Dichlorobenzene	1.89	0.333	mg/kg wet	3.333		57	40-140			
2,3,4,6-Tetrachlorophenol	2.79	1.67	mg/kg wet	3.333		84	30-130			
2,4,5-Trichlorophenol	2.81	0.333	mg/kg wet	3.333		84	30-130			
2,4,6-Trichlorophenol	2.51	0.333	mg/kg wet	3.333		75	30-130			
2,4-Dichlorophenol	2.33	0.333	mg/kg wet	3.333		70	30-130			
2,4-Dimethylphenol	2.20	0.333	mg/kg wet	3.333		66	30-130			
2,4-Dinitrophenol	2.70	1.67	mg/kg wet	3.333		81	30-130			
2,4-Dinitrotoluene	2.89	0.333	mg/kg wet	3.333		87	40-140			
2,6-Dinitrotoluene	2.67	0.333	mg/kg wet	3.333		80	40-140			
2-Chloronaphthalene	1.93	0.333	mg/kg wet	3.333		58	40-140			
2-Chlorophenol	2.08	0.333	mg/kg wet	3.333		62	30-130			
2-Methylnaphthalene	2.07	0.333	mg/kg wet	3.333		62	40-140			
2-Methylphenol	2.21	0.333	mg/kg wet	3.333		66	30-130			
2-Nitroaniline	2.21	0.333	mg/kg wet	3.333		66	40-140			
2-Nitrophenol	1.87	0.333	mg/kg wet	3.333		56	30-130			
3,3´-Dichlorobenzidine	2.49	0.667	mg/kg wet	3.333		75	40-140			
3+4-Methylphenol	4.90	0.667	mg/kg wet	6.667		73	30-130			
3-Nitroaniline	2.74	0.333	mg/kg wet	3.333		82	40-140			
4,6-Dinitro-2-Methylphenol	2.82	1.67	mg/kg wet	3.333		85	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI92706 - 3546										
4-Bromophenyl-phenylether	2.57	0.333	mg/kg wet	3.333		77	40-140			
4-Chloro-3-Methylphenol	2.74	0.333	mg/kg wet	3.333		82	30-130			
4-Chloroaniline	1.75	0.667	mg/kg wet	3.333		53	40-140			
4-Chloro-phenyl-phenyl ether	2.69	0.333	mg/kg wet	3.333		81	40-140			
4-Nitroaniline	2.42	0.333	mg/kg wet	3.333		73	40-140			
4-Nitrophenol	2.65	1.67	mg/kg wet	3.333		80	30-130			
Acenaphthene	2.23	0.333	mg/kg wet	3.333		67	40-140			
Acenaphthylene	2.31	0.333	mg/kg wet	3.333		69	40-140			
Acetophenone	2.17	0.667	mg/kg wet	3.333		65	40-140			
Aniline	1.74	0.667	mg/kg wet	3.333		52	40-140			
Anthracene	2.72	0.333	mg/kg wet	3.333		82	40-140			
Azobenzene	2.54	0.333	mg/kg wet	3.333		76	40-140			
Benzo(a)anthracene	2.95	0.333	mg/kg wet	3.333		88	40-140			
Benzo(a)pyrene	2.70	0.167	mg/kg wet	3.333		81	40-140			
Benzo(b)fluoranthene	2.93	0.333	mg/kg wet	3.333		88	40-140			
Benzo(g,h,i)perylene	2.80	0.333	mg/kg wet	3.333		84	40-140			
Benzo(k)fluoranthene	2.65	0.333	mg/kg wet	3.333		80	40-140			
Benzoic Acid	2.41	1.67	mg/kg wet	3.333		72	40-140			
Benzyl Alcohol	2.21	0.333	mg/kg wet	3.333		66	40-140			
bis(2-Chloroethoxy)methane	1.92	0.333	mg/kg wet	3.333		58	40-140			
bis(2-Chloroethyl)ether	1.97	0.333	mg/kg wet	3.333		59	40-140			
bis(2-chloroisopropyl)Ether	1.91	0.333	mg/kg wet	3.333		57	40-140			
bis(2-Ethylhexyl)phthalate	2.69	0.333	mg/kg wet	3.333		81	40-140			
Butylbenzylphthalate	2.57	0.333	mg/kg wet	3.333		77	40-140			
Carbazole	2.80	0.333	mg/kg wet	3.333		84	40-140			
Chrysene	2.79	0.167	mg/kg wet	3.333		84	40-140			
Dibenzo(a,h)Anthracene	2.81	0.167	mg/kg wet	3.333		84	40-140			
Dibenzofuran	2.38	0.333	mg/kg wet	3.333		71	40-140			
Diethylphthalate	2.90	0.333	mg/kg wet	3.333		87	40-140			
Dimethylphthalate	2.74	0.333	mg/kg wet	3.333		82	40-140			
Di-n-butylphthalate	2.68	0.333	mg/kg wet	3.333		80	40-140			
Di-n-octylphthalate	2.59	0.333	mg/kg wet	3.333		78	40-140			
Fluoranthene	2.94	0.333	mg/kg wet	3.333		88	40-140			
Fluorene	2.75	0.333	mg/kg wet	3.333		83	40-140			
Hexachlorobenzene	2.68	0.167	mg/kg wet	3.333		81	40-140			
Hexachlorobutadiene	1.85	0.333	mg/kg wet	3.333		56	40-140			
Hexachlorocyclopentadiene	1.62	1.67	mg/kg wet	3.333		48	40-140			
Hexachloroethane	1.81	0.333	mg/kg wet	3.333		54	40-140			
Indeno(1,2,3-cd)Pyrene	2.79	0.333	mg/kg wet	3.333		84	40-140			
Isophorone	1.91	0.333	mg/kg wet	3.333		57	40-140			
Naphthalene	1.87	0.333	mg/kg wet	3.333		56	40-140			
Nitrobenzene	1.85	0.333	mg/kg wet	3.333		56	40-140			
N-Nitrosodimethylamine	1.69	0.333	mg/kg wet	3.333		51	40-140			
N-Nitroso-Di-n-Propylamine	2.22	0.333	mg/kg wet	3.333		67	40-140			
N-nitrosodiphenylamine	2.59	0.333	mg/kg wet	3.333		78	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI92706 - 3546										
Pentachlorophenol	2.90	1.67	mg/kg wet	3.333		87	30-130			
Phenanthrene	2.61	0.333	mg/kg wet	3.333		78	40-140			
Phenol	2.17	0.333	mg/kg wet	3.333		65	30-130			
Pyrene	2.71	0.333	mg/kg wet	3.333		81	40-140			
Pyridine	1.59	1.67	mg/kg wet	3.333		48	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*1.88*		mg/kg wet	*3.333*		*56*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.11*		mg/kg wet	*5.000*		*82*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.16*		mg/kg wet	*5.000*		*63*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.97*		mg/kg wet	*3.333*		*59*	*30-130*			
Surrogate: 2-Fluorophenol	*3.12*		mg/kg wet	*5.000*		*62*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.87*		mg/kg wet	*3.333*		*56*	*30-130*			
Surrogate: Phenol-d6	*3.32*		mg/kg wet	*5.000*		*66*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.73*		mg/kg wet	*3.333*		*82*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.00	0.333	mg/kg wet	3.333		60	40-140	1	30	
1,2,4-Trichlorobenzene	2.04	0.333	mg/kg wet	3.333		61	40-140	9	30	
1,2-Dichlorobenzene	2.07	0.333	mg/kg wet	3.333		62	40-140	8	30	
1,3-Dichlorobenzene	2.01	0.333	mg/kg wet	3.333		60	40-140	6	30	
1,4-Dichlorobenzene	2.03	0.333	mg/kg wet	3.333		61	40-140	7	30	
2,3,4,6-Tetrachlorophenol	2.85	1.67	mg/kg wet	3.333		86	30-130	2	30	
2,4,5-Trichlorophenol	2.89	0.333	mg/kg wet	3.333		87	30-130	3	30	
2,4,6-Trichlorophenol	2.55	0.333	mg/kg wet	3.333		76	30-130	2	30	
2,4-Dichlorophenol	2.40	0.333	mg/kg wet	3.333		72	30-130	3	30	
2,4-Dimethylphenol	2.31	0.333	mg/kg wet	3.333		69	30-130	5	30	
2,4-Dinitrophenol	2.73	1.67	mg/kg wet	3.333		82	30-130	0.9	30	
2,4-Dinitrotoluene	2.93	0.333	mg/kg wet	3.333		88	40-140	1	30	
2,6-Dinitrotoluene	2.66	0.333	mg/kg wet	3.333		80	40-140	0.08	30	
2-Chloronaphthalene	1.98	0.333	mg/kg wet	3.333		59	40-140	2	30	
2-Chlorophenol	2.20	0.333	mg/kg wet	3.333		66	30-130	6	30	
2-Methylnaphthalene	2.18	0.333	mg/kg wet	3.333		66	40-140	5	30	
2-Methylphenol	2.31	0.333	mg/kg wet	3.333		69	30-130	5	30	
2-Nitroaniline	2.23	0.333	mg/kg wet	3.333		67	40-140	0.7	30	
2-Nitrophenol	2.01	0.333	mg/kg wet	3.333		60	30-130	7	30	
3,3´-Dichlorobenzidine	2.45	0.667	mg/kg wet	3.333		73	40-140	2	30	
3+4-Methylphenol	4.97	0.667	mg/kg wet	6.667		74	30-130	1	30	
3-Nitroaniline	2.71	0.333	mg/kg wet	3.333		81	40-140	1	30	
4,6-Dinitro-2-Methylphenol	2.86	1.67	mg/kg wet	3.333		86	30-130	1	30	
4-Bromophenyl-phenylether	2.55	0.333	mg/kg wet	3.333		76	40-140	0.9	30	
4-Chloro-3-Methylphenol	2.78	0.333	mg/kg wet	3.333		83	30-130	1	30	
4-Chloroaniline	1.86	0.667	mg/kg wet	3.333		56	40-140	6	30	
4-Chloro-phenyl-phenyl ether	2.72	0.333	mg/kg wet	3.333		81	40-140	1	30	
4-Nitroaniline	2.43	0.333	mg/kg wet	3.333		73	40-140	0.2	30	
4-Nitrophenol	2.73	1.67	mg/kg wet	3.333		82	30-130	3	30	
Acenaphthene	2.26	0.333	mg/kg wet	3.333		68	40-140	1	30	
Acenaphthylene	2.34	0.333	mg/kg wet	3.333		70	40-140	1	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI92706 - 3546										
Acetophenone	2.25	0.667	mg/kg wet	3.333		67	40-140	3	30	
Aniline	1.81	0.667	mg/kg wet	3.333		54	40-140	4	30	
Anthracene	2.69	0.333	mg/kg wet	3.333		81	40-140	0.8	30	
Azobenzene	2.58	0.333	mg/kg wet	3.333		77	40-140	1	30	
Benzo(a)anthracene	2.90	0.333	mg/kg wet	3.333		87	40-140	2	30	
Benzo(a)pyrene	2.73	0.167	mg/kg wet	3.333		82	40-140	1	30	
Benzo(b)fluoranthene	2.96	0.333	mg/kg wet	3.333		89	40-140	1	30	
Benzo(g,h,i)perylene	2.78	0.333	mg/kg wet	3.333		83	40-140	0.7	30	
Benzo(k)fluoranthene	2.62	0.333	mg/kg wet	3.333		79	40-140	1	30	
Benzoic Acid	2.51	1.67	mg/kg wet	3.333		75	40-140	4	30	
Benzyl Alcohol	2.29	0.333	mg/kg wet	3.333		69	40-140	4	30	
bis(2-Chloroethoxy)methane	2.07	0.333	mg/kg wet	3.333		62	40-140	7	30	
bis(2-Chloroethyl)ether	2.12	0.333	mg/kg wet	3.333		64	40-140	7	30	
bis(2-chloroisopropyl)Ether	2.04	0.333	mg/kg wet	3.333		61	40-140	7	30	
bis(2-Ethylhexyl)phthalate	2.66	0.333	mg/kg wet	3.333		80	40-140	1	30	
Butylbenzylphthalate	2.58	0.333	mg/kg wet	3.333		77	40-140	0.4	30	
Carbazole	2.78	0.333	mg/kg wet	3.333		83	40-140	0.7	30	
Chrysene	2.80	0.167	mg/kg wet	3.333		84	40-140	0.2	30	
Dibenzo(a,h)Anthracene	2.81	0.167	mg/kg wet	3.333		84	40-140	0.2	30	
Dibenzofuran	2.43	0.333	mg/kg wet	3.333		73	40-140	2	30	
Diethylphthalate	2.95	0.333	mg/kg wet	3.333		88	40-140	2	30	
Dimethylphthalate	2.70	0.333	mg/kg wet	3.333		81	40-140	1	30	
Di-n-butylphthalate	2.71	0.333	mg/kg wet	3.333		81	40-140	1	30	
Di-n-octylphthalate	2.55	0.333	mg/kg wet	3.333		76	40-140	1	30	
Fluoranthene	2.97	0.333	mg/kg wet	3.333		89	40-140	0.8	30	
Fluorene	2.78	0.333	mg/kg wet	3.333		83	40-140	0.9	30	
Hexachlorobenzene	2.71	0.167	mg/kg wet	3.333		81	40-140	1	30	
Hexachlorobutadiene	2.02	0.333	mg/kg wet	3.333		60	40-140	8	30	
Hexachlorocyclopentadiene	1.77	1.67	mg/kg wet	3.333		53	40-140	9	30	
Hexachloroethane	1.98	0.333	mg/kg wet	3.333		59	40-140	9	30	
Indeno(1,2,3-cd)Pyrene	2.80	0.333	mg/kg wet	3.333		84	40-140	0.6	30	
Isophorone	2.00	0.333	mg/kg wet	3.333		60	40-140	4	30	
Naphthalene	2.04	0.333	mg/kg wet	3.333		61	40-140	9	30	
Nitrobenzene	2.01	0.333	mg/kg wet	3.333		60	40-140	8	30	
N-Nitrosodimethylamine	1.78	0.333	mg/kg wet	3.333		53	40-140	5	30	
N-Nitroso-Di-n-Propylamine	2.32	0.333	mg/kg wet	3.333		69	40-140	4	30	
N-nitrosodiphenylamine	2.59	0.333	mg/kg wet	3.333		78	40-140	0.2	30	
Pentachlorophenol	2.89	1.67	mg/kg wet	3.333		87	30-130	0.5	30	
Phenanthrene	2.58	0.333	mg/kg wet	3.333		77	40-140	1	30	
Phenol	2.27	0.333	mg/kg wet	3.333		68	30-130	4	30	
Pyrene	2.67	0.333	mg/kg wet	3.333		80	40-140	2	30	
Pyridine	1.69	1.67	mg/kg wet	3.333		51	40-140	6	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.01*		mg/kg wet	*3.333*		*60*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.15*		mg/kg wet	*5.000*		*83*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.36*		mg/kg wet	*5.000*		*67*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI92706 - 3546										
Surrogate: 2-Fluorobiphenyl	*1.99*		mg/kg wet	*3.333*		*60*	*30-130*			
Surrogate: 2-Fluorophenol	*3.32*		mg/kg wet	*5.000*		*66*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.00*		mg/kg wet	*3.333*		*60*	*30-130*			
Surrogate: Phenol-d6	*3.41*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.72*		mg/kg wet	*3.333*		*82*	*30-130*			
Batch CI93019 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI93019 - 3546										
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.00*		mg/kg wet	*3.333*		*60*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.44*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.18*		mg/kg wet	*5.000*		*64*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.06*		mg/kg wet	*3.333*		*62*	*30-130*			
Surrogate: 2-Fluorophenol	*3.25*		mg/kg wet	*5.000*		*65*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.99*		mg/kg wet	*3.333*		*60*	*30-130*			
Surrogate: Phenol-d6	*3.19*		mg/kg wet	*5.000*		*64*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.91*		mg/kg wet	*3.333*		*87*	*30-130*			
LCS										

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI93019 - 3546										
1,1-Biphenyl	2.12	0.333	mg/kg wet	3.333		63	40-140			
1,2,4-Trichlorobenzene	1.99	0.333	mg/kg wet	3.333		60	40-140			
1,2-Dichlorobenzene	1.97	0.333	mg/kg wet	3.333		59	40-140			
1,3-Dichlorobenzene	1.96	0.333	mg/kg wet	3.333		59	40-140			
1,4-Dichlorobenzene	1.95	0.333	mg/kg wet	3.333		59	40-140			
2,3,4,6-Tetrachlorophenol	2.55	1.67	mg/kg wet	3.333		77	30-130			
2,4,5-Trichlorophenol	2.76	0.333	mg/kg wet	3.333		83	30-130			
2,4,6-Trichlorophenol	2.50	0.333	mg/kg wet	3.333		75	30-130			
2,4-Dichlorophenol	2.27	0.333	mg/kg wet	3.333		68	30-130			
2,4-Dimethylphenol	2.18	0.333	mg/kg wet	3.333		65	30-130			
2,4-Dinitrophenol	2.43	1.67	mg/kg wet	3.333		73	30-130			
2,4-Dinitrotoluene	2.60	0.333	mg/kg wet	3.333		78	40-140			
2,6-Dinitrotoluene	2.49	0.333	mg/kg wet	3.333		75	40-140			
2-Chloronaphthalene	2.01	0.333	mg/kg wet	3.333		60	40-140			
2-Chlorophenol	2.07	0.333	mg/kg wet	3.333		62	30-130			
2-Methylnaphthalene	2.06	0.333	mg/kg wet	3.333		62	40-140			
2-Methylphenol	2.09	0.333	mg/kg wet	3.333		63	30-130			
2-Nitroaniline	2.06	0.333	mg/kg wet	3.333		62	40-140			
2-Nitrophenol	1.94	0.333	mg/kg wet	3.333		58	30-130			
3,3´-Dichlorobenzidine	2.42	0.667	mg/kg wet	3.333		73	40-140			
3+4-Methylphenol	4.57	0.667	mg/kg wet	6.667		69	30-130			
3-Nitroaniline	2.40	0.333	mg/kg wet	3.333		72	40-140			
4,6-Dinitro-2-Methylphenol	2.69	1.67	mg/kg wet	3.333		81	30-130			
4-Bromophenyl-phenylether	2.64	0.333	mg/kg wet	3.333		79	40-140			
4-Chloro-3-Methylphenol	2.51	0.333	mg/kg wet	3.333		75	30-130			
4-Chloroaniline	1.72	0.667	mg/kg wet	3.333		52	40-140			
4-Chloro-phenyl-phenyl ether	2.56	0.333	mg/kg wet	3.333		77	40-140			
4-Nitroaniline	2.32	0.333	mg/kg wet	3.333		70	40-140			
4-Nitrophenol	2.27	1.67	mg/kg wet	3.333		68	30-130			
Acenaphthene	2.21	0.333	mg/kg wet	3.333		66	40-140			
Acenaphthylene	2.32	0.333	mg/kg wet	3.333		70	40-140			
Acetophenone	2.09	0.667	mg/kg wet	3.333		63	40-140			
Aniline	1.65	0.667	mg/kg wet	3.333		50	40-140			
Anthracene	2.61	0.333	mg/kg wet	3.333		78	40-140			
Azobenzene	2.62	0.333	mg/kg wet	3.333		79	40-140			
Benzo(a)anthracene	2.84	0.333	mg/kg wet	3.333		85	40-140			
Benzo(a)pyrene	2.61	0.167	mg/kg wet	3.333		78	40-140			
Benzo(b)fluoranthene	2.81	0.333	mg/kg wet	3.333		84	40-140			
Benzo(g,h,i)perylene	2.72	0.333	mg/kg wet	3.333		82	40-140			
Benzo(k)fluoranthene	2.66	0.333	mg/kg wet	3.333		80	40-140			
Benzoic Acid	2.24	1.67	mg/kg wet	3.333		67	40-140			
Benzyl Alcohol	1.96	0.333	mg/kg wet	3.333		59	40-140			
bis(2-Chloroethoxy)methane	1.99	0.333	mg/kg wet	3.333		60	40-140			
bis(2-Chloroethyl)ether	2.04	0.333	mg/kg wet	3.333		61	40-140			
bis(2-chloroisopropyl)Ether	1.94	0.333	mg/kg wet	3.333		58	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI93019 - 3546										
bis(2-Ethylhexyl)phthalate	2.68	0.333	mg/kg wet	3.333		80	40-140			
Butylbenzylphthalate	2.62	0.333	mg/kg wet	3.333		79	40-140			
Carbazole	2.55	0.333	mg/kg wet	3.333		77	40-140			
Chrysene	2.70	0.167	mg/kg wet	3.333		81	40-140			
Dibenzo(a,h)Anthracene	2.70	0.167	mg/kg wet	3.333		81	40-140			
Dibenzofuran	2.36	0.333	mg/kg wet	3.333		71	40-140			
Diethylphthalate	2.68	0.333	mg/kg wet	3.333		80	40-140			
Dimethylphthalate	2.58	0.333	mg/kg wet	3.333		77	40-140			
Di-n-butylphthalate	2.53	0.333	mg/kg wet	3.333		76	40-140			
Di-n-octylphthalate	2.66	0.333	mg/kg wet	3.333		80	40-140			
Fluoranthene	2.62	0.333	mg/kg wet	3.333		79	40-140			
Fluorene	2.55	0.333	mg/kg wet	3.333		77	40-140			
Hexachlorobenzene	2.74	0.167	mg/kg wet	3.333		82	40-140			
Hexachlorobutadiene	2.01	0.333	mg/kg wet	3.333		60	40-140			
Hexachlorocyclopentadiene	2.02	1.67	mg/kg wet	3.333		61	40-140			
Hexachloroethane	1.90	0.333	mg/kg wet	3.333		57	40-140			
Indeno(1,2,3-cd)Pyrene	2.70	0.333	mg/kg wet	3.333		81	40-140			
Isophorone	1.86	0.333	mg/kg wet	3.333		56	40-140			
Naphthalene	1.96	0.333	mg/kg wet	3.333		59	40-140			
Nitrobenzene	1.90	0.333	mg/kg wet	3.333		57	40-140			
N-Nitrosodimethylamine	1.70	0.333	mg/kg wet	3.333		51	40-140			
N-Nitroso-Di-n-Propylamine	2.09	0.333	mg/kg wet	3.333		63	40-140			
N-nitrosodiphenylamine	2.66	0.333	mg/kg wet	3.333		80	40-140			
Pentachlorophenol	2.74	1.67	mg/kg wet	3.333		82	30-130			
Phenanthrene	2.54	0.333	mg/kg wet	3.333		76	40-140			
Phenol	2.06	0.333	mg/kg wet	3.333		62	30-130			
Pyrene	2.88	0.333	mg/kg wet	3.333		86	40-140			
Pyridine	1.66	1.67	mg/kg wet	3.333		50	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.01*		mg/kg wet	*3.333*		*60*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.32*		mg/kg wet	*5.000*		*86*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.27*		mg/kg wet	*5.000*		*65*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.22*		mg/kg wet	*3.333*		*67*	*30-130*			
Surrogate: 2-Fluorophenol	*3.27*		mg/kg wet	*5.000*		*65*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.98*		mg/kg wet	*3.333*		*59*	*30-130*			
Surrogate: Phenol-d6	*3.30*		mg/kg wet	*5.000*		*66*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.06*		mg/kg wet	*3.333*		*92*	*30-130*			
LCS Dup										
1,1-Biphenyl	1.96	0.333	mg/kg wet	3.333		59	40-140	8	30	
1,2,4-Trichlorobenzene	1.92	0.333	mg/kg wet	3.333		57	40-140	4	30	
1,2-Dichlorobenzene	1.98	0.333	mg/kg wet	3.333		59	40-140	0.3	30	
1,3-Dichlorobenzene	1.94	0.333	mg/kg wet	3.333		58	40-140	0.9	30	
1,4-Dichlorobenzene	1.94	0.333	mg/kg wet	3.333		58	40-140	0.7	30	
2,3,4,6-Tetrachlorophenol	2.54	1.67	mg/kg wet	3.333		76	30-130	0.5	30	
2,4,5-Trichlorophenol	2.66	0.333	mg/kg wet	3.333		80	30-130	4	30	
2,4,6-Trichlorophenol	2.40	0.333	mg/kg wet	3.333		72	30-130	4	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI93019 - 3546										
2,4-Dichlorophenol	2.20	0.333	mg/kg wet	3.333		66	30-130	3	30	
2,4-Dimethylphenol	2.10	0.333	mg/kg wet	3.333		63	30-130	4	30	
2,4-Dinitrophenol	2.51	1.67	mg/kg wet	3.333		75	30-130	3	30	
2,4-Dinitrotoluene	2.52	0.333	mg/kg wet	3.333		76	40-140	3	30	
2,6-Dinitrotoluene	2.45	0.333	mg/kg wet	3.333		74	40-140	2	30	
2-Chloronaphthalene	1.90	0.333	mg/kg wet	3.333		57	40-140	6	30	
2-Chlorophenol	2.08	0.333	mg/kg wet	3.333		62	30-130	0.6	30	
2-Methylnaphthalene	1.99	0.333	mg/kg wet	3.333		60	40-140	4	30	
2-Methylphenol	2.13	0.333	mg/kg wet	3.333		64	30-130	2	30	
2-Nitroaniline	2.00	0.333	mg/kg wet	3.333		60	40-140	3	30	
2-Nitrophenol	1.92	0.333	mg/kg wet	3.333		58	30-130	0.8	30	
3,3´-Dichlorobenzidine	2.28	0.667	mg/kg wet	3.333		68	40-140	6	30	
3+4-Methylphenol	4.55	0.667	mg/kg wet	6.667		68	30-130	0.5	30	
3-Nitroaniline	2.39	0.333	mg/kg wet	3.333		72	40-140	0.5	30	
4,6-Dinitro-2-Methylphenol	2.68	1.67	mg/kg wet	3.333		81	30-130	0.2	30	
4-Bromophenyl-phenylether	2.50	0.333	mg/kg wet	3.333		75	40-140	5	30	
4-Chloro-3-Methylphenol	2.46	0.333	mg/kg wet	3.333		74	30-130	2	30	
4-Chloroaniline	1.63	0.667	mg/kg wet	3.333		49	40-140	5	30	
4-Chloro-phenyl-phenyl ether	2.51	0.333	mg/kg wet	3.333		75	40-140	2	30	
4-Nitroaniline	2.26	0.333	mg/kg wet	3.333		68	40-140	3	30	
4-Nitrophenol	2.27	1.67	mg/kg wet	3.333		68	30-130	0.03	30	
Acenaphthene	2.10	0.333	mg/kg wet	3.333		63	40-140	5	30	
Acenaphthylene	2.21	0.333	mg/kg wet	3.333		66	40-140	5	30	
Acetophenone	2.09	0.667	mg/kg wet	3.333		63	40-140	0.1	30	
Aniline	1.64	0.667	mg/kg wet	3.333		49	40-140	0.9	30	
Anthracene	2.52	0.333	mg/kg wet	3.333		76	40-140	3	30	
Azobenzene	2.46	0.333	mg/kg wet	3.333		74	40-140	6	30	
Benzo(a)anthracene	2.72	0.333	mg/kg wet	3.333		82	40-140	4	30	
Benzo(a)pyrene	2.57	0.167	mg/kg wet	3.333		77	40-140	2	30	
Benzo(b)fluoranthene	2.66	0.333	mg/kg wet	3.333		80	40-140	6	30	
Benzo(g,h,i)perylene	2.46	0.333	mg/kg wet	3.333		74	40-140	10	30	
Benzo(k)fluoranthene	2.70	0.333	mg/kg wet	3.333		81	40-140	1	30	
Benzoic Acid	2.26	1.67	mg/kg wet	3.333		68	40-140	0.6	30	
Benzyl Alcohol	1.99	0.333	mg/kg wet	3.333		60	40-140	2	30	
bis(2-Chloroethoxy)methane	1.92	0.333	mg/kg wet	3.333		58	40-140	3	30	
bis(2-Chloroethyl)ether	2.03	0.333	mg/kg wet	3.333		61	40-140	0.9	30	
bis(2-chloroisopropyl)Ether	1.94	0.333	mg/kg wet	3.333		58	40-140	0.03	30	
bis(2-Ethylhexyl)phthalate	2.58	0.333	mg/kg wet	3.333		77	40-140	4	30	
Butylbenzylphthalate	2.48	0.333	mg/kg wet	3.333		74	40-140	6	30	
Carbazole	2.50	0.333	mg/kg wet	3.333		75	40-140	2	30	
Chrysene	2.57	0.167	mg/kg wet	3.333		77	40-140	5	30	
Dibenzo(a,h)Anthracene	2.51	0.167	mg/kg wet	3.333		75	40-140	7	30	
Dibenzofuran	2.25	0.333	mg/kg wet	3.333		67	40-140	5	30	
Diethylphthalate	2.60	0.333	mg/kg wet	3.333		78	40-140	3	30	
Dimethylphthalate	2.48	0.333	mg/kg wet	3.333		75	40-140	4	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch CI93019 - 3546										
Di-n-butylphthalate	2.43	0.333	mg/kg wet	3.333		73	40-140	4	30	
Di-n-octylphthalate	2.65	0.333	mg/kg wet	3.333		79	40-140	0.5	30	
Fluoranthene	2.58	0.333	mg/kg wet	3.333		77	40-140	2	30	
Fluorene	2.51	0.333	mg/kg wet	3.333		75	40-140	2	30	
Hexachlorobenzene	2.57	0.167	mg/kg wet	3.333		77	40-140	6	30	
Hexachlorobutadiene	1.97	0.333	mg/kg wet	3.333		59	40-140	2	30	
Hexachlorocyclopentadiene	1.86	1.67	mg/kg wet	3.333		56	40-140	8	30	
Hexachloroethane	1.90	0.333	mg/kg wet	3.333		57	40-140	0.4	30	
Indeno(1,2,3-cd)Pyrene	2.48	0.333	mg/kg wet	3.333		74	40-140	9	30	
Isophorone	1.84	0.333	mg/kg wet	3.333		55	40-140	1	30	
Naphthalene	1.91	0.333	mg/kg wet	3.333		57	40-140	3	30	
Nitrobenzene	1.86	0.333	mg/kg wet	3.333		56	40-140	2	30	
N-Nitrosodimethylamine	1.71	0.333	mg/kg wet	3.333		51	40-140	0.4	30	
N-Nitroso-Di-n-Propylamine	2.09	0.333	mg/kg wet	3.333		63	40-140	0.1	30	
N-nitrosodiphenylamine	2.51	0.333	mg/kg wet	3.333		75	40-140	5	30	
Pentachlorophenol	2.68	1.67	mg/kg wet	3.333		80	30-130	2	30	
Phenanthrene	2.44	0.333	mg/kg wet	3.333		73	40-140	4	30	
Phenol	2.06	0.333	mg/kg wet	3.333		62	30-130	0.01	30	
Pyrene	2.67	0.333	mg/kg wet	3.333		80	40-140	7	30	
Pyridine	1.66	1.67	mg/kg wet	3.333		50	40-140	0.5	30	
Surrogate: 1,2-Dichlorobenzene-d4	*1.92*		mg/kg wet	*3.333*		*58*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.88*		mg/kg wet	*5.000*		*78*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.14*		mg/kg wet	*5.000*		*63*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.95*		mg/kg wet	*3.333*		*59*	*30-130*			
Surrogate: 2-Fluorophenol	*3.16*		mg/kg wet	*5.000*		*63*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.87*		mg/kg wet	*3.333*		*56*	*30-130*			
Surrogate: Phenol-d6	*3.18*		mg/kg wet	*5.000*		*64*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.72*		mg/kg wet	*3.333*		*82*	*30-130*			
Classical Chemistry										
Batch CI93024 - TCN Prep										
Blank										
Total Cyanide	ND	1.00	mg/kg wet							
LCS										
Total Cyanide	4.94	1.00	mg/kg wet	5.015		98	90-110			
Reference										
Total Cyanide	151	9.88	mg/kg wet	157.0		96	24-110			
Reference										
Total Cyanide	151	9.93	mg/kg wet	157.0		96	24-110			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 19I0930

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

CHAIN OF CUSTODY

ESS Laboratory
Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston RI 02910
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

ESS Lab # 19F0930
Reporting Limits

Turn Time: 5 Days
Regulatory State: RI
Is this project for any of the following?: ○ CT RCP ○ MA MCP ○ RGP
Electonic Deliverables: ☑ Data Checker ☒ Excel ☒ Other (Please Specify →) PDF

Company Name: GZA
Project #: 33559.04
Project Name: 642 Allens Ave - FPLP
Contact Person: Lucas Withers → Lucas.Withers@gza.com
Address: 188 Valley St, Suite 300
City: Providence
State: RI
Zip Code: 02909
PO #:
Telephone Number: 603-325-1825
FAX Number:
Email Address: Lucas.Withers@gza.com

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	Analysis: TPH	Total VOCs	Total SVOCs	RCRA8 Metals	Total Silver	Total Cyanide
1	9/27/19	1345	Composite	Soil	SS-01						
2		1400			SS-02						
3		1415			SS-03						
4		1430			SS-04						
5		1445			SS-05						
6		1500			SS-06						

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial — AG | V | V | AG | AG | AG
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other* — 10 | 7 | 7 | 10 | 9 | 10
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other* — 1 | 6 | 1 | 1 | 1 | 1
Number of Containers per Sample: 2 | 3 | 2 | 2 | 1 | 2

Laboratory Use Only
Cooler Present: Y ○ Drop Off
Seals Intact: NA ○ Pickup
Cooler Temperature: 5.9 °C

Sampled by: Lucas Withers, Tolulope Aleshaye
Please specify "Other" preservative and containers types in this space
Comments: 1.) National Grid Rates Apply
2.) TCLP > 20x Rule

Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)
9/27/19 1400	9/27/19 1600	9/27/19 1623	9/27/19 1623
Relinquished by: (Signature, Date & Time)	Received By: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received By: (Signature, Date & Time)

CERTIFICATE OF ANALYSIS

Sara Haupt
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: FPLP (33559.04 Task 6.0)
ESS Laboratory Work Order Number: 20C0580

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 5:11 pm, Mar 25, 2020

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Sterling Analytical Lab - West Springfield, MA	Sulfur

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20C0580

SAMPLE RECEIPT

The following samples were received on March 18, 2020 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on March 18, 2020 at 1800.

Lab Number	Sample Name	Matrix	Analysis
20C0580-01	SP031820-1	Soil	6010, 6010C, 7471B, 8100M, 8260B, 8260B Low, 8270D, 9014
20C0580-02	SP031820-2	Soil	6010, 6010C, 7471B, 8100M, 8260B, 8260B Low, 8270D, 9014

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20C0580

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

20C0580-01	**Reported above the quantitation limit; Estimated value (E).**
	Naphthalene
20C0580-01	**Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results (SC).**
	Dibromofluoromethane (35% @ 70-130%)
20C0580-02	**Reported above the quantitation limit; Estimated value (E).**
	Naphthalene
20C0580-02	**Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results (SC).**
	Dibromofluoromethane (38% @ 70-130%)

8270D Semi-Volatile Organic Compounds

20C0580-01	**Surrogate recovery(ies) below lower control limit (S-).**
	2,4,6-Tribromophenol (12% @ 30-130%), 2-Fluorophenol (19% @ 30-130%)
D0C0312-CCV1	**Calibration required quadratic regression (Q).**
	2,4-Dinitrophenol (120% @ 80-120%), 4,6-Dinitro-2-Methylphenol (118% @ 80-120%), Benzoic Acid (114% @ 80-120%), Pentachlorophenol (116% @ 80-120%)
D0C0312-CCV1	**Initial Calibration Verification recovery is below lower control limit (ICV-).**
	Hexachlorocyclopentadiene
D0C0313-CCV1	**Calibration required quadratic regression (Q).**
	2,4-Dinitrophenol (129% @ 80-120%), 4,6-Dinitro-2-Methylphenol (121% @ 80-120%), Benzoic Acid (127% @ 80-120%), Pentachlorophenol (109% @ 80-120%)
D0C0313-CCV1	**Continuing Calibration %Diff/Drift is above control limit (CD+).**
	2,4-Dinitrophenol (29% @ 20%), 2-Nitroaniline (21% @ 20%), 4,6-Dinitro-2-Methylphenol (21% @ 20%), Benzoic Acid (27% @ 20%)
DC01744-BS1	**Blank Spike recovery is below lower control limit (B-).**
	4-Chloroaniline (33% @ 40-140%)
DC01744-BSD1	**Blank Spike recovery is below lower control limit (B-).**
	4-Chloroaniline (24% @ 40-140%)
DC01744-BSD1	**Relative percent difference for duplicate is outside of criteria (D+).**
	4-Chloroaniline (32% @ 30%)

No other observations noted.

End of Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20C0580

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-1
Date Sampled: 03/18/20 11:40
Percent Solids: 90

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.57)		6010C		1	KJK	03/18/20 23:07	2.17	100	DC01826
Barium	**58.1** (2.57)		6010C		1	KJK	03/18/20 23:07	2.17	100	DC01826
Cadmium	ND (0.51)		6010C		1	KJK	03/18/20 23:07	2.17	100	DC01826
Chromium	**8.90** (1.03)		6010C		1	KJK	03/18/20 23:07	2.17	100	DC01826
Lead	**11.6** (5.14)		6010C		1	KJK	03/18/20 23:07	2.17	100	DC01826
Mercury	**0.042** (0.031)		7471B		1	MKS	03/20/20 10:16	0.72	40	DC01827
Selenium	ND (5.14)		6010C		1	KJK	03/18/20 23:07	2.17	100	DC01826
Silver	ND (0.51)		6010C		1	KJK	03/18/20 23:07	2.17	100	DC01826

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-1
Date Sampled: 03/18/20 11:40
Percent Solids: 90
Initial Volume: 7.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1,1,1-Trichloroethane	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1,1,2,2-Tetrachloroethane	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1,1,2-Trichloroethane	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1,1-Dichloroethane	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1,1-Dichloroethene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1,1-Dichloropropene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1,2,3-Trichlorobenzene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1,2,3-Trichloropropane	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1,2,4-Trichlorobenzene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1,2,4-Trimethylbenzene	**0.0231** (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1,2-Dibromo-3-Chloropropane	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1,2-Dibromoethane	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1,2-Dichlorobenzene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1,2-Dichloroethane	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1,2-Dichloropropane	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1,3,5-Trimethylbenzene	**0.0059** (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1,3-Dichlorobenzene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1,3-Dichloropropane	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1,4-Dichlorobenzene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1,4-Dioxane	ND (0.0716)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
1-Chlorohexane	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
2,2-Dichloropropane	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
2-Butanone	ND (0.0358)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
2-Chlorotoluene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
2-Hexanone	ND (0.0358)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
4-Chlorotoluene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
4-Isopropyltoluene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
4-Methyl-2-Pentanone	ND (0.0358)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Acetone	**0.0455** (0.0358)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Benzene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Bromobenzene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-1
Date Sampled: 03/18/20 11:40
Percent Solids: 90
Initial Volume: 7.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Bromodichloromethane	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Bromoform	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Bromomethane	ND (0.0072)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Carbon Disulfide	**0.0039** (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Carbon Tetrachloride	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Chlorobenzene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Chloroethane	ND (0.0072)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Chloroform	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Chloromethane	ND (0.0072)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
cis-1,2-Dichloroethene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
cis-1,3-Dichloropropene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Dibromochloromethane	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Dibromomethane	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Dichlorodifluoromethane	ND (0.0072)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Diethyl Ether	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Di-isopropyl ether	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Ethyl tertiary-butyl ether	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Ethylbenzene	**0.0057** (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Hexachlorobutadiene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Isopropylbenzene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Methyl tert-Butyl Ether	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Methylene Chloride	ND (0.0179)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Naphthalene	**E 0.576** (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
n-Butylbenzene	**0.0060** (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
n-Propylbenzene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
sec-Butylbenzene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Styrene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
tert-Butylbenzene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Tertiary-amyl methyl ether	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Tetrachloroethene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Tetrahydrofuran	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-1
Date Sampled: 03/18/20 11:40
Percent Solids: 90
Initial Volume: 7.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
trans-1,2-Dichloroethene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
trans-1,3-Dichloropropene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Trichloroethene	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Trichlorofluoromethane	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Vinyl Acetate	ND (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Vinyl Chloride	ND (0.0072)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Xylene O	**0.0046** (0.0036)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Xylene P,M	ND (0.0072)		8260B Low		1	03/19/20 22:30	D0C0358	DC01938
Xylenes (Total)	ND (0.00716)		8260B Low		1	03/19/20 22:30		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*106 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*92 %*		*70-130*
Surrogate: Dibromofluoromethane	*35 %*	*SC*	*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-1
Date Sampled: 03/18/20 11:40
Percent Solids: 90
Initial Volume: 24.8
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
1,1,1-Trichloroethane	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
1,1,2,2-Tetrachloroethane	ND (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
1,1,2-Trichloroethane	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
1,1-Dichloroethane	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
1,1-Dichloroethene	ND (0.158)	0.0475	8260B		1	03/20/20 12:03	D0C0376	DC02018
1,1-Dichloropropene	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
1,2,3-Trichlorobenzene	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
1,2,3-Trichloropropane	ND (0.158)	0.0475	8260B		1	03/20/20 12:03	D0C0376	DC02018
1,2,4-Trichlorobenzene	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
1,2,4-Trimethylbenzene	**J 0.0792** (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
1,2-Dibromo-3-Chloropropane	ND (0.792)	0.158	8260B		1	03/20/20 12:03	D0C0376	DC02018
1,2-Dibromoethane	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
1,2-Dichlorobenzene	ND (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
1,2-Dichloroethane	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
1,2-Dichloropropane	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
1,3,5-Trimethylbenzene	**J 0.0222** (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
1,3-Dichlorobenzene	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
1,3-Dichloropropane	ND (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
1,4-Dichlorobenzene	ND (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
1,4-Dioxane - Screen	ND (31.7)	30.1	8260B		1	03/20/20 12:03	D0C0376	DC02018
1-Chlorohexane	ND (0.158)	0.0633	8260B		1	03/20/20 12:03	D0C0376	DC02018
2,2-Dichloropropane	ND (0.158)	0.0475	8260B		1	03/20/20 12:03	D0C0376	DC02018
2-Butanone	ND (0.792)	0.538	8260B		1	03/20/20 12:03	D0C0376	DC02018
2-Chlorotoluene	ND (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
2-Hexanone	ND (0.792)	0.238	8260B		1	03/20/20 12:03	D0C0376	DC02018
4-Chlorotoluene	ND (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
4-Isopropyltoluene	ND (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
4-Methyl-2-Pentanone	ND (0.792)	0.253	8260B		1	03/20/20 12:03	D0C0376	DC02018
Acetone	ND (0.792)	0.428	8260B		1	03/20/20 12:03	D0C0376	DC02018
Benzene	**J 0.0206** (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
Bromobenzene	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-1
Date Sampled: 03/18/20 11:40
Percent Solids: 90
Initial Volume: 24.8
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.158)	0.0475	8260B		1	03/20/20 12:03	D0C0376	DC02018
Bromodichloromethane	ND (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
Bromoform	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
Bromomethane	ND (0.158)	0.0633	8260B		1	03/20/20 12:03	D0C0376	DC02018
Carbon Disulfide	ND (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
Carbon Tetrachloride	ND (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
Chlorobenzene	ND (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
Chloroethane	ND (0.158)	0.0633	8260B		1	03/20/20 12:03	D0C0376	DC02018
Chloroform	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
Chloromethane	ND (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
cis-1,2-Dichloroethene	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
cis-1,3-Dichloropropene	ND (0.158)	0.0475	8260B		1	03/20/20 12:03	D0C0376	DC02018
Dibromochloromethane	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
Dibromomethane	ND (0.158)	0.0475	8260B		1	03/20/20 12:03	D0C0376	DC02018
Dichlorodifluoromethane	ND (0.158)	0.0475	8260B		1	03/20/20 12:03	D0C0376	DC02018
Diethyl Ether	ND (0.158)	0.0475	8260B		1	03/20/20 12:03	D0C0376	DC02018
Di-isopropyl ether	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
Ethyl tertiary-butyl ether	ND (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
Ethylbenzene	**J 0.0317** (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
Hexachlorobutadiene	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
Isopropylbenzene	ND (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
Methyl tert-Butyl Ether	ND (0.158)	0.0475	8260B		1	03/20/20 12:03	D0C0376	DC02018
Methylene Chloride	**J 0.0713** (0.317)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
Naphthalene	**2.19** (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
n-Butylbenzene	**J 0.0206** (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
n-Propylbenzene	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
sec-Butylbenzene	ND (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
Styrene	ND (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
tert-Butylbenzene	ND (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
Tertiary-amyl methyl ether	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
Tetrachloroethene	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
Tetrahydrofuran	ND (0.792)	0.253	8260B		1	03/20/20 12:03	D0C0376	DC02018

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-1
Date Sampled: 03/18/20 11:40
Percent Solids: 90
Initial Volume: 24.8
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
trans-1,2-Dichloroethene	ND (0.158)	0.0475	8260B		1	03/20/20 12:03	D0C0376	DC02018
trans-1,3-Dichloropropene	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
Trichloroethene	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
Trichlorofluoromethane	ND (0.158)	0.0633	8260B		1	03/20/20 12:03	D0C0376	DC02018
Vinyl Acetate	ND (0.158)	0.0792	8260B		1	03/20/20 12:03	D0C0376	DC02018
Vinyl Chloride	ND (0.158)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
Xylene O	**J 0.0238** (0.158)	0.0158	8260B		1	03/20/20 12:03	D0C0376	DC02018
Xylene P,M	**J 0.0333** (0.317)	0.0317	8260B		1	03/20/20 12:03	D0C0376	DC02018
Xylenes (Total)	ND (0.317)		8260B		1	03/20/20 12:03		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*117 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*107 %*		*70-130*
Surrogate: Dibromofluoromethane	*111 %*		*70-130*
Surrogate: Toluene-d8	*109 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-1
Date Sampled: 03/18/20 11:40
Percent Solids: 90
Initial Volume: 19.3
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ZLC
Prepared: 3/18/20 17:34

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**224** (43.4)		8100M		1	03/19/20 15:07	D0C0341	DC01743

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*100 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-1
Date Sampled: 03/18/20 11:40
Percent Solids: 90
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 3/18/20 17:34

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
1,2,4-Trichlorobenzene	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
1,2-Dichlorobenzene	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
1,3-Dichlorobenzene	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
1,4-Dichlorobenzene	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
2,3,4,6-Tetrachlorophenol	ND (1.94)		8270D		1	03/19/20 5:58	D0C0313	DC01744
2,4,5-Trichlorophenol	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
2,4,6-Trichlorophenol	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
2,4-Dichlorophenol	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
2,4-Dimethylphenol	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
2,4-Dinitrophenol	ND (1.94)		8270D		1	03/19/20 5:58	D0C0313	DC01744
2,4-Dinitrotoluene	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
2,6-Dinitrotoluene	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
2-Chloronaphthalene	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
2-Chlorophenol	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
2-Methylnaphthalene	**2.78** (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
2-Methylphenol	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
2-Nitroaniline	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
2-Nitrophenol	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
3,3′-Dichlorobenzidine	ND (0.776)		8270D		1	03/19/20 5:58	D0C0313	DC01744
3+4-Methylphenol	ND (0.776)		8270D		1	03/19/20 5:58	D0C0313	DC01744
3-Nitroaniline	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
4,6-Dinitro-2-Methylphenol	ND (1.94)		8270D		1	03/19/20 5:58	D0C0313	DC01744
4-Bromophenyl-phenylether	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
4-Chloro-3-Methylphenol	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
4-Chloroaniline	ND (0.776)		8270D		1	03/19/20 5:58	D0C0313	DC01744
4-Chloro-phenyl-phenyl ether	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
4-Nitroaniline	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
4-Nitrophenol	ND (1.94)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Acenaphthene	**1.01** (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Acenaphthylene	**1.16** (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Acetophenone	ND (0.776)		8270D		1	03/19/20 5:58	D0C0313	DC01744

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-1
Date Sampled: 03/18/20 11:40
Percent Solids: 90
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 3/18/20 17:34

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.776)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Anthracene	**1.25** (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Azobenzene	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Benzo(a)anthracene	**1.13** (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Benzo(a)pyrene	**1.18** (0.194)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Benzo(b)fluoranthene	**0.734** (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Benzo(g,h,i)perylene	**0.617** (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Benzo(k)fluoranthene	**0.744** (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Benzoic Acid	ND (1.94)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Benzyl Alcohol	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
bis(2-Chloroethoxy)methane	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
bis(2-Chloroethyl)ether	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
bis(2-chloroisopropyl)Ether	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
bis(2-Ethylhexyl)phthalate	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Butylbenzylphthalate	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Carbazole	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Chrysene	**1.10** (0.194)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Dibenzo(a,h)Anthracene	**0.200** (0.194)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Dibenzofuran	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Diethylphthalate	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Dimethylphthalate	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Di-n-butylphthalate	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Di-n-octylphthalate	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Fluoranthene	**2.26** (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Fluorene	**1.11** (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Hexachlorobenzene	ND (0.194)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Hexachlorobutadiene	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Hexachlorocyclopentadiene	ND (1.94)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Hexachloroethane	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Indeno(1,2,3-cd)Pyrene	**0.525** (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Isophorone	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Naphthalene	**3.23** (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-1
Date Sampled: 03/18/20 11:40
Percent Solids: 90
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 3/18/20 17:34

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
N-Nitrosodimethylamine	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
N-Nitroso-Di-n-Propylamine	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
N-nitrosodiphenylamine	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Pentachlorophenol	ND (1.94)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Phenanthrene	**4.19** (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Phenol	ND (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Pyrene	**3.31** (0.387)		8270D		1	03/19/20 5:58	D0C0313	DC01744
Pyridine	ND (1.94)		8270D		1	03/19/20 5:58	D0C0313	DC01744

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*85 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*12 %*	*S-*	*30-130*
Surrogate: 2-Chlorophenol-d4	*36 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*86 %*		*30-130*
Surrogate: 2-Fluorophenol	*19 %*	*S-*	*30-130*
Surrogate: Nitrobenzene-d5	*83 %*		*30-130*
Surrogate: Phenol-d6	*54 %*		*30-130*
Surrogate: p-Terphenyl-d14	*103 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-1
Date Sampled: 03/18/20 11:40
Percent Solids: 90

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**2.32** (1.08)		9014		1	EEM	03/19/20 14:35	mg/kg dry	DC01921

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-1
Date Sampled: 03/18/20 11:40
Percent Solids: 90
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-01
Sample Matrix: Soil

Analyst: SUB
Prepared: 3/25/20 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**721** (100)		6010		1	SUB	03/25/20 11:54	mg/kg	DC02510

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-2
Date Sampled: 03/18/20 11:50
Percent Solids: 85

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.16** (1.97)		6010C		1	KJK	03/18/20 23:11	2.97	100	DC01826
Barium	**67.8** (1.97)		6010C		1	KJK	03/18/20 23:11	2.97	100	DC01826
Cadmium	ND (0.39)		6010C		1	KJK	03/18/20 23:11	2.97	100	DC01826
Chromium	**8.98** (0.79)		6010C		1	KJK	03/18/20 23:11	2.97	100	DC01826
Lead	**6.87** (3.94)		6010C		1	KJK	03/18/20 23:11	2.97	100	DC01826
Mercury	ND (0.030)		7471B		1	MKS	03/20/20 10:18	0.77	40	DC01827
Selenium	ND (3.94)		6010C		1	KJK	03/18/20 23:11	2.97	100	DC01826
Silver	ND (0.39)		6010C		1	KJK	03/18/20 23:11	2.97	100	DC01826

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-2
Date Sampled: 03/18/20 11:50
Percent Solids: 85
Initial Volume: 10.7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1,1,1-Trichloroethane	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1,1,2,2-Tetrachloroethane	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1,1,2-Trichloroethane	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1,1-Dichloroethane	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1,1-Dichloroethene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1,1-Dichloropropene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1,2,3-Trichlorobenzene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1,2,3-Trichloropropane	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1,2,4-Trichlorobenzene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1,2,4-Trimethylbenzene	**0.0405** (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1,2-Dibromo-3-Chloropropane	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1,2-Dibromoethane	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1,2-Dichlorobenzene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1,2-Dichloroethane	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1,2-Dichloropropane	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1,3,5-Trimethylbenzene	**0.0108** (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1,3-Dichlorobenzene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1,3-Dichloropropane	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1,4-Dichlorobenzene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1,4-Dioxane	ND (0.0547)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
1-Chlorohexane	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
2,2-Dichloropropane	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
2-Butanone	ND (0.0274)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
2-Chlorotoluene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
2-Hexanone	ND (0.0274)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
4-Chlorotoluene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
4-Isopropyltoluene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
4-Methyl-2-Pentanone	ND (0.0274)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Acetone	**0.0442** (0.0274)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Benzene	**0.0035** (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Bromobenzene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-2
Date Sampled: 03/18/20 11:50
Percent Solids: 85
Initial Volume: 10.7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Bromodichloromethane	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Bromoform	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Bromomethane	ND (0.0055)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Carbon Disulfide	**0.0033** (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Carbon Tetrachloride	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Chlorobenzene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Chloroethane	ND (0.0055)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Chloroform	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Chloromethane	ND (0.0055)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
cis-1,2-Dichloroethene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
cis-1,3-Dichloropropene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Dibromochloromethane	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Dibromomethane	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Dichlorodifluoromethane	ND (0.0055)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Diethyl Ether	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Di-isopropyl ether	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Ethyl tertiary-butyl ether	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Ethylbenzene	**0.0163** (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Hexachlorobutadiene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Isopropylbenzene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Methyl tert-Butyl Ether	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Methylene Chloride	ND (0.0137)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Naphthalene	**E 0.735** (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
n-Butylbenzene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
n-Propylbenzene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
sec-Butylbenzene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Styrene	**0.0089** (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
tert-Butylbenzene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Tertiary-amyl methyl ether	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Tetrachloroethene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Tetrahydrofuran	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-2
Date Sampled: 03/18/20 11:50
Percent Solids: 85
Initial Volume: 10.7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	**0.0164** (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
trans-1,2-Dichloroethene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
trans-1,3-Dichloropropene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Trichloroethene	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Trichlorofluoromethane	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Vinyl Acetate	ND (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Vinyl Chloride	ND (0.0055)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Xylene O	**0.0175** (0.0027)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Xylene P,M	**0.0314** (0.0055)		8260B Low		1	03/19/20 22:04	D0C0358	DC01938
Xylenes (Total)	**0.0488** (0.00547)		8260B Low		1	03/19/20 22:04		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*119 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*38 %*	*SC*	*70-130*
Surrogate: Toluene-d8	*96 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-2
Date Sampled: 03/18/20 11:50
Percent Solids: 85
Initial Volume: 26.5
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
1,1,1-Trichloroethane	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
1,1,2,2-Tetrachloroethane	ND (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
1,1,2-Trichloroethane	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
1,1-Dichloroethane	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
1,1-Dichloroethene	ND (0.167)	0.0501	8260B		1	03/20/20 12:30	D0C0376	DC02018
1,1-Dichloropropene	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
1,2,3-Trichlorobenzene	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
1,2,3-Trichloropropane	ND (0.167)	0.0501	8260B		1	03/20/20 12:30	D0C0376	DC02018
1,2,4-Trichlorobenzene	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
1,2,4-Trimethylbenzene	**0.187** (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
1,2-Dibromo-3-Chloropropane	ND (0.835)	0.167	8260B		1	03/20/20 12:30	D0C0376	DC02018
1,2-Dibromoethane	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
1,2-Dichlorobenzene	ND (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
1,2-Dichloroethane	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
1,2-Dichloropropane	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
1,3,5-Trimethylbenzene	**J 0.0384** (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
1,3-Dichlorobenzene	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
1,3-Dichloropropane	ND (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
1,4-Dichlorobenzene	ND (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
1,4-Dioxane - Screen	ND (33.4)	31.7	8260B		1	03/20/20 12:30	D0C0376	DC02018
1-Chlorohexane	ND (0.167)	0.0668	8260B		1	03/20/20 12:30	D0C0376	DC02018
2,2-Dichloropropane	ND (0.167)	0.0501	8260B		1	03/20/20 12:30	D0C0376	DC02018
2-Butanone	ND (0.835)	0.568	8260B		1	03/20/20 12:30	D0C0376	DC02018
2-Chlorotoluene	ND (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
2-Hexanone	ND (0.835)	0.250	8260B		1	03/20/20 12:30	D0C0376	DC02018
4-Chlorotoluene	ND (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
4-Isopropyltoluene	**J 0.0200** (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
4-Methyl-2-Pentanone	ND (0.835)	0.267	8260B		1	03/20/20 12:30	D0C0376	DC02018
Acetone	ND (0.835)	0.451	8260B		1	03/20/20 12:30	D0C0376	DC02018
Benzene	**J 0.0200** (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
Bromobenzene	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-2
Date Sampled: 03/18/20 11:50
Percent Solids: 85
Initial Volume: 26.5
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.167)	0.0501	8260B		1	03/20/20 12:30	D0C0376	DC02018
Bromodichloromethane	ND (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
Bromoform	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
Bromomethane	ND (0.167)	0.0668	8260B		1	03/20/20 12:30	D0C0376	DC02018
Carbon Disulfide	ND (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
Carbon Tetrachloride	ND (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
Chlorobenzene	ND (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
Chloroethane	ND (0.167)	0.0668	8260B		1	03/20/20 12:30	D0C0376	DC02018
Chloroform	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
Chloromethane	ND (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
cis-1,2-Dichloroethene	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
cis-1,3-Dichloropropene	ND (0.167)	0.0501	8260B		1	03/20/20 12:30	D0C0376	DC02018
Dibromochloromethane	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
Dibromomethane	ND (0.167)	0.0501	8260B		1	03/20/20 12:30	D0C0376	DC02018
Dichlorodifluoromethane	ND (0.167)	0.0501	8260B		1	03/20/20 12:30	D0C0376	DC02018
Diethyl Ether	ND (0.167)	0.0501	8260B		1	03/20/20 12:30	D0C0376	DC02018
Di-isopropyl ether	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
Ethyl tertiary-butyl ether	ND (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
Ethylbenzene	**J 0.0434** (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
Hexachlorobutadiene	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
Isopropylbenzene	ND (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
Methyl tert-Butyl Ether	ND (0.167)	0.0501	8260B		1	03/20/20 12:30	D0C0376	DC02018
Methylene Chloride	**J 0.0718** (0.334)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
Naphthalene	**3.76** (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
n-Butylbenzene	**J 0.0384** (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
n-Propylbenzene	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
sec-Butylbenzene	ND (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
Styrene	ND (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
tert-Butylbenzene	ND (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
Tertiary-amyl methyl ether	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
Tetrachloroethene	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
Tetrahydrofuran	ND (0.835)	0.267	8260B		1	03/20/20 12:30	D0C0376	DC02018

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-2
Date Sampled: 03/18/20 11:50
Percent Solids: 85
Initial Volume: 26.5
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	**J 0.0217** (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
trans-1,2-Dichloroethene	ND (0.167)	0.0501	8260B		1	03/20/20 12:30	D0C0376	DC02018
trans-1,3-Dichloropropene	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
Trichloroethene	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
Trichlorofluoromethane	ND (0.167)	0.0668	8260B		1	03/20/20 12:30	D0C0376	DC02018
Vinyl Acetate	ND (0.167)	0.0835	8260B		1	03/20/20 12:30	D0C0376	DC02018
Vinyl Chloride	ND (0.167)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
Xylene O	**J 0.0317** (0.167)	0.0167	8260B		1	03/20/20 12:30	D0C0376	DC02018
Xylene P,M	**J 0.0417** (0.334)	0.0334	8260B		1	03/20/20 12:30	D0C0376	DC02018
Xylenes (Total)	ND (0.334)		8260B		1	03/20/20 12:30		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*127 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*123 %*		*70-130*
Surrogate: Dibromofluoromethane	*116 %*		*70-130*
Surrogate: Toluene-d8	*118 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-2
Date Sampled: 03/18/20 11:50
Percent Solids: 85
Initial Volume: 19.3
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ZLC
Prepared: 3/18/20 17:34

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**196** (45.5)		8100M		1	03/19/20 15:40	D0C0341	DC01743

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*95 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-2
Date Sampled: 03/18/20 11:50
Percent Solids: 85
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 3/18/20 17:34

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
1,2,4-Trichlorobenzene	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
1,2-Dichlorobenzene	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
1,3-Dichlorobenzene	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
1,4-Dichlorobenzene	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
2,3,4,6-Tetrachlorophenol	ND (2.04)		8270D		1	03/19/20 6:24	D0C0313	DC01744
2,4,5-Trichlorophenol	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
2,4,6-Trichlorophenol	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
2,4-Dichlorophenol	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
2,4-Dimethylphenol	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
2,4-Dinitrophenol	ND (2.04)		8270D		1	03/19/20 6:24	D0C0313	DC01744
2,4-Dinitrotoluene	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
2,6-Dinitrotoluene	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
2-Chloronaphthalene	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
2-Chlorophenol	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
2-Methylnaphthalene	**1.14** (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
2-Methylphenol	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
2-Nitroaniline	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
2-Nitrophenol	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
3,3′-Dichlorobenzidine	ND (0.814)		8270D		1	03/19/20 6:24	D0C0313	DC01744
3+4-Methylphenol	ND (0.814)		8270D		1	03/19/20 6:24	D0C0313	DC01744
3-Nitroaniline	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
4,6-Dinitro-2-Methylphenol	ND (2.04)		8270D		1	03/19/20 6:24	D0C0313	DC01744
4-Bromophenyl-phenylether	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
4-Chloro-3-Methylphenol	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
4-Chloroaniline	ND (0.814)		8270D		1	03/19/20 6:24	D0C0313	DC01744
4-Chloro-phenyl-phenyl ether	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
4-Nitroaniline	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
4-Nitrophenol	ND (2.04)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Acenaphthene	**0.417** (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Acenaphthylene	**0.537** (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Acetophenone	ND (0.814)		8270D		1	03/19/20 6:24	D0C0313	DC01744

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-2
Date Sampled: 03/18/20 11:50
Percent Solids: 85
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 3/18/20 17:34

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.814)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Anthracene	**0.546** (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Azobenzene	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Benzo(a)anthracene	**0.897** (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Benzo(a)pyrene	**1.07** (0.204)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Benzo(b)fluoranthene	**0.991** (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Benzo(g,h,i)perylene	**0.626** (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Benzo(k)fluoranthene	**0.819** (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Benzoic Acid	ND (2.04)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Benzyl Alcohol	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
bis(2-Chloroethoxy)methane	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
bis(2-Chloroethyl)ether	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
bis(2-chloroisopropyl)Ether	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
bis(2-Ethylhexyl)phthalate	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Butylbenzylphthalate	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Carbazole	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Chrysene	**1.12** (0.204)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Dibenzo(a,h)Anthracene	**0.233** (0.204)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Dibenzofuran	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Diethylphthalate	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Dimethylphthalate	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Di-n-butylphthalate	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Di-n-octylphthalate	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Fluoranthene	**2.18** (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Fluorene	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Hexachlorobenzene	ND (0.204)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Hexachlorobutadiene	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Hexachlorocyclopentadiene	ND (2.04)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Hexachloroethane	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Indeno(1,2,3-cd)Pyrene	**0.585** (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Isophorone	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Naphthalene	**1.64** (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-2
Date Sampled: 03/18/20 11:50
Percent Solids: 85
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 3/18/20 17:34

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
N-Nitrosodimethylamine	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
N-Nitroso-Di-n-Propylamine	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
N-nitrosodiphenylamine	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Pentachlorophenol	ND (2.04)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Phenanthrene	**1.98** (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Phenol	ND (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Pyrene	**2.36** (0.406)		8270D		1	03/19/20 6:24	D0C0313	DC01744
Pyridine	ND (2.04)		8270D		1	03/19/20 6:24	D0C0313	DC01744

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*80 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*30 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*62 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*82 %*		*30-130*
Surrogate: 2-Fluorophenol	*40 %*		*30-130*
Surrogate: Nitrobenzene-d5	*77 %*		*30-130*
Surrogate: Phenol-d6	*76 %*		*30-130*
Surrogate: p-Terphenyl-d14	*101 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-2
Date Sampled: 03/18/20 11:50
Percent Solids: 85

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-02
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	ND (1.14)		9014		1	EEM	03/19/20 14:35	mg/kg dry	DC01921

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP031820-2
Date Sampled: 03/18/20 11:50
Percent Solids: 85
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 20C0580
ESS Laboratory Sample ID: 20C0580-02
Sample Matrix: Soil

Analyst: SUB
Prepared: 3/25/20 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**688** (100)		6010		1	SUB	03/25/20 11:54	mg/kg	DC02510

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20C0580

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DC01826 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
Barium	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
LCS										
Arsenic	185	7.94	mg/kg wet	202.0		92	80-120			
Barium	316	7.94	mg/kg wet	343.0		92	80-120			
Cadmium	129	1.59	mg/kg wet	149.0		87	80-120			
Chromium	166	3.17	mg/kg wet	182.0		91	80-120			
Lead	313	15.9	mg/kg wet	333.0		94	80-120			
Selenium	159	15.9	mg/kg wet	169.0		94	80-120			
Silver	45.2	1.59	mg/kg wet	48.90		92	80-120			
LCS Dup										
Arsenic	187	7.58	mg/kg wet	202.0		93	80-120	1	20	
Barium	336	7.58	mg/kg wet	343.0		98	80-120	6	20	
Cadmium	129	1.52	mg/kg wet	149.0		86	80-120	0.3	20	
Chromium	166	3.03	mg/kg wet	182.0		91	80-120	0.3	20	
Lead	319	15.2	mg/kg wet	333.0		96	80-120	2	20	
Selenium	160	15.2	mg/kg wet	169.0		95	80-120	0.7	20	
Silver	45.0	1.52	mg/kg wet	48.90		92	80-120	0.5	20	
Batch DC01827 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	8.18	0.582	mg/kg wet	7.760		105	80-120			
LCS Dup										
Mercury	8.75	0.660	mg/kg wet	7.760		113	80-120	7	20	
Reference										
Mercury	0.928	0.160	mg/kg wet	1000		0.09	0-200			
5035/8260B Volatile Organic Compounds / Low Level										
Batch DC01938 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20C0580

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DC01938 - 5035										
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DC01938 - 5035										
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0551*		mg/kg wet	*0.05000*		*110*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0492*		mg/kg wet	*0.05000*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0531*		mg/kg wet	*0.05000*		*106*	*70-130*			
Surrogate: Toluene-d8	*0.0486*		mg/kg wet	*0.05000*		*97*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0457	0.0050	mg/kg wet	0.05000		91	70-130			
1,1,1-Trichloroethane	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
1,1,2,2-Tetrachloroethane	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
1,1,2-Trichloroethane	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
1,1-Dichloroethane	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
1,1-Dichloroethene	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
1,1-Dichloropropene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130			
1,2,3-Trichlorobenzene	0.0442	0.0050	mg/kg wet	0.05000		88	70-130			
1,2,3-Trichloropropane	0.0422	0.0050	mg/kg wet	0.05000		84	70-130			
1,2,4-Trichlorobenzene	0.0431	0.0050	mg/kg wet	0.05000		86	70-130			
1,2,4-Trimethylbenzene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
1,2-Dibromo-3-Chloropropane	0.0387	0.0050	mg/kg wet	0.05000		77	70-130			
1,2-Dibromoethane	0.0458	0.0050	mg/kg wet	0.05000		92	70-130			
1,2-Dichlorobenzene	0.0461	0.0050	mg/kg wet	0.05000		92	70-130			
1,2-Dichloroethane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
1,2-Dichloropropane	0.0514	0.0050	mg/kg wet	0.05000		103	70-130			
1,3,5-Trimethylbenzene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130			
1,3-Dichlorobenzene	0.0469	0.0050	mg/kg wet	0.05000		94	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DC01938 - 5035										
1,3-Dichloropropane	0.0488	0.0050	mg/kg wet	0.05000		98	70-130			
1,4-Dichlorobenzene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
1,4-Dioxane	0.850	0.100	mg/kg wet	1.000		85	70-130			
1-Chlorohexane	0.0472	0.0050	mg/kg wet	0.05000		94	70-130			
2,2-Dichloropropane	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
2-Butanone	0.249	0.0500	mg/kg wet	0.2500		100	70-130			
2-Chlorotoluene	0.0488	0.0050	mg/kg wet	0.05000		98	70-130			
2-Hexanone	0.221	0.0500	mg/kg wet	0.2500		88	70-130			
4-Chlorotoluene	0.0486	0.0050	mg/kg wet	0.05000		97	70-130			
4-Isopropyltoluene	0.0475	0.0050	mg/kg wet	0.05000		95	70-130			
4-Methyl-2-Pentanone	0.236	0.0500	mg/kg wet	0.2500		95	70-130			
Acetone	0.244	0.0500	mg/kg wet	0.2500		97	70-130			
Benzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
Bromobenzene	0.0455	0.0050	mg/kg wet	0.05000		91	70-130			
Bromochloromethane	0.0471	0.0050	mg/kg wet	0.05000		94	70-130			
Bromodichloromethane	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
Bromoform	0.0379	0.0050	mg/kg wet	0.05000		76	70-130			
Bromomethane	0.0578	0.0100	mg/kg wet	0.05000		116	70-130			
Carbon Disulfide	0.0531	0.0050	mg/kg wet	0.05000		106	70-130			
Carbon Tetrachloride	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
Chlorobenzene	0.0467	0.0050	mg/kg wet	0.05000		93	70-130			
Chloroethane	0.0494	0.0100	mg/kg wet	0.05000		99	70-130			
Chloroform	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
Chloromethane	0.0472	0.0100	mg/kg wet	0.05000		94	70-130			
cis-1,2-Dichloroethene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
cis-1,3-Dichloropropene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130			
Dibromochloromethane	0.0440	0.0050	mg/kg wet	0.05000		88	70-130			
Dibromomethane	0.0483	0.0050	mg/kg wet	0.05000		97	70-130			
Dichlorodifluoromethane	0.0504	0.0100	mg/kg wet	0.05000		101	70-130			
Diethyl Ether	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
Di-isopropyl ether	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
Ethyl tertiary-butyl ether	0.0467	0.0050	mg/kg wet	0.05000		93	70-130			
Ethylbenzene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130			
Hexachlorobutadiene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
Isopropylbenzene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
Methyl tert-Butyl Ether	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
Methylene Chloride	0.0472	0.0250	mg/kg wet	0.05000		94	70-130			
Naphthalene	0.0440	0.0050	mg/kg wet	0.05000		88	70-130			
n-Butylbenzene	0.0488	0.0050	mg/kg wet	0.05000		98	70-130			
n-Propylbenzene	0.0497	0.0050	mg/kg wet	0.05000		99	70-130			
sec-Butylbenzene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130			
Styrene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
tert-Butylbenzene	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
Tertiary-amyl methyl ether	0.0482	0.0050	mg/kg wet	0.05000		96	70-130			
Tetrachloroethene	0.0464	0.0050	mg/kg wet	0.05000		93	70-130			

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DC01938 - 5035										
Tetrahydrofuran	0.0434	0.0050	mg/kg wet	0.05000		87	70-130			
Toluene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
trans-1,2-Dichloroethene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130			
trans-1,3-Dichloropropene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
Trichloroethene	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
Trichlorofluoromethane	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
Vinyl Acetate	0.0428	0.0050	mg/kg wet	0.05000		86	70-130			
Vinyl Chloride	0.0521	0.0100	mg/kg wet	0.05000		104	70-130			
Xylene O	0.0487	0.0050	mg/kg wet	0.05000		97	70-130			
Xylene P,M	0.0971	0.0100	mg/kg wet	0.1000		97	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0514*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0499*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0512*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.0496*		mg/kg wet	*0.05000*		*99*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0477	0.0050	mg/kg wet	0.05000		95	70-130	4	25	
1,1,1-Trichloroethane	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	1	25	
1,1,2,2-Tetrachloroethane	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	5	25	
1,1,2-Trichloroethane	0.0503	0.0050	mg/kg wet	0.05000		101	70-130	6	25	
1,1-Dichloroethane	0.0520	0.0050	mg/kg wet	0.05000		104	70-130	3	25	
1,1-Dichloroethene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	3	25	
1,1-Dichloropropene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	3	25	
1,2,3-Trichlorobenzene	0.0473	0.0050	mg/kg wet	0.05000		95	70-130	7	25	
1,2,3-Trichloropropane	0.0450	0.0050	mg/kg wet	0.05000		90	70-130	6	25	
1,2,4-Trichlorobenzene	0.0464	0.0050	mg/kg wet	0.05000		93	70-130	7	25	
1,2,4-Trimethylbenzene	0.0514	0.0050	mg/kg wet	0.05000		103	70-130	4	25	
1,2-Dibromo-3-Chloropropane	0.0416	0.0050	mg/kg wet	0.05000		83	70-130	7	25	
1,2-Dibromoethane	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	5	25	
1,2-Dichlorobenzene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130	6	25	
1,2-Dichloroethane	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	4	25	
1,2-Dichloropropane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	2	25	
1,3,5-Trimethylbenzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	5	25	
1,3-Dichlorobenzene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130	4	25	
1,3-Dichloropropane	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	5	25	
1,4-Dichlorobenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	6	25	
1,4-Dioxane	0.942	0.100	mg/kg wet	1.000		94	70-130	10	20	
1-Chlorohexane	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	2	25	
2,2-Dichloropropane	0.0495	0.0050	mg/kg wet	0.05000		99	70-130	3	25	
2-Butanone	0.259	0.0500	mg/kg wet	0.2500		104	70-130	4	25	
2-Chlorotoluene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	3	25	
2-Hexanone	0.227	0.0500	mg/kg wet	0.2500		91	70-130	3	25	
4-Chlorotoluene	0.0508	0.0050	mg/kg wet	0.05000		102	70-130	4	25	
4-Isopropyltoluene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130	3	25	
4-Methyl-2-Pentanone	0.246	0.0500	mg/kg wet	0.2500		98	70-130	4	25	
Acetone	0.240	0.0500	mg/kg wet	0.2500		96	70-130	1	25	

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DC01938 - 5035										
Benzene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	3	25	
Bromobenzene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	6	25	
Bromochloromethane	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	6	25	
Bromodichloromethane	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	5	25	
Bromoform	0.0401	0.0050	mg/kg wet	0.05000		80	70-130	6	25	
Bromomethane	0.0605	0.0100	mg/kg wet	0.05000		121	70-130	5	25	
Carbon Disulfide	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	2	25	
Carbon Tetrachloride	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	2	25	
Chlorobenzene	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	4	25	
Chloroethane	0.0505	0.0100	mg/kg wet	0.05000		101	70-130	2	25	
Chloroform	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	3	25	
Chloromethane	0.0484	0.0100	mg/kg wet	0.05000		97	70-130	2	25	
cis-1,2-Dichloroethene	0.0529	0.0050	mg/kg wet	0.05000		106	70-130	4	25	
cis-1,3-Dichloropropene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	4	25	
Dibromochloromethane	0.0466	0.0050	mg/kg wet	0.05000		93	70-130	6	25	
Dibromomethane	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	6	25	
Dichlorodifluoromethane	0.0512	0.0100	mg/kg wet	0.05000		102	70-130	2	25	
Diethyl Ether	0.0514	0.0050	mg/kg wet	0.05000		103	70-130	5	25	
Di-isopropyl ether	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
Ethyl tertiary-butyl ether	0.0490	0.0050	mg/kg wet	0.05000		98	70-130	5	25	
Ethylbenzene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130	2	25	
Hexachlorobutadiene	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	3	25	
Isopropylbenzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	3	25	
Methyl tert-Butyl Ether	0.0496	0.0050	mg/kg wet	0.05000		99	70-130	5	25	
Methylene Chloride	0.0492	0.0250	mg/kg wet	0.05000		98	70-130	4	25	
Naphthalene	0.0475	0.0050	mg/kg wet	0.05000		95	70-130	8	25	
n-Butylbenzene	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	4	25	
n-Propylbenzene	0.0514	0.0050	mg/kg wet	0.05000		103	70-130	3	25	
sec-Butylbenzene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	3	25	
Styrene	0.0486	0.0050	mg/kg wet	0.05000		97	70-130	3	25	
tert-Butylbenzene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130	4	25	
Tertiary-amyl methyl ether	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	5	25	
Tetrachloroethene	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	4	25	
Tetrahydrofuran	0.0452	0.0050	mg/kg wet	0.05000		90	70-130	4	25	
Toluene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	2	25	
trans-1,2-Dichloroethene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	3	25	
trans-1,3-Dichloropropene	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	6	25	
Trichloroethene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	2	25	
Trichlorofluoromethane	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	1	25	
Vinyl Acetate	0.0454	0.0050	mg/kg wet	0.05000		91	70-130	6	25	
Vinyl Chloride	0.0525	0.0100	mg/kg wet	0.05000		105	70-130	0.8	25	
Xylene O	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	2	25	
Xylene P,M	0.101	0.0100	mg/kg wet	0.1000		101	70-130	4	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0501*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0497*		mg/kg wet	*0.05000*		*99*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20C0580

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DC01938 - 5035										
Surrogate: Dibromofluoromethane	*0.0507*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0496*		mg/kg wet	*0.05000*		*99*	*70-130*			
5035/8260B Volatile Organic Compounds / Methanol										
Batch DC02018 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,1-Trichloroethane	ND	0.200	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,2-Trichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethene	ND	0.200	mg/kg wet							
1,1-Dichloropropene	ND	0.200	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,3-Trichloropropane	ND	0.200	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.200	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	1.00	mg/kg wet							
1,2-Dibromoethane	ND	0.200	mg/kg wet							
1,2-Dichlorobenzene	ND	0.200	mg/kg wet							
1,2-Dichloroethane	ND	0.200	mg/kg wet							
1,2-Dichloropropane	ND	0.200	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.200	mg/kg wet							
1,3-Dichlorobenzene	ND	0.200	mg/kg wet							
1,3-Dichloropropane	ND	0.200	mg/kg wet							
1,4-Dichlorobenzene	ND	0.200	mg/kg wet							
1,4-Dioxane - Screen	ND	40.0	mg/kg wet							
1-Chlorohexane	ND	0.200	mg/kg wet							
2,2-Dichloropropane	ND	0.200	mg/kg wet							
2-Butanone	ND	1.00	mg/kg wet							
2-Chlorotoluene	ND	0.200	mg/kg wet							
2-Hexanone	ND	1.00	mg/kg wet							
4-Chlorotoluene	ND	0.200	mg/kg wet							
4-Isopropyltoluene	ND	0.200	mg/kg wet							
4-Methyl-2-Pentanone	ND	1.00	mg/kg wet							
Acetone	ND	1.00	mg/kg wet							
Benzene	ND	0.200	mg/kg wet							
Bromobenzene	ND	0.200	mg/kg wet							
Bromochloromethane	ND	0.200	mg/kg wet							
Bromodichloromethane	ND	0.200	mg/kg wet							
Bromoform	ND	0.200	mg/kg wet							
Bromomethane	ND	0.200	mg/kg wet							
Carbon Disulfide	ND	0.200	mg/kg wet							
Carbon Tetrachloride	ND	0.200	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DC02018 - 5035										
Chlorobenzene	ND	0.200	mg/kg wet							
Chloroethane	ND	0.200	mg/kg wet							
Chloroform	ND	0.200	mg/kg wet							
Chloromethane	ND	0.200	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.200	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Dibromochloromethane	ND	0.200	mg/kg wet							
Dibromomethane	ND	0.200	mg/kg wet							
Dichlorodifluoromethane	ND	0.200	mg/kg wet							
Diethyl Ether	ND	0.200	mg/kg wet							
Di-isopropyl ether	ND	0.200	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.200	mg/kg wet							
Ethylbenzene	ND	0.200	mg/kg wet							
Hexachlorobutadiene	ND	0.200	mg/kg wet							
Isopropylbenzene	ND	0.200	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.200	mg/kg wet							
Methylene Chloride	ND	0.400	mg/kg wet							
Naphthalene	ND	0.200	mg/kg wet							
n-Butylbenzene	ND	0.200	mg/kg wet							
n-Propylbenzene	ND	0.200	mg/kg wet							
sec-Butylbenzene	ND	0.200	mg/kg wet							
Styrene	ND	0.200	mg/kg wet							
tert-Butylbenzene	ND	0.200	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.200	mg/kg wet							
Tetrachloroethene	ND	0.200	mg/kg wet							
Tetrahydrofuran	ND	1.00	mg/kg wet							
Toluene	ND	0.200	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.200	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Trichloroethene	ND	0.200	mg/kg wet							
Trichlorofluoromethane	ND	0.200	mg/kg wet							
Vinyl Acetate	ND	0.200	mg/kg wet							
Vinyl Chloride	ND	0.200	mg/kg wet							
Xylene O	ND	0.200	mg/kg wet							
Xylene P,M	ND	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*4.93*		mg/kg wet	*5.000*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.53*		mg/kg wet	*5.000*		*91*	*70-130*			
Surrogate: Dibromofluoromethane	*4.73*		mg/kg wet	*5.000*		*95*	*70-130*			
Surrogate: Toluene-d8	*4.73*		mg/kg wet	*5.000*		*95*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	1.88	0.200	mg/kg wet	2.000		94	70-130			
1,1,1-Trichloroethane	1.84	0.200	mg/kg wet	2.000		92	70-130			
1,1,2,2-Tetrachloroethane	1.88	0.200	mg/kg wet	2.000		94	70-130			
1,1,2-Trichloroethane	1.82	0.200	mg/kg wet	2.000		91	70-130			
1,1-Dichloroethane	1.75	0.200	mg/kg wet	2.000		87	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 20C0580

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DC02018 - 5035										
1,1-Dichloroethene	1.71	0.200	mg/kg wet	2.000		86	70-130			
1,1-Dichloropropene	1.87	0.200	mg/kg wet	2.000		93	70-130			
1,2,3-Trichlorobenzene	1.98	0.200	mg/kg wet	2.000		99	70-130			
1,2,3-Trichloropropane	1.95	0.200	mg/kg wet	2.000		97	70-130			
1,2,4-Trichlorobenzene	1.97	0.200	mg/kg wet	2.000		99	70-130			
1,2,4-Trimethylbenzene	1.98	0.200	mg/kg wet	2.000		99	70-130			
1,2-Dibromo-3-Chloropropane	1.62	1.00	mg/kg wet	2.000		81	70-130			
1,2-Dibromoethane	2.02	0.200	mg/kg wet	2.000		101	70-130			
1,2-Dichlorobenzene	1.94	0.200	mg/kg wet	2.000		97	70-130			
1,2-Dichloroethane	1.88	0.200	mg/kg wet	2.000		94	70-130			
1,2-Dichloropropane	1.79	0.200	mg/kg wet	2.000		90	70-130			
1,3,5-Trimethylbenzene	1.91	0.200	mg/kg wet	2.000		95	70-130			
1,3-Dichlorobenzene	1.95	0.200	mg/kg wet	2.000		98	70-130			
1,3-Dichloropropane	2.06	0.200	mg/kg wet	2.000		103	70-130			
1,4-Dichlorobenzene	2.01	0.200	mg/kg wet	2.000		101	70-130			
1,4-Dioxane - Screen	56.0	40.0	mg/kg wet	40.00		140	44-241			
1-Chlorohexane	1.91	0.200	mg/kg wet	2.000		95	70-130			
2,2-Dichloropropane	1.83	0.200	mg/kg wet	2.000		92	70-130			
2-Butanone	9.52	1.00	mg/kg wet	10.00		95	70-130			
2-Chlorotoluene	1.91	0.200	mg/kg wet	2.000		96	70-130			
2-Hexanone	8.95	1.00	mg/kg wet	10.00		90	70-130			
4-Chlorotoluene	1.94	0.200	mg/kg wet	2.000		97	70-130			
4-Isopropyltoluene	1.94	0.200	mg/kg wet	2.000		97	70-130			
4-Methyl-2-Pentanone	9.26	1.00	mg/kg wet	10.00		93	70-130			
Acetone	9.55	1.00	mg/kg wet	10.00		95	70-130			
Benzene	1.84	0.200	mg/kg wet	2.000		92	70-130			
Bromobenzene	2.00	0.200	mg/kg wet	2.000		100	70-130			
Bromochloromethane	1.87	0.200	mg/kg wet	2.000		93	70-130			
Bromodichloromethane	1.80	0.200	mg/kg wet	2.000		90	70-130			
Bromoform	1.54	0.200	mg/kg wet	2.000		77	70-130			
Bromomethane	1.87	0.200	mg/kg wet	2.000		94	70-130			
Carbon Disulfide	1.88	0.200	mg/kg wet	2.000		94	70-130			
Carbon Tetrachloride	1.94	0.200	mg/kg wet	2.000		97	70-130			
Chlorobenzene	1.97	0.200	mg/kg wet	2.000		98	70-130			
Chloroethane	1.74	0.200	mg/kg wet	2.000		87	70-130			
Chloroform	1.82	0.200	mg/kg wet	2.000		91	70-130			
Chloromethane	1.87	0.200	mg/kg wet	2.000		94	70-130			
cis-1,2-Dichloroethene	1.76	0.200	mg/kg wet	2.000		88	70-130			
cis-1,3-Dichloropropene	1.93	0.200	mg/kg wet	2.000		96	70-130			
Dibromochloromethane	1.66	0.200	mg/kg wet	2.000		83	70-130			
Dibromomethane	1.75	0.200	mg/kg wet	2.000		88	70-130			
Dichlorodifluoromethane	1.85	0.200	mg/kg wet	2.000		92	70-130			
Diethyl Ether	1.80	0.200	mg/kg wet	2.000		90	70-130			
Di-isopropyl ether	1.79	0.200	mg/kg wet	2.000		90	70-130			
Ethyl tertiary-butyl ether	1.71	0.200	mg/kg wet	2.000		85	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20C0580

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DC02018 - 5035										
Ethylbenzene	1.93	0.200	mg/kg wet	2.000		97	70-130			
Hexachlorobutadiene	2.44	0.200	mg/kg wet	2.000		122	70-130			
Isopropylbenzene	1.90	0.200	mg/kg wet	2.000		95	70-130			
Methyl tert-Butyl Ether	1.79	0.200	mg/kg wet	2.000		90	70-130			
Methylene Chloride	1.87	0.400	mg/kg wet	2.000		93	70-130			
Naphthalene	1.95	0.200	mg/kg wet	2.000		97	70-130			
n-Butylbenzene	1.90	0.200	mg/kg wet	2.000		95	70-130			
n-Propylbenzene	1.93	0.200	mg/kg wet	2.000		96	70-130			
sec-Butylbenzene	1.89	0.200	mg/kg wet	2.000		94	70-130			
Styrene	1.88	0.200	mg/kg wet	2.000		94	70-130			
tert-Butylbenzene	2.00	0.200	mg/kg wet	2.000		100	70-130			
Tertiary-amyl methyl ether	1.87	0.200	mg/kg wet	2.000		94	70-130			
Tetrachloroethene	1.94	0.200	mg/kg wet	2.000		97	70-130			
Tetrahydrofuran	1.59	1.00	mg/kg wet	2.000		79	70-130			
Toluene	1.76	0.200	mg/kg wet	2.000		88	70-130			
trans-1,2-Dichloroethene	1.86	0.200	mg/kg wet	2.000		93	70-130			
trans-1,3-Dichloropropene	1.60	0.200	mg/kg wet	2.000		80	70-130			
Trichloroethene	1.89	0.200	mg/kg wet	2.000		94	70-130			
Trichlorofluoromethane	2.09	0.200	mg/kg wet	2.000		105	70-130			
Vinyl Acetate	1.77	0.200	mg/kg wet	2.000		88	70-130			
Vinyl Chloride	1.73	0.200	mg/kg wet	2.000		87	70-130			
Xylene O	1.92	0.200	mg/kg wet	2.000		96	70-130			
Xylene P,M	3.81	0.400	mg/kg wet	4.000		95	70-130			
Surrogate: 1,2-Dichloroethane-d4	*4.93*		mg/kg wet	*5.000*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.94*		mg/kg wet	*5.000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*5.01*		mg/kg wet	*5.000*		*100*	*70-130*			
Surrogate: Toluene-d8	*4.95*		mg/kg wet	*5.000*		*99*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	1.80	0.200	mg/kg wet	2.000		90	70-130	4	25	
1,1,1-Trichloroethane	1.75	0.200	mg/kg wet	2.000		88	70-130	5	25	
1,1,2,2-Tetrachloroethane	1.83	0.200	mg/kg wet	2.000		92	70-130	3	25	
1,1,2-Trichloroethane	1.78	0.200	mg/kg wet	2.000		89	70-130	2	25	
1,1-Dichloroethane	1.76	0.200	mg/kg wet	2.000		88	70-130	0.5	25	
1,1-Dichloroethene	1.75	0.200	mg/kg wet	2.000		88	70-130	2	25	
1,1-Dichloropropene	1.83	0.200	mg/kg wet	2.000		92	70-130	2	25	
1,2,3-Trichlorobenzene	1.88	0.200	mg/kg wet	2.000		94	70-130	5	25	
1,2,3-Trichloropropane	1.85	0.200	mg/kg wet	2.000		93	70-130	5	25	
1,2,4-Trichlorobenzene	1.87	0.200	mg/kg wet	2.000		93	70-130	6	25	
1,2,4-Trimethylbenzene	1.95	0.200	mg/kg wet	2.000		98	70-130	1	25	
1,2-Dibromo-3-Chloropropane	1.53	1.00	mg/kg wet	2.000		76	70-130	6	25	
1,2-Dibromoethane	1.86	0.200	mg/kg wet	2.000		93	70-130	8	25	
1,2-Dichlorobenzene	2.00	0.200	mg/kg wet	2.000		100	70-130	3	25	
1,2-Dichloroethane	1.85	0.200	mg/kg wet	2.000		92	70-130	2	25	
1,2-Dichloropropane	1.74	0.200	mg/kg wet	2.000		87	70-130	3	25	
1,3,5-Trimethylbenzene	1.86	0.200	mg/kg wet	2.000		93	70-130	2	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20C0580

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DC02018 - 5035										
1,3-Dichlorobenzene	2.01	0.200	mg/kg wet	2.000		100	70-130	3	25	
1,3-Dichloropropane	1.94	0.200	mg/kg wet	2.000		97	70-130	6	25	
1,4-Dichlorobenzene	1.99	0.200	mg/kg wet	2.000		100	70-130	1	25	
1,4-Dioxane - Screen	42.9	40.0	mg/kg wet	40.00		107	44-241	26	200	
1-Chlorohexane	1.79	0.200	mg/kg wet	2.000		90	70-130	6	25	
2,2-Dichloropropane	1.83	0.200	mg/kg wet	2.000		91	70-130	0.3	25	
2-Butanone	9.10	1.00	mg/kg wet	10.00		91	70-130	5	25	
2-Chlorotoluene	2.01	0.200	mg/kg wet	2.000		101	70-130	5	25	
2-Hexanone	8.59	1.00	mg/kg wet	10.00		86	70-130	4	25	
4-Chlorotoluene	1.98	0.200	mg/kg wet	2.000		99	70-130	2	25	
4-Isopropyltoluene	1.89	0.200	mg/kg wet	2.000		94	70-130	3	25	
4-Methyl-2-Pentanone	8.55	1.00	mg/kg wet	10.00		86	70-130	8	25	
Acetone	8.00	1.00	mg/kg wet	10.00		80	70-130	18	25	
Benzene	1.90	0.200	mg/kg wet	2.000		95	70-130	3	25	
Bromobenzene	2.00	0.200	mg/kg wet	2.000		100	70-130	0	25	
Bromochloromethane	1.86	0.200	mg/kg wet	2.000		93	70-130	0.3	25	
Bromodichloromethane	1.79	0.200	mg/kg wet	2.000		89	70-130	0.6	25	
Bromoform	1.40	0.200	mg/kg wet	2.000		70	70-130	9	25	
Bromomethane	1.97	0.200	mg/kg wet	2.000		98	70-130	5	25	
Carbon Disulfide	1.87	0.200	mg/kg wet	2.000		93	70-130	0.4	25	
Carbon Tetrachloride	1.85	0.200	mg/kg wet	2.000		92	70-130	5	25	
Chlorobenzene	1.96	0.200	mg/kg wet	2.000		98	70-130	0.5	25	
Chloroethane	1.90	0.200	mg/kg wet	2.000		95	70-130	8	25	
Chloroform	1.91	0.200	mg/kg wet	2.000		96	70-130	5	25	
Chloromethane	1.83	0.200	mg/kg wet	2.000		92	70-130	2	25	
cis-1,2-Dichloroethene	1.76	0.200	mg/kg wet	2.000		88	70-130	0.1	25	
cis-1,3-Dichloropropene	1.98	0.200	mg/kg wet	2.000		99	70-130	3	25	
Dibromochloromethane	1.73	0.200	mg/kg wet	2.000		87	70-130	4	25	
Dibromomethane	1.74	0.200	mg/kg wet	2.000		87	70-130	0.9	25	
Dichlorodifluoromethane	1.87	0.200	mg/kg wet	2.000		94	70-130	1	25	
Diethyl Ether	1.87	0.200	mg/kg wet	2.000		93	70-130	3	25	
Di-isopropyl ether	1.82	0.200	mg/kg wet	2.000		91	70-130	1	25	
Ethyl tertiary-butyl ether	1.67	0.200	mg/kg wet	2.000		84	70-130	2	25	
Ethylbenzene	1.89	0.200	mg/kg wet	2.000		94	70-130	2	25	
Hexachlorobutadiene	2.17	0.200	mg/kg wet	2.000		108	70-130	12	25	
Isopropylbenzene	1.95	0.200	mg/kg wet	2.000		97	70-130	2	25	
Methyl tert-Butyl Ether	1.71	0.200	mg/kg wet	2.000		86	70-130	4	25	
Methylene Chloride	1.88	0.400	mg/kg wet	2.000		94	70-130	0.6	25	
Naphthalene	1.81	0.200	mg/kg wet	2.000		90	70-130	7	25	
n-Butylbenzene	1.88	0.200	mg/kg wet	2.000		94	70-130	1	25	
n-Propylbenzene	1.95	0.200	mg/kg wet	2.000		97	70-130	1	25	
sec-Butylbenzene	1.90	0.200	mg/kg wet	2.000		95	70-130	0.5	25	
Styrene	1.91	0.200	mg/kg wet	2.000		95	70-130	2	25	
tert-Butylbenzene	1.97	0.200	mg/kg wet	2.000		98	70-130	1	25	
Tertiary-amyl methyl ether	1.73	0.200	mg/kg wet	2.000		87	70-130	8	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20C0580

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DC02018 - 5035										
Tetrachloroethene	1.96	0.200	mg/kg wet	2.000		98	70-130	0.8	25	
Tetrahydrofuran	1.74	1.00	mg/kg wet	2.000		87	70-130	9	25	
Toluene	1.83	0.200	mg/kg wet	2.000		92	70-130	4	25	
trans-1,2-Dichloroethene	1.85	0.200	mg/kg wet	2.000		92	70-130	0.5	25	
trans-1,3-Dichloropropene	1.55	0.200	mg/kg wet	2.000		77	70-130	4	25	
Trichloroethene	1.82	0.200	mg/kg wet	2.000		91	70-130	4	25	
Trichlorofluoromethane	1.95	0.200	mg/kg wet	2.000		97	70-130	7	25	
Vinyl Acetate	1.73	0.200	mg/kg wet	2.000		86	70-130	2	25	
Vinyl Chloride	1.70	0.200	mg/kg wet	2.000		85	70-130	2	25	
Xylene O	1.96	0.200	mg/kg wet	2.000		98	70-130	2	25	
Xylene P,M	3.88	0.400	mg/kg wet	4.000		97	70-130	2	25	
Surrogate: 1,2-Dichloroethane-d4	*4.95*		mg/kg wet	*5.000*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.68*		mg/kg wet	*5.000*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*4.97*		mg/kg wet	*5.000*		*99*	*70-130*			
Surrogate: Toluene-d8	*4.98*		mg/kg wet	*5.000*		*100*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch DC01743 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.67*		mg/kg wet	*5.000*		*93*	*40-140*			
LCS										
Decane (C10)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Docosane (C22)	2.5	0.2	mg/kg wet	2.500		101	40-140			
Dodecane (C12)	2.3	0.2	mg/kg wet	2.500		90	40-140			
Eicosane (C20)	2.5	0.2	mg/kg wet	2.500		100	40-140			
Hexacosane (C26)	2.5	0.2	mg/kg wet	2.500		101	40-140			
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		94	40-140			
Nonadecane (C19)	2.5	0.2	mg/kg wet	2.500		99	40-140			
Nonane (C9)	1.9	0.2	mg/kg wet	2.500		75	30-140			
Octacosane (C28)	2.5	0.2	mg/kg wet	2.500		101	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DC01743 - 3546										
Octadecane (C18)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Tetracosane (C24)	2.5	0.2	mg/kg wet	2.500		101	40-140			
Tetradecane (C14)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Total Petroleum Hydrocarbons	33.6	37.5	mg/kg wet	35.00		96	40-140			
Triacontane (C30)	2.5	0.2	mg/kg wet	2.500		100	40-140			
Surrogate: O-Terphenyl	*5.07*		mg/kg wet	*5.000*		*101*	*40-140*			
LCS Dup										
Decane (C10)	2.2	0.2	mg/kg wet	2.500		88	40-140	4	25	
Docosane (C22)	2.6	0.2	mg/kg wet	2.500		103	40-140	2	25	
Dodecane (C12)	2.3	0.2	mg/kg wet	2.500		93	40-140	3	25	
Eicosane (C20)	2.5	0.2	mg/kg wet	2.500		102	40-140	2	25	
Hexacosane (C26)	2.6	0.2	mg/kg wet	2.500		102	40-140	2	25	
Hexadecane (C16)	2.4	0.2	mg/kg wet	2.500		97	40-140	3	25	
Nonadecane (C19)	2.5	0.2	mg/kg wet	2.500		102	40-140	3	25	
Nonane (C9)	2.0	0.2	mg/kg wet	2.500		78	30-140	4	25	
Octacosane (C28)	2.6	0.2	mg/kg wet	2.500		103	40-140	2	25	
Octadecane (C18)	2.5	0.2	mg/kg wet	2.500		99	40-140	3	25	
Tetracosane (C24)	2.6	0.2	mg/kg wet	2.500		103	40-140	2	25	
Tetradecane (C14)	2.4	0.2	mg/kg wet	2.500		95	40-140	3	25	
Total Petroleum Hydrocarbons	34.4	37.5	mg/kg wet	35.00		98	40-140	3	25	
Triacontane (C30)	2.5	0.2	mg/kg wet	2.500		101	40-140	2	25	
Surrogate: O-Terphenyl	*5.24*		mg/kg wet	*5.000*		*105*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DC01744 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DC01744 - 3546										
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DC01744 - 3546										
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.34*		mg/kg wet	*3.333*		*70*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.41*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.58*		mg/kg wet	*5.000*		*72*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.46*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*3.68*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.40*		mg/kg wet	*3.333*		*72*	*30-130*			
Surrogate: Phenol-d6	*3.63*		mg/kg wet	*5.000*		*73*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.46*		mg/kg wet	*3.333*		*104*	*30-130*			
LCS										
1,1-Biphenyl	2.52	0.333	mg/kg wet	3.333		76	40-140			
1,2,4-Trichlorobenzene	2.33	0.333	mg/kg wet	3.333		70	40-140			
1,2-Dichlorobenzene	2.23	0.333	mg/kg wet	3.333		67	40-140			
1,3-Dichlorobenzene	2.24	0.333	mg/kg wet	3.333		67	40-140			
1,4-Dichlorobenzene	2.22	0.333	mg/kg wet	3.333		67	40-140			
2,3,4,6-Tetrachlorophenol	2.77	1.67	mg/kg wet	3.333		83	30-130			
2,4,5-Trichlorophenol	2.80	0.333	mg/kg wet	3.333		84	30-130			
2,4,6-Trichlorophenol	2.72	0.333	mg/kg wet	3.333		82	30-130			
2,4-Dichlorophenol	2.57	0.333	mg/kg wet	3.333		77	30-130			
2,4-Dimethylphenol	2.56	0.333	mg/kg wet	3.333		77	30-130			
2,4-Dinitrophenol	3.93	1.67	mg/kg wet	3.333		118	30-130			
2,4-Dinitrotoluene	3.26	0.333	mg/kg wet	3.333		98	40-140			
2,6-Dinitrotoluene	2.94	0.333	mg/kg wet	3.333		88	40-140			
2-Chloronaphthalene	2.47	0.333	mg/kg wet	3.333		74	40-140			
2-Chlorophenol	2.37	0.333	mg/kg wet	3.333		71	30-130			
2-Methylnaphthalene	2.40	0.333	mg/kg wet	3.333		72	40-140			
2-Methylphenol	2.39	0.333	mg/kg wet	3.333		72	30-130			
2-Nitroaniline	2.84	0.333	mg/kg wet	3.333		85	40-140			
2-Nitrophenol	2.27	0.333	mg/kg wet	3.333		68	30-130			
3,3´-Dichlorobenzidine	2.20	0.667	mg/kg wet	3.333		66	40-140			
3+4-Methylphenol	4.94	0.667	mg/kg wet	6.667		74	30-130			
3-Nitroaniline	2.45	0.333	mg/kg wet	3.333		73	40-140			
4,6-Dinitro-2-Methylphenol	3.94	1.67	mg/kg wet	3.333		118	30-130			
4-Bromophenyl-phenylether	2.91	0.333	mg/kg wet	3.333		87	40-140			
4-Chloro-3-Methylphenol	2.76	0.333	mg/kg wet	3.333		83	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DC01744 - 3546										
4-Chloroaniline	1.10	0.667	mg/kg wet	3.333		33	40-140			B-
4-Chloro-phenyl-phenyl ether	2.76	0.333	mg/kg wet	3.333		83	40-140			
4-Nitroaniline	2.95	0.333	mg/kg wet	3.333		88	40-140			
4-Nitrophenol	2.97	1.67	mg/kg wet	3.333		89	30-130			
Acenaphthene	2.56	0.333	mg/kg wet	3.333		77	40-140			
Acenaphthylene	2.39	0.333	mg/kg wet	3.333		72	40-140			
Acetophenone	2.32	0.667	mg/kg wet	3.333		70	40-140			
Aniline	1.67	0.667	mg/kg wet	3.333		50	40-140			
Anthracene	2.96	0.333	mg/kg wet	3.333		89	40-140			
Azobenzene	2.82	0.333	mg/kg wet	3.333		85	40-140			
Benzo(a)anthracene	3.22	0.333	mg/kg wet	3.333		97	40-140			
Benzo(a)pyrene	3.35	0.167	mg/kg wet	3.333		101	40-140			
Benzo(b)fluoranthene	3.28	0.333	mg/kg wet	3.333		98	40-140			
Benzo(g,h,i)perylene	3.30	0.333	mg/kg wet	3.333		99	40-140			
Benzo(k)fluoranthene	3.25	0.333	mg/kg wet	3.333		98	40-140			
Benzoic Acid	3.43	1.67	mg/kg wet	3.333		103	40-140			
Benzyl Alcohol	1.81	0.333	mg/kg wet	3.333		54	40-140			
bis(2-Chloroethoxy)methane	2.42	0.333	mg/kg wet	3.333		73	40-140			
bis(2-Chloroethyl)ether	2.29	0.333	mg/kg wet	3.333		69	40-140			
bis(2-chloroisopropyl)Ether	2.28	0.333	mg/kg wet	3.333		68	40-140			
bis(2-Ethylhexyl)phthalate	3.14	0.333	mg/kg wet	3.333		94	40-140			
Butylbenzylphthalate	3.37	0.333	mg/kg wet	3.333		101	40-140			
Carbazole	3.18	0.333	mg/kg wet	3.333		95	40-140			
Chrysene	3.25	0.167	mg/kg wet	3.333		97	40-140			
Dibenzo(a,h)Anthracene	3.26	0.167	mg/kg wet	3.333		98	40-140			
Dibenzofuran	2.63	0.333	mg/kg wet	3.333		79	40-140			
Diethylphthalate	2.97	0.333	mg/kg wet	3.333		89	40-140			
Dimethylphthalate	2.83	0.333	mg/kg wet	3.333		85	40-140			
Di-n-butylphthalate	3.28	0.333	mg/kg wet	3.333		98	40-140			
Di-n-octylphthalate	2.98	0.333	mg/kg wet	3.333		90	40-140			
Fluoranthene	3.19	0.333	mg/kg wet	3.333		96	40-140			
Fluorene	2.86	0.333	mg/kg wet	3.333		86	40-140			
Hexachlorobenzene	2.94	0.167	mg/kg wet	3.333		88	40-140			
Hexachlorobutadiene	2.35	0.333	mg/kg wet	3.333		70	40-140			
Hexachlorocyclopentadiene	1.68	1.67	mg/kg wet	3.333		50	40-140			
Hexachloroethane	2.23	0.333	mg/kg wet	3.333		67	40-140			
Indeno(1,2,3-cd)Pyrene	3.31	0.333	mg/kg wet	3.333		99	40-140			
Isophorone	2.05	0.333	mg/kg wet	3.333		62	40-140			
Naphthalene	2.34	0.333	mg/kg wet	3.333		70	40-140			
Nitrobenzene	2.29	0.333	mg/kg wet	3.333		69	40-140			
N-Nitrosodimethylamine	2.10	0.333	mg/kg wet	3.333		63	40-140			
N-Nitroso-Di-n-Propylamine	2.39	0.333	mg/kg wet	3.333		72	40-140			
N-nitrosodiphenylamine	2.92	0.333	mg/kg wet	3.333		88	40-140			
Pentachlorophenol	3.58	1.67	mg/kg wet	3.333		107	30-130			
Phenanthrene	2.98	0.333	mg/kg wet	3.333		90	40-140			

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Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 20C0580

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DC01744 - 3546										
Phenol	2.40	0.333	mg/kg wet	3.333		72	30-130			
Pyrene	3.20	0.333	mg/kg wet	3.333		96	40-140			
Pyridine	2.28	1.67	mg/kg wet	3.333		68	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.35*		mg/kg wet	*3.333*		*71*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.62*		mg/kg wet	*5.000*		*92*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.71*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.67*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: 2-Fluorophenol	*3.76*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.49*		mg/kg wet	*3.333*		*75*	*30-130*			
Surrogate: Phenol-d6	*3.78*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.43*		mg/kg wet	*3.333*		*103*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.48	0.333	mg/kg wet	3.333		74	40-140	1	30	
1,2,4-Trichlorobenzene	2.29	0.333	mg/kg wet	3.333		69	40-140	2	30	
1,2-Dichlorobenzene	2.23	0.333	mg/kg wet	3.333		67	40-140	0.2	30	
1,3-Dichlorobenzene	2.22	0.333	mg/kg wet	3.333		67	40-140	0.6	30	
1,4-Dichlorobenzene	2.23	0.333	mg/kg wet	3.333		67	40-140	0.4	30	
2,3,4,6-Tetrachlorophenol	2.68	1.67	mg/kg wet	3.333		80	30-130	3	30	
2,4,5-Trichlorophenol	2.71	0.333	mg/kg wet	3.333		81	30-130	3	30	
2,4,6-Trichlorophenol	2.63	0.333	mg/kg wet	3.333		79	30-130	3	30	
2,4-Dichlorophenol	2.48	0.333	mg/kg wet	3.333		74	30-130	3	30	
2,4-Dimethylphenol	2.51	0.333	mg/kg wet	3.333		75	30-130	2	30	
2,4-Dinitrophenol	3.82	1.67	mg/kg wet	3.333		115	30-130	3	30	
2,4-Dinitrotoluene	3.19	0.333	mg/kg wet	3.333		96	40-140	2	30	
2,6-Dinitrotoluene	2.84	0.333	mg/kg wet	3.333		85	40-140	4	30	
2-Chloronaphthalene	2.40	0.333	mg/kg wet	3.333		72	40-140	3	30	
2-Chlorophenol	2.31	0.333	mg/kg wet	3.333		69	30-130	2	30	
2-Methylnaphthalene	2.34	0.333	mg/kg wet	3.333		70	40-140	3	30	
2-Methylphenol	2.32	0.333	mg/kg wet	3.333		70	30-130	3	30	
2-Nitroaniline	2.76	0.333	mg/kg wet	3.333		83	40-140	3	30	
2-Nitrophenol	2.24	0.333	mg/kg wet	3.333		67	30-130	1	30	
3,3´-Dichlorobenzidine	1.93	0.667	mg/kg wet	3.333		58	40-140	13	30	
3+4-Methylphenol	4.77	0.667	mg/kg wet	6.667		72	30-130	4	30	
3-Nitroaniline	2.10	0.333	mg/kg wet	3.333		63	40-140	15	30	
4,6-Dinitro-2-Methylphenol	3.84	1.67	mg/kg wet	3.333		115	30-130	3	30	
4-Bromophenyl-phenylether	2.89	0.333	mg/kg wet	3.333		87	40-140	0.7	30	
4-Chloro-3-Methylphenol	2.67	0.333	mg/kg wet	3.333		80	30-130	3	30	
4-Chloroaniline	0.796	0.667	mg/kg wet	3.333		24	40-140	32	30	B-, D+
4-Chloro-phenyl-phenyl ether	2.68	0.333	mg/kg wet	3.333		80	40-140	3	30	
4-Nitroaniline	2.81	0.333	mg/kg wet	3.333		84	40-140	5	30	
4-Nitrophenol	2.81	1.67	mg/kg wet	3.333		84	30-130	5	30	
Acenaphthene	2.47	0.333	mg/kg wet	3.333		74	40-140	4	30	
Acenaphthylene	2.33	0.333	mg/kg wet	3.333		70	40-140	3	30	
Acetophenone	2.27	0.667	mg/kg wet	3.333		68	40-140	2	30	
Aniline	1.47	0.667	mg/kg wet	3.333		44	40-140	13	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20C0580

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DC01744 - 3546										
Anthracene	2.91	0.333	mg/kg wet	3.333		87	40-140	2	30	
Azobenzene	2.85	0.333	mg/kg wet	3.333		85	40-140	0.9	30	
Benzo(a)anthracene	3.19	0.333	mg/kg wet	3.333		96	40-140	0.8	30	
Benzo(a)pyrene	3.38	0.167	mg/kg wet	3.333		102	40-140	0.9	30	
Benzo(b)fluoranthene	3.25	0.333	mg/kg wet	3.333		98	40-140	0.7	30	
Benzo(g,h,i)perylene	3.32	0.333	mg/kg wet	3.333		100	40-140	0.4	30	
Benzo(k)fluoranthene	3.32	0.333	mg/kg wet	3.333		100	40-140	2	30	
Benzoic Acid	3.35	1.67	mg/kg wet	3.333		100	40-140	2	30	
Benzyl Alcohol	1.83	0.333	mg/kg wet	3.333		55	40-140	0.9	30	
bis(2-Chloroethoxy)methane	2.38	0.333	mg/kg wet	3.333		71	40-140	2	30	
bis(2-Chloroethyl)ether	2.27	0.333	mg/kg wet	3.333		68	40-140	1	30	
bis(2-chloroisopropyl)Ether	2.24	0.333	mg/kg wet	3.333		67	40-140	2	30	
bis(2-Ethylhexyl)phthalate	3.14	0.333	mg/kg wet	3.333		94	40-140	0.08	30	
Butylbenzylphthalate	3.39	0.333	mg/kg wet	3.333		102	40-140	0.7	30	
Carbazole	3.06	0.333	mg/kg wet	3.333		92	40-140	4	30	
Chrysene	3.20	0.167	mg/kg wet	3.333		96	40-140	1	30	
Dibenzo(a,h)Anthracene	3.30	0.167	mg/kg wet	3.333		99	40-140	1	30	
Dibenzofuran	2.57	0.333	mg/kg wet	3.333		77	40-140	2	30	
Diethylphthalate	2.93	0.333	mg/kg wet	3.333		88	40-140	1	30	
Dimethylphthalate	2.74	0.333	mg/kg wet	3.333		82	40-140	3	30	
Di-n-butylphthalate	3.20	0.333	mg/kg wet	3.333		96	40-140	2	30	
Di-n-octylphthalate	3.05	0.333	mg/kg wet	3.333		92	40-140	2	30	
Fluoranthene	3.07	0.333	mg/kg wet	3.333		92	40-140	4	30	
Fluorene	2.77	0.333	mg/kg wet	3.333		83	40-140	3	30	
Hexachlorobenzene	2.86	0.167	mg/kg wet	3.333		86	40-140	3	30	
Hexachlorobutadiene	2.34	0.333	mg/kg wet	3.333		70	40-140	0.1	30	
Hexachlorocyclopentadiene	1.73	1.67	mg/kg wet	3.333		52	40-140	3	30	
Hexachloroethane	2.26	0.333	mg/kg wet	3.333		68	40-140	1	30	
Indeno(1,2,3-cd)Pyrene	3.34	0.333	mg/kg wet	3.333		100	40-140	0.8	30	
Isophorone	2.06	0.333	mg/kg wet	3.333		62	40-140	0.05	30	
Naphthalene	2.29	0.333	mg/kg wet	3.333		69	40-140	2	30	
Nitrobenzene	2.27	0.333	mg/kg wet	3.333		68	40-140	0.8	30	
N-Nitrosodimethylamine	2.12	0.333	mg/kg wet	3.333		64	40-140	1	30	
N-Nitroso-Di-n-Propylamine	2.34	0.333	mg/kg wet	3.333		70	40-140	2	30	
N-nitrosodiphenylamine	2.90	0.333	mg/kg wet	3.333		87	40-140	0.8	30	
Pentachlorophenol	3.47	1.67	mg/kg wet	3.333		104	30-130	3	30	
Phenanthrene	2.91	0.333	mg/kg wet	3.333		87	40-140	2	30	
Phenol	2.33	0.333	mg/kg wet	3.333		70	30-130	3	30	
Pyrene	3.22	0.333	mg/kg wet	3.333		96	40-140	0.4	30	
Pyridine	2.24	1.67	mg/kg wet	3.333		67	40-140	2	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.32*		mg/kg wet	*3.333*		*70*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.48*		mg/kg wet	*5.000*		*90*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.57*		mg/kg wet	*5.000*		*71*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.57*		mg/kg wet	*3.333*		*77*	*30-130*			
Surrogate: 2-Fluorophenol	*3.62*		mg/kg wet	*5.000*		*72*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.39*		mg/kg wet	*3.333*		*72*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20C0580

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DC01744 - 3546										
Surrogate: Phenol-d6	*3.57*		mg/kg wet	*5.000*		*71*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.37*		mg/kg wet	*3.333*		*101*	*30-130*			
Classical Chemistry										
Batch DC01921 - TCN Prep										
Blank										
Total Cyanide	ND	1.00	mg/kg wet							
LCS										
Total Cyanide	5.03	1.00	mg/kg wet	5.015		100	90-110			
Reference										
Total Cyanide	140	9.79	mg/kg wet	157.0		89	24-110			
Reference										
Total Cyanide	142	9.83	mg/kg wet	157.0		91	24-110			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20C0580

Notes and Definitions

U	Analyte included in the analysis, but not detected
SC	Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results (SC).
S-	Surrogate recovery(ies) below lower control limit (S-).
Q	Calibration required quadratic regression (Q).
J	Reported between MDL and MRL
ICV-	Initial Calibration Verification recovery is below lower control limit (ICV-).
E	Reported above the quantitation limit; Estimated value (E).
D+	Relative percent difference for duplicate is outside of criteria (D+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20C0580

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

Sterling Analytical, Inc.
15 Agawam Avenue
West Springfield, MA 01089
Phone (413) 214-6541 Fax (413) 214-6842
email-madhu@sterlinganalytical.com

Visit our website: www.sterlinganalytical.com

Mass Certification - MA-00071
Conn Certification - PH-0520

Report Date March 25, 2020

Customer	Contact	Laboratory Supervisor	eMail
ESS Laboratory	S. Morrell	Madhu Shah	customerservice@sterlinganalytical.com

Sample Description
Analysis of Soil Samples

Samples Analyzed

Enclosed are Report No(s): 70247, 70248

*Results reported on 'Dry Basis'.

Sulfur Total Blank = <0.05ppm

LCS Lo Check 0.100 = 0.109ppm

ICV 1.00 = 1.006ppm

Thank you for your business

madhu shah

Madhu Shah, Laboratory Supervisor

3/25/2020

Date

ALL the information contained in this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method.
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Sample	Description	Source	Taken/Time	Received
70247	20C0580-01	ESS Laboratory	3/18/20 11:40	3/24/20

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	721	mg/kg	100.00	SW 846 6010	03/25/20	dfp

Sample	Description	Source	Taken/Time	Received
70248	20C0580-02	ESS Laboratory	3/18/20 11:50	3/24/20

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	688	mg/kg	100.00	SW 846 6010	03/25/20	dfp

ESS Laboratory — Sterling — CHAIN OF CUSTODY

ESS Lab # 20C0580

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

Turn Time **DUE DATE: 3/23/20**

Regulatory State: MA **RI** CT NH NJ NY ME Other_____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other_____

Reporting Limits - _____

Electonic Deliverables Excel Access PDF

Co. Name	Project #	Project Name	
ESS LABORATORY		20C0580	
Contact Person	**Address**		
Shawn Morrell / Heather Masse			
City	**State**	**Zip**	**PO #**
			B03046
Tel.	**Email: Smorrell@thielsch.com; Hmasse@thielsch.com**		

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	Analysis: Total Sulfur 6010 mg/Kg									
	3/18/20	**1140**	**C**	**S**	**20C0580-01**					**X**									
	3/18/20	**1150**	**C**	**S**	**20C0580-02**					**X**									

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present _____Yes _____No

Seals Intact ____ Yes _____No NA:___

Cooler Temperature: _____

Internal Use Only

[ ] Pickup

[ ] Technician___

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Sampled by :

Comments: **QC required MB and LCS**

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy

185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 20C0580 | Page of

Turn Time: ☐ >5 ☐ 5 ☐ 4 ☐ 3 ☑ 2 ☐ 1 ☐ Same Day

Regulatory State: RI Criteria:

Is this project for any of the following?:
☐ CT RCP ☐ MA MCP ☐ RGP ☑ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF)
☐ Limit Checker ☐ State Forms ☐ EQuIS
☐ Excel ☐ Hard Copy ☐ Enviro Data
☐ CLP-Like Package ☐ Other (Specify) →

CLIENT INFORMATION

Client: GZA
Address: 188 Valley Street Suite 300
Providence RI
Phone: 401 421 4140
Email Distribution List: sara.haupt@gza.com

PROJECT INFORMATION

Project Name: EPLP STAP COMPLIANCE
Project Location: 642 Allens Ave
Project Number: 33559.09 Task 6.0
Project Manager: Sara Haupt
Bill to: Sara Haupt
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	TPH	VOCs	SVOCs	RCRA 8 Metals	total Sulfur	total Cyanide	Total Number of Bottles
1	3/18/20	1140	~~Soil~~ Comp.	SOIL	SP031820-1	X	X	X	X	X	X	
2	3/18/20	1150	~~Soil~~ Comp.	SOIL	SP031820-2	X	X	X	X	X	X	

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*

Sampled by :

Chain needs to be filled out neatly and completely for on time delivery.

Comments: * Please specify "Other" preservative and containers types in this space
1) National Grid rates apply
2) TCLP > 20x RVL

Cooler 5.3 ice hdn

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration
☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
[signature]	3/18/20	1222	[signature]				
Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)

CERTIFICATE OF ANALYSIS

Sara Haupt
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: FPLP (03.0033554.04 T06)
ESS Laboratory Work Order Number: 20D0422

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 4:42 pm, Apr 20, 2020

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Sterling Analytical Lab - West Springfield, MA	Sulfur

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20D0422

SAMPLE RECEIPT

The following samples were received on April 15, 2020 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on April 15, 2020 at 1516.

Semivolatiles

All samples produced a high pH reading resulting in low acid surrogates as a result. The associated batch QC was within acceptance criteria; no further action was taken.

Lab Number	Sample Name	Matrix	Analysis
20D0422-01	SS-A-041520	Soil	6010, 6020A, 7010, 7471B, 8100M, 8260B, 8270D, 9014
20D0422-02	SS-B-041520	Soil	6010, 6020A, 7010, 7471B, 8100M, 8260B, 8270D, 9014
20D0422-03	SS-C-041520	Soil	6010, 6020A, 7010, 7471B, 8100M, 8260B, 8270D, 9014
20D0422-04	SS-D-041520	Soil	6010, 6020A, 7010, 7471B, 8100M, 8260B, 8270D, 9014

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20D0422

PROJECT NARRATIVE

8270D Semi-Volatile Organic Compounds

20D0422-01 **Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution/matrix is present) (SM).**
2,4,6-Tribromophenol (13% @ 30-130%), 2-Fluorophenol (18% @ 30-130%)

20D0422-02 **Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution/matrix is present) (SM).**
2,4,6-Tribromophenol (13% @ 30-130%), 2-Fluorophenol (17% @ 30-130%)

20D0422-03 **Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution/matrix is present) (SM).**
2,4,6-Tribromophenol (17% @ 30-130%), 2-Fluorophenol (20% @ 30-130%)

20D0422-04 **Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution/matrix is present) (SM).**
2,4,6-Tribromophenol (12% @ 30-130%), 2-Fluorophenol (16% @ 30-130%)

D0D0266-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (98% @ 80-120%), 4,6-Dinitro-2-Methylphenol (114% @ 80-120%), Benzoic Acid (97% @ 80-120%), Pentachlorophenol (101% @ 80-120%)

D0D0266-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Pyridine (25% @ 20%)

D0D0266-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Hexachlorocyclopentadiene (24% @ 20%)

DD01519-BS1 **Blank Spike recovery is below lower control limit (B-).**
4-Chloroaniline (39% @ 40-140%)

DD01519-BSD1 **Blank Spike recovery is below lower control limit (B-).**
4-Chloroaniline (37% @ 40-140%)

Total Metals

DD01528-BSD4 **Blank Spike recovery is below lower control limit (B-).**
Arsenic (76% @ 80-120%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20D0422

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-A-041520
Date Sampled: 04/15/20 11:05
Percent Solids: 85

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.76** (1.01)		7010		1	KJK	04/16/20 16:36	2.89	100	DD01528
Barium	**31.2** (0.40)		6020A		1	KJK	04/16/20 13:01	2.89	100	DD01528
Cadmium	ND (0.40)		6020A		1	KJK	04/16/20 13:01	2.89	100	DD01528
Chromium	**7.68** (0.40)		6020A		1	KJK	04/16/20 13:01	2.89	100	DD01528
Lead	**11.2** (0.40)		6020A		1	KJK	04/16/20 13:01	2.89	100	DD01528
Mercury	**0.044** (0.030)		7471B		1	MKS	04/16/20 8:54	0.78	40	DD01529
Selenium	ND (0.40)		6020A		1	KJK	04/16/20 13:01	2.89	100	DD01528
Silver	ND (0.40)		6020A		1	KJK	04/16/20 13:01	2.89	100	DD01528

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-A-041520
Date Sampled: 04/15/20 11:05
Percent Solids: 85
Initial Volume: 27.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
1,1,1-Trichloroethane	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
1,1,2,2-Tetrachloroethane	ND (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
1,1,2-Trichloroethane	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
1,1-Dichloroethane	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
1,1-Dichloroethene	ND (0.163)	0.0489	8260B		1	04/16/20 19:11	D0D0312	DD01635
1,1-Dichloropropene	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
1,2,3-Trichlorobenzene	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
1,2,3-Trichloropropane	ND (0.163)	0.0489	8260B		1	04/16/20 19:11	D0D0312	DD01635
1,2,4-Trichlorobenzene	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
1,2,4-Trimethylbenzene	**0.217** (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
1,2-Dibromo-3-Chloropropane	ND (0.816)	0.163	8260B		1	04/16/20 19:11	D0D0312	DD01635
1,2-Dibromoethane	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
1,2-Dichlorobenzene	ND (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
1,2-Dichloroethane	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
1,2-Dichloropropane	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
1,3,5-Trimethylbenzene	**J 0.0734** (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
1,3-Dichlorobenzene	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
1,3-Dichloropropane	ND (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
1,4-Dichlorobenzene	ND (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
1,4-Dioxane - Screen	ND (32.6)	31.0	8260B		1	04/16/20 19:11	D0D0312	DD01635
1-Chlorohexane	ND (0.163)	0.0652	8260B		1	04/16/20 19:11	D0D0312	DD01635
2,2-Dichloropropane	ND (0.163)	0.0489	8260B		1	04/16/20 19:11	D0D0312	DD01635
2-Butanone	ND (0.816)	0.555	8260B		1	04/16/20 19:11	D0D0312	DD01635
2-Chlorotoluene	ND (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
2-Hexanone	ND (0.816)	0.245	8260B		1	04/16/20 19:11	D0D0312	DD01635
4-Chlorotoluene	ND (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
4-Isopropyltoluene	**J 0.0261** (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
4-Methyl-2-Pentanone	ND (0.816)	0.261	8260B		1	04/16/20 19:11	D0D0312	DD01635
Acetone	ND (0.816)	0.440	8260B		1	04/16/20 19:11	D0D0312	DD01635
Benzene	ND (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
Bromobenzene	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-A-041520
Date Sampled: 04/15/20 11:05
Percent Solids: 85
Initial Volume: 27.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.163)	0.0489	8260B		1	04/16/20 19:11	D0D0312	DD01635
Bromodichloromethane	ND (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
Bromoform	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
Bromomethane	ND (0.163)	0.0652	8260B		1	04/16/20 19:11	D0D0312	DD01635
Carbon Disulfide	ND (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
Carbon Tetrachloride	ND (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
Chlorobenzene	ND (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
Chloroethane	ND (0.163)	0.0652	8260B		1	04/16/20 19:11	D0D0312	DD01635
Chloroform	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
Chloromethane	ND (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
cis-1,2-Dichloroethene	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
cis-1,3-Dichloropropene	ND (0.163)	0.0489	8260B		1	04/16/20 19:11	D0D0312	DD01635
Dibromochloromethane	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
Dibromomethane	ND (0.163)	0.0489	8260B		1	04/16/20 19:11	D0D0312	DD01635
Dichlorodifluoromethane	ND (0.163)	0.0489	8260B		1	04/16/20 19:11	D0D0312	DD01635
Diethyl Ether	ND (0.163)	0.0489	8260B		1	04/16/20 19:11	D0D0312	DD01635
Di-isopropyl ether	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
Ethyl tertiary-butyl ether	ND (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
Ethylbenzene	**J 0.0636** (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
Hexachlorobutadiene	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
Isopropylbenzene	ND (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
Methyl tert-Butyl Ether	ND (0.163)	0.0489	8260B		1	04/16/20 19:11	D0D0312	DD01635
Methylene Chloride	ND (0.326)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
Naphthalene	**5.56** (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
n-Butylbenzene	**J 0.0571** (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
n-Propylbenzene	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
sec-Butylbenzene	ND (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
Styrene	ND (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
tert-Butylbenzene	ND (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
Tertiary-amyl methyl ether	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
Tetrachloroethene	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
Tetrahydrofuran	ND (0.816)	0.261	8260B		1	04/16/20 19:11	D0D0312	DD01635

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-A-041520
Date Sampled: 04/15/20 11:05
Percent Solids: 85
Initial Volume: 27.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	**J 0.0196** (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
trans-1,2-Dichloroethene	ND (0.163)	0.0489	8260B		1	04/16/20 19:11	D0D0312	DD01635
trans-1,3-Dichloropropene	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
Trichloroethene	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
Trichlorofluoromethane	ND (0.163)	0.0652	8260B		1	04/16/20 19:11	D0D0312	DD01635
Vinyl Acetate	ND (0.163)	0.0816	8260B		1	04/16/20 19:11	D0D0312	DD01635
Vinyl Chloride	ND (0.163)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
Xylene O	**J 0.0440** (0.163)	0.0163	8260B		1	04/16/20 19:11	D0D0312	DD01635
Xylene P,M	**J 0.0783** (0.326)	0.0326	8260B		1	04/16/20 19:11	D0D0312	DD01635
Xylenes (Total)	ND (0.326)		8260B		1	04/16/20 19:11		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*105 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*104 %*		*70-130*
Surrogate: Dibromofluoromethane	*93 %*		*70-130*
Surrogate: Toluene-d8	*104 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-A-041520
Date Sampled: 04/15/20 11:05
Percent Solids: 85
Initial Volume: 19.4
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 4/15/20 15:48

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**146** (45.2)		8100M		1	04/16/20 14:16	D0D0305	DD01422

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*87 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-A-041520
Date Sampled: 04/15/20 11:05
Percent Solids: 85
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/15/20 17:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
1,2,4-Trichlorobenzene	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
1,2-Dichlorobenzene	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
1,3-Dichlorobenzene	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
1,4-Dichlorobenzene	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
2,3,4,6-Tetrachlorophenol	ND (2.01)		8270D		1	04/16/20 0:54	D0D0266	DD01519
2,4,5-Trichlorophenol	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
2,4,6-Trichlorophenol	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
2,4-Dichlorophenol	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
2,4-Dimethylphenol	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
2,4-Dinitrophenol	ND (2.01)		8270D		1	04/16/20 0:54	D0D0266	DD01519
2,4-Dinitrotoluene	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
2,6-Dinitrotoluene	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
2-Chloronaphthalene	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
2-Chlorophenol	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
2-Methylnaphthalene	**1.27** (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
2-Methylphenol	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
2-Nitroaniline	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
2-Nitrophenol	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
3,3′-Dichlorobenzidine	ND (0.802)		8270D		1	04/16/20 0:54	D0D0266	DD01519
3+4-Methylphenol	ND (0.802)		8270D		1	04/16/20 0:54	D0D0266	DD01519
3-Nitroaniline	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
4,6-Dinitro-2-Methylphenol	ND (2.01)		8270D		1	04/16/20 0:54	D0D0266	DD01519
4-Bromophenyl-phenylether	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
4-Chloro-3-Methylphenol	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
4-Chloroaniline	ND (0.802)		8270D		1	04/16/20 0:54	D0D0266	DD01519
4-Chloro-phenyl-phenyl ether	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
4-Nitroaniline	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
4-Nitrophenol	ND (2.01)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Acenaphthene	**0.492** (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Acenaphthylene	**0.633** (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Acetophenone	ND (0.802)		8270D		1	04/16/20 0:54	D0D0266	DD01519

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-A-041520
Date Sampled: 04/15/20 11:05
Percent Solids: 85
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/15/20 17:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.802)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Anthracene	**0.679** (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Azobenzene	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Benzo(a)anthracene	**0.684** (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Benzo(a)pyrene	**0.563** (0.201)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Benzo(b)fluoranthene	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Benzo(g,h,i)perylene	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Benzo(k)fluoranthene	**0.406** (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Benzoic Acid	ND (2.01)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Benzyl Alcohol	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
bis(2-Chloroethoxy)methane	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
bis(2-Chloroethyl)ether	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
bis(2-chloroisopropyl)Ether	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
bis(2-Ethylhexyl)phthalate	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Butylbenzylphthalate	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Carbazole	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Chrysene	**0.652** (0.201)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Dibenzo(a,h)Anthracene	ND (0.201)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Dibenzofuran	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Diethylphthalate	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Dimethylphthalate	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Di-n-butylphthalate	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Di-n-octylphthalate	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Fluoranthene	**1.44** (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Fluorene	**0.766** (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Hexachlorobenzene	ND (0.201)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Hexachlorobutadiene	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Hexachlorocyclopentadiene	ND (2.01)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Hexachloroethane	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Indeno(1,2,3-cd)Pyrene	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Isophorone	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Naphthalene	**1.74** (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-A-041520
Date Sampled: 04/15/20 11:05
Percent Solids: 85
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/15/20 17:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
N-Nitrosodimethylamine	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
N-Nitroso-Di-n-Propylamine	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
N-nitrosodiphenylamine	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Pentachlorophenol	ND (2.01)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Phenanthrene	**2.90** (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Phenol	ND (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Pyrene	**2.05** (0.400)		8270D		1	04/16/20 0:54	D0D0266	DD01519
Pyridine	ND (2.01)		8270D		1	04/16/20 0:54	D0D0266	DD01519

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*62 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*13 %*	*SM*	*30-130*
Surrogate: 2-Chlorophenol-d4	*36 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*61 %*		*30-130*
Surrogate: 2-Fluorophenol	*18 %*	*SM*	*30-130*
Surrogate: Nitrobenzene-d5	*64 %*		*30-130*
Surrogate: Phenol-d6	*52 %*		*30-130*
Surrogate: p-Terphenyl-d14	*88 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-A-041520
Date Sampled: 04/15/20 11:05
Percent Solids: 85

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**1.48** (1.10)		9014		1	EEM	04/16/20 15:15	mg/kg dry	DD01614

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-A-041520
Date Sampled: 04/15/20 11:05
Percent Solids: 85
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-01
Sample Matrix: Soil

Analyst: SUB
Prepared: 4/20/20 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**1330** (100)		6010		1	SUB	04/20/20 12:44	mg/kg	DD02020

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-B-041520
Date Sampled: 04/15/20 11:05
Percent Solids: 87

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.21** (1.10)		7010		1	KJK	04/16/20 16:41	2.61	100	DD01528
Barium	**62.7** (0.44)		6020A		1	KJK	04/16/20 13:07	2.61	100	DD01528
Cadmium	ND (0.44)		6020A		1	KJK	04/16/20 13:07	2.61	100	DD01528
Chromium	**12.4** (0.44)		6020A		1	KJK	04/16/20 13:07	2.61	100	DD01528
Lead	**14.9** (0.44)		6020A		1	KJK	04/16/20 13:07	2.61	100	DD01528
Mercury	ND (0.032)		7471B		1	MKS	04/16/20 9:00	0.71	40	DD01529
Selenium	ND (0.44)		6020A		1	KJK	04/16/20 13:07	2.61	100	DD01528
Silver	ND (0.44)		6020A		1	KJK	04/16/20 13:07	2.61	100	DD01528

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-B-041520
Date Sampled: 04/15/20 11:05
Percent Solids: 87
Initial Volume: 26.1
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
1,1,1-Trichloroethane	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
1,1,2,2-Tetrachloroethane	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
1,1,2-Trichloroethane	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
1,1-Dichloroethane	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
1,1-Dichloroethene	ND (0.162)	0.0486	8260B		1	04/16/20 19:38	D0D0312	DD01635
1,1-Dichloropropene	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
1,2,3-Trichlorobenzene	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
1,2,3-Trichloropropane	ND (0.162)	0.0486	8260B		1	04/16/20 19:38	D0D0312	DD01635
1,2,4-Trichlorobenzene	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
1,2,4-Trimethylbenzene	**0.188** (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
1,2-Dibromo-3-Chloropropane	ND (0.811)	0.162	8260B		1	04/16/20 19:38	D0D0312	DD01635
1,2-Dibromoethane	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
1,2-Dichlorobenzene	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
1,2-Dichloroethane	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
1,2-Dichloropropane	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
1,3,5-Trimethylbenzene	**J 0.0551** (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
1,3-Dichlorobenzene	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
1,3-Dichloropropane	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
1,4-Dichlorobenzene	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
1,4-Dioxane - Screen	ND (32.4)	30.8	8260B		1	04/16/20 19:38	D0D0312	DD01635
1-Chlorohexane	ND (0.162)	0.0648	8260B		1	04/16/20 19:38	D0D0312	DD01635
2,2-Dichloropropane	ND (0.162)	0.0486	8260B		1	04/16/20 19:38	D0D0312	DD01635
2-Butanone	ND (0.811)	0.551	8260B		1	04/16/20 19:38	D0D0312	DD01635
2-Chlorotoluene	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
2-Hexanone	ND (0.811)	0.243	8260B		1	04/16/20 19:38	D0D0312	DD01635
4-Chlorotoluene	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
4-Isopropyltoluene	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
4-Methyl-2-Pentanone	ND (0.811)	0.259	8260B		1	04/16/20 19:38	D0D0312	DD01635
Acetone	ND (0.811)	0.438	8260B		1	04/16/20 19:38	D0D0312	DD01635
Benzene	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
Bromobenzene	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-B-041520
Date Sampled: 04/15/20 11:05
Percent Solids: 87
Initial Volume: 26.1
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.162)	0.0486	8260B		1	04/16/20 19:38	D0D0312	DD01635
Bromodichloromethane	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
Bromoform	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
Bromomethane	ND (0.162)	0.0648	8260B		1	04/16/20 19:38	D0D0312	DD01635
Carbon Disulfide	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
Carbon Tetrachloride	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
Chlorobenzene	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
Chloroethane	ND (0.162)	0.0648	8260B		1	04/16/20 19:38	D0D0312	DD01635
Chloroform	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
Chloromethane	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
cis-1,2-Dichloroethene	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
cis-1,3-Dichloropropene	ND (0.162)	0.0486	8260B		1	04/16/20 19:38	D0D0312	DD01635
Dibromochloromethane	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
Dibromomethane	ND (0.162)	0.0486	8260B		1	04/16/20 19:38	D0D0312	DD01635
Dichlorodifluoromethane	ND (0.162)	0.0486	8260B		1	04/16/20 19:38	D0D0312	DD01635
Diethyl Ether	ND (0.162)	0.0486	8260B		1	04/16/20 19:38	D0D0312	DD01635
Di-isopropyl ether	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
Ethyl tertiary-butyl ether	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
Ethylbenzene	**J 0.0632** (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
Hexachlorobutadiene	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
Isopropylbenzene	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
Methyl tert-Butyl Ether	ND (0.162)	0.0486	8260B		1	04/16/20 19:38	D0D0312	DD01635
Methylene Chloride	ND (0.324)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
Naphthalene	**5.36** (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
n-Butylbenzene	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
n-Propylbenzene	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
sec-Butylbenzene	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
Styrene	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
tert-Butylbenzene	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
Tertiary-amyl methyl ether	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
Tetrachloroethene	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
Tetrahydrofuran	ND (0.811)	0.259	8260B		1	04/16/20 19:38	D0D0312	DD01635

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-B-041520
Date Sampled: 04/15/20 11:05
Percent Solids: 87
Initial Volume: 26.1
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
trans-1,2-Dichloroethene	ND (0.162)	0.0486	8260B		1	04/16/20 19:38	D0D0312	DD01635
trans-1,3-Dichloropropene	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
Trichloroethene	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
Trichlorofluoromethane	ND (0.162)	0.0648	8260B		1	04/16/20 19:38	D0D0312	DD01635
Vinyl Acetate	ND (0.162)	0.0811	8260B		1	04/16/20 19:38	D0D0312	DD01635
Vinyl Chloride	ND (0.162)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
Xylene O	**J 0.0292** (0.162)	0.0162	8260B		1	04/16/20 19:38	D0D0312	DD01635
Xylene P,M	**J 0.0600** (0.324)	0.0324	8260B		1	04/16/20 19:38	D0D0312	DD01635
Xylenes (Total)	ND (0.324)		8260B		1	04/16/20 19:38		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*102 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*104 %*		*70-130*
Surrogate: Dibromofluoromethane	*89 %*		*70-130*
Surrogate: Toluene-d8	*104 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-B-041520
Date Sampled: 04/15/20 11:05
Percent Solids: 87
Initial Volume: 19.5
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 4/15/20 15:48

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**124** (44.2)		8100M		1	04/16/20 14:49	D0D0305	DD01422

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*81 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-B-041520
Date Sampled: 04/15/20 11:05
Percent Solids: 87
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/15/20 17:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
1,2,4-Trichlorobenzene	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
1,2-Dichlorobenzene	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
1,3-Dichlorobenzene	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
1,4-Dichlorobenzene	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
2,3,4,6-Tetrachlorophenol	ND (1.97)		8270D		1	04/16/20 1:23	D0D0266	DD01519
2,4,5-Trichlorophenol	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
2,4,6-Trichlorophenol	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
2,4-Dichlorophenol	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
2,4-Dimethylphenol	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
2,4-Dinitrophenol	ND (1.97)		8270D		1	04/16/20 1:23	D0D0266	DD01519
2,4-Dinitrotoluene	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
2,6-Dinitrotoluene	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
2-Chloronaphthalene	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
2-Chlorophenol	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
2-Methylnaphthalene	**1.45** (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
2-Methylphenol	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
2-Nitroaniline	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
2-Nitrophenol	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
3,3′-Dichlorobenzidine	ND (0.788)		8270D		1	04/16/20 1:23	D0D0266	DD01519
3+4-Methylphenol	ND (0.788)		8270D		1	04/16/20 1:23	D0D0266	DD01519
3-Nitroaniline	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
4,6-Dinitro-2-Methylphenol	ND (1.97)		8270D		1	04/16/20 1:23	D0D0266	DD01519
4-Bromophenyl-phenylether	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
4-Chloro-3-Methylphenol	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
4-Chloroaniline	ND (0.788)		8270D		1	04/16/20 1:23	D0D0266	DD01519
4-Chloro-phenyl-phenyl ether	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
4-Nitroaniline	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
4-Nitrophenol	ND (1.97)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Acenaphthene	**0.577** (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Acenaphthylene	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Acetophenone	ND (0.788)		8270D		1	04/16/20 1:23	D0D0266	DD01519

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-B-041520
Date Sampled: 04/15/20 11:05
Percent Solids: 87
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/15/20 17:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.788)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Anthracene	**0.508** (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Azobenzene	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Benzo(a)anthracene	**0.420** (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Benzo(a)pyrene	**0.399** (0.197)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Benzo(b)fluoranthene	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Benzo(g,h,i)perylene	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Benzo(k)fluoranthene	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Benzoic Acid	ND (1.97)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Benzyl Alcohol	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
bis(2-Chloroethoxy)methane	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
bis(2-Chloroethyl)ether	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
bis(2-chloroisopropyl)Ether	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
bis(2-Ethylhexyl)phthalate	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Butylbenzylphthalate	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Carbazole	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Chrysene	**0.398** (0.197)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Dibenzo(a,h)Anthracene	ND (0.197)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Dibenzofuran	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Diethylphthalate	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Dimethylphthalate	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Di-n-butylphthalate	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Di-n-octylphthalate	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Fluoranthene	**0.889** (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Fluorene	**0.563** (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Hexachlorobenzene	ND (0.197)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Hexachlorobutadiene	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Hexachlorocyclopentadiene	ND (1.97)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Hexachloroethane	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Indeno(1,2,3-cd)Pyrene	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Isophorone	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Naphthalene	**2.12** (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-B-041520
Date Sampled: 04/15/20 11:05
Percent Solids: 87
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/15/20 17:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
N-Nitrosodimethylamine	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
N-Nitroso-Di-n-Propylamine	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
N-nitrosodiphenylamine	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Pentachlorophenol	ND (1.97)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Phenanthrene	**2.03** (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Phenol	ND (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Pyrene	**1.35** (0.393)		8270D		1	04/16/20 1:23	D0D0266	DD01519
Pyridine	ND (1.97)		8270D		1	04/16/20 1:23	D0D0266	DD01519

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*55 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*13 %*	*SM*	*30-130*
Surrogate: 2-Chlorophenol-d4	*32 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*55 %*		*30-130*
Surrogate: 2-Fluorophenol	*17 %*	*SM*	*30-130*
Surrogate: Nitrobenzene-d5	*57 %*		*30-130*
Surrogate: Phenol-d6	*46 %*		*30-130*
Surrogate: p-Terphenyl-d14	*77 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-B-041520
Date Sampled: 04/15/20 11:05
Percent Solids: 87

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-02
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**1.95** (1.06)		9014		1	EEM	04/16/20 15:15	mg/kg dry	DD01614

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-B-041520
Date Sampled: 04/15/20 11:05
Percent Solids: 87
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-02
Sample Matrix: Soil

Analyst: SUB
Prepared: 4/20/20 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**1380** (100)		6010		1	SUB	04/20/20 12:44	mg/kg	DD02020

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-C-041520
Date Sampled: 04/15/20 11:15
Percent Solids: 81

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.45** (1.07)		7010		1	KJK	04/16/20 16:47	2.89	100	DD01528
Barium	**49.3** (0.43)		6020A		1	KJK	04/16/20 13:12	2.89	100	DD01528
Cadmium	ND (0.43)		6020A		1	KJK	04/16/20 13:12	2.89	100	DD01528
Chromium	**12.7** (0.43)		6020A		1	KJK	04/16/20 13:12	2.89	100	DD01528
Lead	**14.4** (0.43)		6020A		1	KJK	04/16/20 13:12	2.89	100	DD01528
Mercury	ND (0.034)		7471B		1	MKS	04/16/20 9:02	0.71	40	DD01529
Selenium	ND (0.43)		6020A		1	KJK	04/16/20 13:12	2.89	100	DD01528
Silver	ND (0.43)		6020A		1	KJK	04/16/20 13:12	2.89	100	DD01528

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-C-041520
Date Sampled: 04/15/20 11:15
Percent Solids: 81
Initial Volume: 30.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
1,1,1-Trichloroethane	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
1,1,2,2-Tetrachloroethane	ND (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
1,1,2-Trichloroethane	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
1,1-Dichloroethane	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
1,1-Dichloroethene	ND (0.168)	0.0504	8260B		1	04/16/20 20:04	D0D0312	DD01635
1,1-Dichloropropene	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
1,2,3-Trichlorobenzene	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
1,2,3-Trichloropropane	ND (0.168)	0.0504	8260B		1	04/16/20 20:04	D0D0312	DD01635
1,2,4-Trichlorobenzene	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
1,2,4-Trimethylbenzene	**0.343** (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
1,2-Dibromo-3-Chloropropane	ND (0.840)	0.168	8260B		1	04/16/20 20:04	D0D0312	DD01635
1,2-Dibromoethane	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
1,2-Dichlorobenzene	ND (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
1,2-Dichloroethane	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
1,2-Dichloropropane	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
1,3,5-Trimethylbenzene	**J 0.108** (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
1,3-Dichlorobenzene	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
1,3-Dichloropropane	ND (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
1,4-Dichlorobenzene	ND (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
1,4-Dioxane - Screen	ND (33.6)	31.9	8260B		1	04/16/20 20:04	D0D0312	DD01635
1-Chlorohexane	ND (0.168)	0.0672	8260B		1	04/16/20 20:04	D0D0312	DD01635
2,2-Dichloropropane	ND (0.168)	0.0504	8260B		1	04/16/20 20:04	D0D0312	DD01635
2-Butanone	ND (0.840)	0.571	8260B		1	04/16/20 20:04	D0D0312	DD01635
2-Chlorotoluene	ND (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
2-Hexanone	ND (0.840)	0.252	8260B		1	04/16/20 20:04	D0D0312	DD01635
4-Chlorotoluene	ND (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
4-Isopropyltoluene	**J 0.0168** (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
4-Methyl-2-Pentanone	ND (0.840)	0.269	8260B		1	04/16/20 20:04	D0D0312	DD01635
Acetone	ND (0.840)	0.454	8260B		1	04/16/20 20:04	D0D0312	DD01635
Benzene	ND (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
Bromobenzene	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-C-041520
Date Sampled: 04/15/20 11:15
Percent Solids: 81
Initial Volume: 30.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.168)	0.0504	8260B		1	04/16/20 20:04	D0D0312	DD01635
Bromodichloromethane	ND (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
Bromoform	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
Bromomethane	ND (0.168)	0.0672	8260B		1	04/16/20 20:04	D0D0312	DD01635
Carbon Disulfide	ND (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
Carbon Tetrachloride	ND (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
Chlorobenzene	ND (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
Chloroethane	ND (0.168)	0.0672	8260B		1	04/16/20 20:04	D0D0312	DD01635
Chloroform	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
Chloromethane	ND (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
cis-1,2-Dichloroethene	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
cis-1,3-Dichloropropene	ND (0.168)	0.0504	8260B		1	04/16/20 20:04	D0D0312	DD01635
Dibromochloromethane	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
Dibromomethane	ND (0.168)	0.0504	8260B		1	04/16/20 20:04	D0D0312	DD01635
Dichlorodifluoromethane	ND (0.168)	0.0504	8260B		1	04/16/20 20:04	D0D0312	DD01635
Diethyl Ether	ND (0.168)	0.0504	8260B		1	04/16/20 20:04	D0D0312	DD01635
Di-isopropyl ether	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
Ethyl tertiary-butyl ether	ND (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
Ethylbenzene	**J 0.0857** (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
Hexachlorobutadiene	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
Isopropylbenzene	ND (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
Methyl tert-Butyl Ether	ND (0.168)	0.0504	8260B		1	04/16/20 20:04	D0D0312	DD01635
Methylene Chloride	ND (0.336)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
Naphthalene	**8.76** (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
n-Butylbenzene	**J 0.0420** (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
n-Propylbenzene	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
sec-Butylbenzene	ND (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
Styrene	**J 0.0672** (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
tert-Butylbenzene	ND (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
Tertiary-amyl methyl ether	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
Tetrachloroethene	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
Tetrahydrofuran	ND (0.840)	0.269	8260B		1	04/16/20 20:04	D0D0312	DD01635

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-C-041520
Date Sampled: 04/15/20 11:15
Percent Solids: 81
Initial Volume: 30.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	**J 0.0723** (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
trans-1,2-Dichloroethene	ND (0.168)	0.0504	8260B		1	04/16/20 20:04	D0D0312	DD01635
trans-1,3-Dichloropropene	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
Trichloroethene	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
Trichlorofluoromethane	ND (0.168)	0.0672	8260B		1	04/16/20 20:04	D0D0312	DD01635
Vinyl Acetate	ND (0.168)	0.0840	8260B		1	04/16/20 20:04	D0D0312	DD01635
Vinyl Chloride	ND (0.168)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
Xylene O	**J 0.0992** (0.168)	0.0168	8260B		1	04/16/20 20:04	D0D0312	DD01635
Xylene P,M	**J 0.182** (0.336)	0.0336	8260B		1	04/16/20 20:04	D0D0312	DD01635
Xylenes (Total)	ND (0.336)		8260B		1	04/16/20 20:04		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*122 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*114 %*		*70-130*
Surrogate: Dibromofluoromethane	*101 %*		*70-130*
Surrogate: Toluene-d8	*112 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-C-041520
Date Sampled: 04/15/20 11:15
Percent Solids: 81
Initial Volume: 19.5
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 4/15/20 15:48

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**151** (47.5)		8100M		1	04/16/20 15:22	D0D0305	DD01422

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*90 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-C-041520
Date Sampled: 04/15/20 11:15
Percent Solids: 81
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/15/20 17:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
1,2,4-Trichlorobenzene	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
1,2-Dichlorobenzene	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
1,3-Dichlorobenzene	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
1,4-Dichlorobenzene	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
2,3,4,6-Tetrachlorophenol	ND (2.01)		8270D		1	04/16/20 1:52	D0D0266	DD01519
2,4,5-Trichlorophenol	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
2,4,6-Trichlorophenol	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
2,4-Dichlorophenol	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
2,4-Dimethylphenol	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
2,4-Dinitrophenol	ND (2.01)		8270D		1	04/16/20 1:52	D0D0266	DD01519
2,4-Dinitrotoluene	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
2,6-Dinitrotoluene	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
2-Chloronaphthalene	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
2-Chlorophenol	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
2-Methylnaphthalene	**1.11** (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
2-Methylphenol	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
2-Nitroaniline	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
2-Nitrophenol	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
3,3′-Dichlorobenzidine	ND (0.802)		8270D		1	04/16/20 1:52	D0D0266	DD01519
3+4-Methylphenol	ND (0.802)		8270D		1	04/16/20 1:52	D0D0266	DD01519
3-Nitroaniline	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
4,6-Dinitro-2-Methylphenol	ND (2.01)		8270D		1	04/16/20 1:52	D0D0266	DD01519
4-Bromophenyl-phenylether	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
4-Chloro-3-Methylphenol	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
4-Chloroaniline	ND (0.802)		8270D		1	04/16/20 1:52	D0D0266	DD01519
4-Chloro-phenyl-phenyl ether	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
4-Nitroaniline	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
4-Nitrophenol	ND (2.01)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Acenaphthene	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Acenaphthylene	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Acetophenone	ND (0.802)		8270D		1	04/16/20 1:52	D0D0266	DD01519

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-C-041520
Date Sampled: 04/15/20 11:15
Percent Solids: 81
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/15/20 17:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.802)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Anthracene	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Azobenzene	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Benzo(a)anthracene	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Benzo(a)pyrene	**0.239** (0.201)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Benzo(b)fluoranthene	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Benzo(g,h,i)perylene	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Benzo(k)fluoranthene	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Benzoic Acid	ND (2.01)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Benzyl Alcohol	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
bis(2-Chloroethoxy)methane	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
bis(2-Chloroethyl)ether	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
bis(2-chloroisopropyl)Ether	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
bis(2-Ethylhexyl)phthalate	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Butylbenzylphthalate	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Carbazole	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Chrysene	**0.252** (0.201)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Dibenzo(a,h)Anthracene	ND (0.201)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Dibenzofuran	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Diethylphthalate	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Dimethylphthalate	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Di-n-butylphthalate	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Di-n-octylphthalate	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Fluoranthene	**0.499** (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Fluorene	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Hexachlorobenzene	ND (0.201)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Hexachlorobutadiene	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Hexachlorocyclopentadiene	ND (2.01)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Hexachloroethane	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Indeno(1,2,3-cd)Pyrene	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Isophorone	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Naphthalene	**1.75** (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-C-041520
Date Sampled: 04/15/20 11:15
Percent Solids: 81
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/15/20 17:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
N-Nitrosodimethylamine	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
N-Nitroso-Di-n-Propylamine	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
N-nitrosodiphenylamine	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Pentachlorophenol	ND (2.01)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Phenanthrene	**1.05** (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Phenol	ND (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Pyrene	**0.814** (0.401)		8270D		1	04/16/20 1:52	D0D0266	DD01519
Pyridine	ND (2.01)		8270D		1	04/16/20 1:52	D0D0266	DD01519

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*62 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*17 %*	*SM*	*30-130*
Surrogate: 2-Chlorophenol-d4	*37 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*59 %*		*30-130*
Surrogate: 2-Fluorophenol	*20 %*	*SM*	*30-130*
Surrogate: Nitrobenzene-d5	*62 %*		*30-130*
Surrogate: Phenol-d6	*52 %*		*30-130*
Surrogate: p-Terphenyl-d14	*89 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-C-041520
Date Sampled: 04/15/20 11:15
Percent Solids: 81

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-03
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	ND (1.16)		9014		1	EEM	04/16/20 15:15	mg/kg dry	DD01614

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-C-041520
Date Sampled: 04/15/20 11:15
Percent Solids: 81
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-03
Sample Matrix: Soil

Analyst: SUB
Prepared: 4/20/20 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**1080** (100)		6010		1	SUB	04/20/20 12:44	mg/kg	DD02020

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-D-041520
Date Sampled: 04/15/20 11:15
Percent Solids: 84

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.56** (1.01)		7010		1	KJK	04/16/20 16:52	2.96	100	DD01528
Barium	**40.2** (0.40)		6020A		1	KJK	04/16/20 13:18	2.96	100	DD01528
Cadmium	ND (0.40)		6020A		1	KJK	04/16/20 13:18	2.96	100	DD01528
Chromium	**10.7** (0.40)		6020A		1	KJK	04/16/20 13:18	2.96	100	DD01528
Lead	**15.7** (0.40)		6020A		1	KJK	04/16/20 13:18	2.96	100	DD01528
Mercury	ND (0.031)		7471B		1	MKS	04/16/20 9:05	0.77	40	DD01529
Selenium	ND (0.40)		6020A		1	KJK	04/16/20 13:18	2.96	100	DD01528
Silver	ND (0.40)		6020A		1	KJK	04/16/20 13:18	2.96	100	DD01528

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-D-041520
Date Sampled: 04/15/20 11:15
Percent Solids: 84
Initial Volume: 28
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
1,1,1-Trichloroethane	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
1,1,2,2-Tetrachloroethane	ND (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
1,1,2-Trichloroethane	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
1,1-Dichloroethane	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
1,1-Dichloroethene	ND (0.168)	0.0503	8260B		1	04/16/20 20:31	D0D0312	DD01635
1,1-Dichloropropene	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
1,2,3-Trichlorobenzene	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
1,2,3-Trichloropropane	ND (0.168)	0.0503	8260B		1	04/16/20 20:31	D0D0312	DD01635
1,2,4-Trichlorobenzene	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
1,2,4-Trimethylbenzene	**0.196** (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
1,2-Dibromo-3-Chloropropane	ND (0.839)	0.168	8260B		1	04/16/20 20:31	D0D0312	DD01635
1,2-Dibromoethane	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
1,2-Dichlorobenzene	ND (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
1,2-Dichloroethane	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
1,2-Dichloropropane	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
1,3,5-Trimethylbenzene	**J 0.0738** (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
1,3-Dichlorobenzene	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
1,3-Dichloropropane	ND (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
1,4-Dichlorobenzene	ND (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
1,4-Dioxane - Screen	ND (33.6)	31.9	8260B		1	04/16/20 20:31	D0D0312	DD01635
1-Chlorohexane	ND (0.168)	0.0671	8260B		1	04/16/20 20:31	D0D0312	DD01635
2,2-Dichloropropane	ND (0.168)	0.0503	8260B		1	04/16/20 20:31	D0D0312	DD01635
2-Butanone	ND (0.839)	0.571	8260B		1	04/16/20 20:31	D0D0312	DD01635
2-Chlorotoluene	ND (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
2-Hexanone	ND (0.839)	0.252	8260B		1	04/16/20 20:31	D0D0312	DD01635
4-Chlorotoluene	ND (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
4-Isopropyltoluene	**J 0.0268** (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
4-Methyl-2-Pentanone	ND (0.839)	0.268	8260B		1	04/16/20 20:31	D0D0312	DD01635
Acetone	ND (0.839)	0.453	8260B		1	04/16/20 20:31	D0D0312	DD01635
Benzene	ND (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
Bromobenzene	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-D-041520
Date Sampled: 04/15/20 11:15
Percent Solids: 84
Initial Volume: 28
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.168)	0.0503	8260B		1	04/16/20 20:31	D0D0312	DD01635
Bromodichloromethane	ND (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
Bromoform	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
Bromomethane	ND (0.168)	0.0671	8260B		1	04/16/20 20:31	D0D0312	DD01635
Carbon Disulfide	ND (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
Carbon Tetrachloride	ND (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
Chlorobenzene	ND (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
Chloroethane	ND (0.168)	0.0671	8260B		1	04/16/20 20:31	D0D0312	DD01635
Chloroform	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
Chloromethane	ND (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
cis-1,2-Dichloroethene	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
cis-1,3-Dichloropropene	ND (0.168)	0.0503	8260B		1	04/16/20 20:31	D0D0312	DD01635
Dibromochloromethane	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
Dibromomethane	ND (0.168)	0.0503	8260B		1	04/16/20 20:31	D0D0312	DD01635
Dichlorodifluoromethane	ND (0.168)	0.0503	8260B		1	04/16/20 20:31	D0D0312	DD01635
Diethyl Ether	ND (0.168)	0.0503	8260B		1	04/16/20 20:31	D0D0312	DD01635
Di-isopropyl ether	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
Ethyl tertiary-butyl ether	ND (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
Ethylbenzene	**J 0.0789** (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
Hexachlorobutadiene	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
Isopropylbenzene	**J 0.0185** (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
Methyl tert-Butyl Ether	ND (0.168)	0.0503	8260B		1	04/16/20 20:31	D0D0312	DD01635
Methylene Chloride	ND (0.336)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
Naphthalene	**5.72** (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
n-Butylbenzene	**J 0.0436** (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
n-Propylbenzene	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
sec-Butylbenzene	ND (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
Styrene	ND (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
tert-Butylbenzene	ND (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
Tertiary-amyl methyl ether	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
Tetrachloroethene	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
Tetrahydrofuran	ND (0.839)	0.268	8260B		1	04/16/20 20:31	D0D0312	DD01635

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-D-041520
Date Sampled: 04/15/20 11:15
Percent Solids: 84
Initial Volume: 28
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	**J 0.0168** (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
trans-1,2-Dichloroethene	ND (0.168)	0.0503	8260B		1	04/16/20 20:31	D0D0312	DD01635
trans-1,3-Dichloropropene	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
Trichloroethene	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
Trichlorofluoromethane	ND (0.168)	0.0671	8260B		1	04/16/20 20:31	D0D0312	DD01635
Vinyl Acetate	ND (0.168)	0.0839	8260B		1	04/16/20 20:31	D0D0312	DD01635
Vinyl Chloride	ND (0.168)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
Xylene O	**J 0.0436** (0.168)	0.0168	8260B		1	04/16/20 20:31	D0D0312	DD01635
Xylene P,M	**J 0.0755** (0.336)	0.0336	8260B		1	04/16/20 20:31	D0D0312	DD01635
Xylenes (Total)	ND (0.336)		8260B		1	04/16/20 20:31		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*112 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*115 %*		*70-130*
Surrogate: Dibromofluoromethane	*91 %*		*70-130*
Surrogate: Toluene-d8	*113 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-D-041520
Date Sampled: 04/15/20 11:15
Percent Solids: 84
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: CAD
Prepared: 4/15/20 15:48

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**128** (44.7)		8100M		1	04/16/20 15:55	D0D0305	DD01422

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*86 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-D-041520
Date Sampled: 04/15/20 11:15
Percent Solids: 84
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/15/20 17:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
1,2,4-Trichlorobenzene	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
1,2-Dichlorobenzene	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
1,3-Dichlorobenzene	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
1,4-Dichlorobenzene	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
2,3,4,6-Tetrachlorophenol	ND (2.10)		8270D		1	04/16/20 2:20	D0D0266	DD01519
2,4,5-Trichlorophenol	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
2,4,6-Trichlorophenol	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
2,4-Dichlorophenol	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
2,4-Dimethylphenol	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
2,4-Dinitrophenol	ND (2.10)		8270D		1	04/16/20 2:20	D0D0266	DD01519
2,4-Dinitrotoluene	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
2,6-Dinitrotoluene	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
2-Chloronaphthalene	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
2-Chlorophenol	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
2-Methylnaphthalene	**2.10** (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
2-Methylphenol	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
2-Nitroaniline	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
2-Nitrophenol	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
3,3′-Dichlorobenzidine	ND (0.838)		8270D		1	04/16/20 2:20	D0D0266	DD01519
3+4-Methylphenol	ND (0.838)		8270D		1	04/16/20 2:20	D0D0266	DD01519
3-Nitroaniline	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
4,6-Dinitro-2-Methylphenol	ND (2.10)		8270D		1	04/16/20 2:20	D0D0266	DD01519
4-Bromophenyl-phenylether	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
4-Chloro-3-Methylphenol	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
4-Chloroaniline	ND (0.838)		8270D		1	04/16/20 2:20	D0D0266	DD01519
4-Chloro-phenyl-phenyl ether	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
4-Nitroaniline	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
4-Nitrophenol	ND (2.10)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Acenaphthene	**0.682** (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Acenaphthylene	**0.451** (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Acetophenone	ND (0.838)		8270D		1	04/16/20 2:20	D0D0266	DD01519

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-D-041520
Date Sampled: 04/15/20 11:15
Percent Solids: 84
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/15/20 17:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.838)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Anthracene	**0.539** (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Azobenzene	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Benzo(a)anthracene	**0.455** (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Benzo(a)pyrene	**0.415** (0.210)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Benzo(b)fluoranthene	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Benzo(g,h,i)perylene	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Benzo(k)fluoranthene	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Benzoic Acid	ND (2.10)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Benzyl Alcohol	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
bis(2-Chloroethoxy)methane	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
bis(2-Chloroethyl)ether	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
bis(2-chloroisopropyl)Ether	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
bis(2-Ethylhexyl)phthalate	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Butylbenzylphthalate	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Carbazole	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Chrysene	**0.437** (0.210)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Dibenzo(a,h)Anthracene	ND (0.210)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Dibenzofuran	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Diethylphthalate	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Dimethylphthalate	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Di-n-butylphthalate	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Di-n-octylphthalate	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Fluoranthene	**0.996** (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Fluorene	**0.690** (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Hexachlorobenzene	ND (0.210)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Hexachlorobutadiene	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Hexachlorocyclopentadiene	ND (2.10)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Hexachloroethane	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Indeno(1,2,3-cd)Pyrene	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Isophorone	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Naphthalene	**3.16** (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-D-041520
Date Sampled: 04/15/20 11:15
Percent Solids: 84
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/15/20 17:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
N-Nitrosodimethylamine	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
N-Nitroso-Di-n-Propylamine	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
N-nitrosodiphenylamine	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Pentachlorophenol	ND (2.10)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Phenanthrene	**2.18** (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Phenol	ND (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Pyrene	**1.35** (0.418)		8270D		1	04/16/20 2:20	D0D0266	DD01519
Pyridine	ND (2.10)		8270D		1	04/16/20 2:20	D0D0266	DD01519

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*67 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*12 %*	*SM*	*30-130*
Surrogate: 2-Chlorophenol-d4	*33 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*66 %*		*30-130*
Surrogate: 2-Fluorophenol	*16 %*	*SM*	*30-130*
Surrogate: Nitrobenzene-d5	*68 %*		*30-130*
Surrogate: Phenol-d6	*51 %*		*30-130*
Surrogate: p-Terphenyl-d14	*94 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-D-041520
Date Sampled: 04/15/20 11:15
Percent Solids: 84

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-04
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	ND (1.14)		9014		1	EEM	04/16/20 15:15	mg/kg dry	DD01614

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SS-D-041520
Date Sampled: 04/15/20 11:15
Percent Solids: 84
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 20D0422
ESS Laboratory Sample ID: 20D0422-04
Sample Matrix: Soil

Analyst: SUB
Prepared: 4/20/20 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**1460** (100)		6010		1	SUB	04/20/20 12:44	mg/kg	DD02020

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20D0422

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DD01528 - 3050B										
Blank										
Barium	ND	0.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	0.50	mg/kg wet							
Lead	ND	0.50	mg/kg wet							
Selenium	ND	0.50	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Blank										
Arsenic	ND	0.25	mg/kg wet							
LCS										
Barium	347	8.06	mg/kg wet	343.0		101	80-120			
Cadmium	154	8.06	mg/kg wet	149.0		103	80-120			
Chromium	158	8.06	mg/kg wet	182.0		87	80-120			
Lead	328	8.06	mg/kg wet	333.0		99	80-120			
Selenium	183	8.06	mg/kg wet	169.0		108	80-120			
Silver	52.3	8.06	mg/kg wet	48.90		107	80-120			
LCS										
Arsenic	172	20.2	mg/kg wet	202.0		85	80-120			
LCS Dup										
Barium	309	7.25	mg/kg wet	343.0		90	80-120	12	20	
Cadmium	152	7.25	mg/kg wet	149.0		102	80-120	1	30	
Chromium	162	7.25	mg/kg wet	182.0		89	80-120	2	20	
Lead	321	7.25	mg/kg wet	333.0		96	80-120	2	20	
Selenium	182	7.25	mg/kg wet	169.0		108	80-120	0.2	30	
Silver	51.5	7.25	mg/kg wet	48.90		105	80-120	2	20	
LCS Dup										
Arsenic	153	18.1	mg/kg wet	202.0		76	80-120	11	20	B-
Reference										
Barium	465	10.6	mg/kg wet	500.0		93	70-130			
Cadmium	502	10.6	mg/kg wet	500.0		100	70-130			
Chromium	443	10.6	mg/kg wet	500.0		89	70-130			
Lead	460	10.6	mg/kg wet	500.0		92	70-130			
Silver	176	10.6	mg/kg wet	500.0		35	70-130			
Batch DD01529 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	7.60	0.639	mg/kg wet	7.760		98	80-120			
LCS Dup										
Mercury	8.00	0.609	mg/kg wet	7.760		103	80-120	5	20	
Reference										
Mercury	0.964	0.412	mg/kg wet	1000		0.1	0-200			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20D0422

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DD01635 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,1-Trichloroethane	ND	0.200	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,2-Trichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethene	ND	0.200	mg/kg wet							
1,1-Dichloropropene	ND	0.200	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,3-Trichloropropane	ND	0.200	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.200	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	1.00	mg/kg wet							
1,2-Dibromoethane	ND	0.200	mg/kg wet							
1,2-Dichlorobenzene	ND	0.200	mg/kg wet							
1,2-Dichloroethane	ND	0.200	mg/kg wet							
1,2-Dichloropropane	ND	0.200	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.200	mg/kg wet							
1,3-Dichlorobenzene	ND	0.200	mg/kg wet							
1,3-Dichloropropane	ND	0.200	mg/kg wet							
1,4-Dichlorobenzene	ND	0.200	mg/kg wet							
1,4-Dioxane - Screen	ND	40.0	mg/kg wet							
1-Chlorohexane	ND	0.200	mg/kg wet							
2,2-Dichloropropane	ND	0.200	mg/kg wet							
2-Butanone	ND	1.00	mg/kg wet							
2-Chlorotoluene	ND	0.200	mg/kg wet							
2-Hexanone	ND	1.00	mg/kg wet							
4-Chlorotoluene	ND	0.200	mg/kg wet							
4-Isopropyltoluene	ND	0.200	mg/kg wet							
4-Methyl-2-Pentanone	ND	1.00	mg/kg wet							
Acetone	ND	1.00	mg/kg wet							
Benzene	ND	0.200	mg/kg wet							
Bromobenzene	ND	0.200	mg/kg wet							
Bromochloromethane	ND	0.200	mg/kg wet							
Bromodichloromethane	ND	0.200	mg/kg wet							
Bromoform	ND	0.200	mg/kg wet							
Bromomethane	ND	0.200	mg/kg wet							
Carbon Disulfide	ND	0.200	mg/kg wet							
Carbon Tetrachloride	ND	0.200	mg/kg wet							
Chlorobenzene	ND	0.200	mg/kg wet							
Chloroethane	ND	0.200	mg/kg wet							
Chloroform	ND	0.200	mg/kg wet							
Chloromethane	ND	0.200	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.200	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.200	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20D0422

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DD01635 - 5035										
Dibromochloromethane	ND	0.200	mg/kg wet							
Dibromomethane	ND	0.200	mg/kg wet							
Dichlorodifluoromethane	ND	0.200	mg/kg wet							
Diethyl Ether	ND	0.200	mg/kg wet							
Di-isopropyl ether	ND	0.200	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.200	mg/kg wet							
Ethylbenzene	ND	0.200	mg/kg wet							
Hexachlorobutadiene	ND	0.200	mg/kg wet							
Isopropylbenzene	ND	0.200	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.200	mg/kg wet							
Methylene Chloride	ND	0.400	mg/kg wet							
Naphthalene	ND	0.200	mg/kg wet							
n-Butylbenzene	ND	0.200	mg/kg wet							
n-Propylbenzene	ND	0.200	mg/kg wet							
sec-Butylbenzene	ND	0.200	mg/kg wet							
Styrene	ND	0.200	mg/kg wet							
tert-Butylbenzene	ND	0.200	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.200	mg/kg wet							
Tetrachloroethene	ND	0.200	mg/kg wet							
Tetrahydrofuran	ND	1.00	mg/kg wet							
Toluene	ND	0.200	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.200	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Trichloroethene	ND	0.200	mg/kg wet							
Trichlorofluoromethane	ND	0.200	mg/kg wet							
Vinyl Acetate	ND	0.200	mg/kg wet							
Vinyl Chloride	ND	0.200	mg/kg wet							
Xylene O	ND	0.200	mg/kg wet							
Xylene P,M	ND	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*4.84*		mg/kg wet	*5.000*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.42*		mg/kg wet	*5.000*		*88*	*70-130*			
Surrogate: Dibromofluoromethane	*4.80*		mg/kg wet	*5.000*		*96*	*70-130*			
Surrogate: Toluene-d8	*4.53*		mg/kg wet	*5.000*		*91*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	2.11	0.200	mg/kg wet	2.000		106	70-130			
1,1,1-Trichloroethane	2.00	0.200	mg/kg wet	2.000		100	70-130			
1,1,2,2-Tetrachloroethane	2.09	0.200	mg/kg wet	2.000		104	70-130			
1,1,2-Trichloroethane	2.03	0.200	mg/kg wet	2.000		102	70-130			
1,1-Dichloroethane	2.02	0.200	mg/kg wet	2.000		101	70-130			
1,1-Dichloroethene	1.99	0.200	mg/kg wet	2.000		99	70-130			
1,1-Dichloropropene	1.98	0.200	mg/kg wet	2.000		99	70-130			
1,2,3-Trichlorobenzene	1.98	0.200	mg/kg wet	2.000		99	70-130			
1,2,3-Trichloropropane	1.64	0.200	mg/kg wet	2.000		82	70-130			
1,2,4-Trichlorobenzene	1.96	0.200	mg/kg wet	2.000		98	70-130			
1,2,4-Trimethylbenzene	1.98	0.200	mg/kg wet	2.000		99	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20D0422

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DD01635 - 5035										
1,2-Dibromo-3-Chloropropane	1.72	1.00	mg/kg wet	2.000		86	70-130			
1,2-Dibromoethane	2.06	0.200	mg/kg wet	2.000		103	70-130			
1,2-Dichlorobenzene	2.09	0.200	mg/kg wet	2.000		104	70-130			
1,2-Dichloroethane	2.07	0.200	mg/kg wet	2.000		103	70-130			
1,2-Dichloropropane	2.06	0.200	mg/kg wet	2.000		103	70-130			
1,3,5-Trimethylbenzene	2.05	0.200	mg/kg wet	2.000		103	70-130			
1,3-Dichlorobenzene	2.16	0.200	mg/kg wet	2.000		108	70-130			
1,3-Dichloropropane	2.13	0.200	mg/kg wet	2.000		106	70-130			
1,4-Dichlorobenzene	2.01	0.200	mg/kg wet	2.000		101	70-130			
1,4-Dioxane - Screen	63.6	40.0	mg/kg wet	40.00		159	44-241			
1-Chlorohexane	1.78	0.200	mg/kg wet	2.000		89	70-130			
2,2-Dichloropropane	1.91	0.200	mg/kg wet	2.000		96	70-130			
2-Butanone	9.52	1.00	mg/kg wet	10.00		95	70-130			
2-Chlorotoluene	2.01	0.200	mg/kg wet	2.000		100	70-130			
2-Hexanone	7.70	1.00	mg/kg wet	10.00		77	70-130			
4-Chlorotoluene	2.03	0.200	mg/kg wet	2.000		102	70-130			
4-Isopropyltoluene	1.86	0.200	mg/kg wet	2.000		93	70-130			
4-Methyl-2-Pentanone	8.78	1.00	mg/kg wet	10.00		88	70-130			
Acetone	7.85	1.00	mg/kg wet	10.00		79	70-130			
Benzene	1.99	0.200	mg/kg wet	2.000		99	70-130			
Bromobenzene	2.06	0.200	mg/kg wet	2.000		103	70-130			
Bromochloromethane	2.20	0.200	mg/kg wet	2.000		110	70-130			
Bromodichloromethane	2.07	0.200	mg/kg wet	2.000		103	70-130			
Bromoform	1.72	0.200	mg/kg wet	2.000		86	70-130			
Bromomethane	1.81	0.200	mg/kg wet	2.000		90	70-130			
Carbon Disulfide	1.82	0.200	mg/kg wet	2.000		91	70-130			
Carbon Tetrachloride	2.15	0.200	mg/kg wet	2.000		108	70-130			
Chlorobenzene	2.07	0.200	mg/kg wet	2.000		104	70-130			
Chloroethane	1.69	0.200	mg/kg wet	2.000		85	70-130			
Chloroform	2.09	0.200	mg/kg wet	2.000		104	70-130			
Chloromethane	1.49	0.200	mg/kg wet	2.000		74	70-130			
cis-1,2-Dichloroethene	2.06	0.200	mg/kg wet	2.000		103	70-130			
cis-1,3-Dichloropropene	2.03	0.200	mg/kg wet	2.000		102	70-130			
Dibromochloromethane	1.77	0.200	mg/kg wet	2.000		88	70-130			
Dibromomethane	2.10	0.200	mg/kg wet	2.000		105	70-130			
Dichlorodifluoromethane	1.57	0.200	mg/kg wet	2.000		78	70-130			
Diethyl Ether	1.69	0.200	mg/kg wet	2.000		85	70-130			
Di-isopropyl ether	1.98	0.200	mg/kg wet	2.000		99	70-130			
Ethyl tertiary-butyl ether	1.74	0.200	mg/kg wet	2.000		87	70-130			
Ethylbenzene	1.89	0.200	mg/kg wet	2.000		95	70-130			
Hexachlorobutadiene	2.04	0.200	mg/kg wet	2.000		102	70-130			
Isopropylbenzene	1.94	0.200	mg/kg wet	2.000		97	70-130			
Methyl tert-Butyl Ether	1.71	0.200	mg/kg wet	2.000		86	70-130			
Methylene Chloride	1.95	0.400	mg/kg wet	2.000		97	70-130			
Naphthalene	1.90	0.200	mg/kg wet	2.000		95	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 20D0422

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DD01635 - 5035										
n-Butylbenzene	1.93	0.200	mg/kg wet	2.000		97	70-130			
n-Propylbenzene	1.94	0.200	mg/kg wet	2.000		97	70-130			
sec-Butylbenzene	1.96	0.200	mg/kg wet	2.000		98	70-130			
Styrene	1.86	0.200	mg/kg wet	2.000		93	70-130			
tert-Butylbenzene	1.98	0.200	mg/kg wet	2.000		99	70-130			
Tertiary-amyl methyl ether	1.82	0.200	mg/kg wet	2.000		91	70-130			
Tetrachloroethene	1.53	0.200	mg/kg wet	2.000		76	70-130			
Tetrahydrofuran	1.57	1.00	mg/kg wet	2.000		78	70-130			
Toluene	2.09	0.200	mg/kg wet	2.000		104	70-130			
trans-1,2-Dichloroethene	2.11	0.200	mg/kg wet	2.000		106	70-130			
trans-1,3-Dichloropropene	1.62	0.200	mg/kg wet	2.000		81	70-130			
Trichloroethene	1.99	0.200	mg/kg wet	2.000		99	70-130			
Trichlorofluoromethane	2.02	0.200	mg/kg wet	2.000		101	70-130			
Vinyl Acetate	1.95	0.200	mg/kg wet	2.000		98	70-130			
Vinyl Chloride	1.61	0.200	mg/kg wet	2.000		80	70-130			
Xylene O	1.99	0.200	mg/kg wet	2.000		100	70-130			
Xylene P,M	4.10	0.400	mg/kg wet	4.000		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	*5.36*		mg/kg wet	*5.000*		*107*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.28*		mg/kg wet	*5.000*		*106*	*70-130*			
Surrogate: Dibromofluoromethane	*5.54*		mg/kg wet	*5.000*		*111*	*70-130*			
Surrogate: Toluene-d8	*5.19*		mg/kg wet	*5.000*		*104*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	2.07	0.200	mg/kg wet	2.000		104	70-130	2	25	
1,1,1-Trichloroethane	1.97	0.200	mg/kg wet	2.000		98	70-130	2	25	
1,1,2,2-Tetrachloroethane	2.12	0.200	mg/kg wet	2.000		106	70-130	1	25	
1,1,2-Trichloroethane	2.11	0.200	mg/kg wet	2.000		105	70-130	4	25	
1,1-Dichloroethane	2.00	0.200	mg/kg wet	2.000		100	70-130	1	25	
1,1-Dichloroethene	1.97	0.200	mg/kg wet	2.000		98	70-130	1	25	
1,1-Dichloropropene	2.04	0.200	mg/kg wet	2.000		102	70-130	3	25	
1,2,3-Trichlorobenzene	1.94	0.200	mg/kg wet	2.000		97	70-130	2	25	
1,2,3-Trichloropropane	1.69	0.200	mg/kg wet	2.000		85	70-130	3	25	
1,2,4-Trichlorobenzene	1.87	0.200	mg/kg wet	2.000		93	70-130	5	25	
1,2,4-Trimethylbenzene	2.06	0.200	mg/kg wet	2.000		103	70-130	4	25	
1,2-Dibromo-3-Chloropropane	1.62	1.00	mg/kg wet	2.000		81	70-130	6	25	
1,2-Dibromoethane	2.11	0.200	mg/kg wet	2.000		106	70-130	2	25	
1,2-Dichlorobenzene	2.14	0.200	mg/kg wet	2.000		107	70-130	2	25	
1,2-Dichloroethane	2.14	0.200	mg/kg wet	2.000		107	70-130	4	25	
1,2-Dichloropropane	1.96	0.200	mg/kg wet	2.000		98	70-130	5	25	
1,3,5-Trimethylbenzene	2.01	0.200	mg/kg wet	2.000		100	70-130	2	25	
1,3-Dichlorobenzene	2.06	0.200	mg/kg wet	2.000		103	70-130	5	25	
1,3-Dichloropropane	2.09	0.200	mg/kg wet	2.000		105	70-130	2	25	
1,4-Dichlorobenzene	2.12	0.200	mg/kg wet	2.000		106	70-130	5	25	
1,4-Dioxane - Screen	57.2	40.0	mg/kg wet	40.00		143	44-241	11	200	
1-Chlorohexane	1.80	0.200	mg/kg wet	2.000		90	70-130	1	25	
2,2-Dichloropropane	2.01	0.200	mg/kg wet	2.000		101	70-130	5	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 20D0422

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DD01635 - 5035										
2-Butanone	10.2	1.00	mg/kg wet	10.00		102	70-130	7	25	
2-Chlorotoluene	2.04	0.200	mg/kg wet	2.000		102	70-130	2	25	
2-Hexanone	7.77	1.00	mg/kg wet	10.00		78	70-130	0.9	25	
4-Chlorotoluene	1.96	0.200	mg/kg wet	2.000		98	70-130	4	25	
4-Isopropyltoluene	1.95	0.200	mg/kg wet	2.000		98	70-130	5	25	
4-Methyl-2-Pentanone	8.76	1.00	mg/kg wet	10.00		88	70-130	0.3	25	
Acetone	8.39	1.00	mg/kg wet	10.00		84	70-130	7	25	
Benzene	1.99	0.200	mg/kg wet	2.000		100	70-130	0.2	25	
Bromobenzene	2.05	0.200	mg/kg wet	2.000		103	70-130	0.5	25	
Bromochloromethane	2.21	0.200	mg/kg wet	2.000		110	70-130	0.4	25	
Bromodichloromethane	2.07	0.200	mg/kg wet	2.000		103	70-130	0	25	
Bromoform	1.78	0.200	mg/kg wet	2.000		89	70-130	3	25	
Bromomethane	1.91	0.200	mg/kg wet	2.000		95	70-130	5	25	
Carbon Disulfide	1.96	0.200	mg/kg wet	2.000		98	70-130	8	25	
Carbon Tetrachloride	2.17	0.200	mg/kg wet	2.000		109	70-130	1	25	
Chlorobenzene	2.08	0.200	mg/kg wet	2.000		104	70-130	0.4	25	
Chloroethane	1.75	0.200	mg/kg wet	2.000		88	70-130	3	25	
Chloroform	2.02	0.200	mg/kg wet	2.000		101	70-130	3	25	
Chloromethane	1.80	0.200	mg/kg wet	2.000		90	70-130	19	25	
cis-1,2-Dichloroethene	2.10	0.200	mg/kg wet	2.000		105	70-130	2	25	
cis-1,3-Dichloropropene	2.00	0.200	mg/kg wet	2.000		100	70-130	1	25	
Dibromochloromethane	1.79	0.200	mg/kg wet	2.000		89	70-130	1	25	
Dibromomethane	2.17	0.200	mg/kg wet	2.000		109	70-130	3	25	
Dichlorodifluoromethane	1.77	0.200	mg/kg wet	2.000		89	70-130	12	25	
Diethyl Ether	1.83	0.200	mg/kg wet	2.000		92	70-130	8	25	
Di-isopropyl ether	2.07	0.200	mg/kg wet	2.000		103	70-130	4	25	
Ethyl tertiary-butyl ether	1.80	0.200	mg/kg wet	2.000		90	70-130	4	25	
Ethylbenzene	2.05	0.200	mg/kg wet	2.000		102	70-130	8	25	
Hexachlorobutadiene	2.04	0.200	mg/kg wet	2.000		102	70-130	0.4	25	
Isopropylbenzene	2.03	0.200	mg/kg wet	2.000		101	70-130	5	25	
Methyl tert-Butyl Ether	1.82	0.200	mg/kg wet	2.000		91	70-130	6	25	
Methylene Chloride	1.95	0.400	mg/kg wet	2.000		98	70-130	0.1	25	
Naphthalene	1.91	0.200	mg/kg wet	2.000		96	70-130	0.9	25	
n-Butylbenzene	2.02	0.200	mg/kg wet	2.000		101	70-130	4	25	
n-Propylbenzene	2.01	0.200	mg/kg wet	2.000		100	70-130	3	25	
sec-Butylbenzene	1.99	0.200	mg/kg wet	2.000		99	70-130	1	25	
Styrene	1.98	0.200	mg/kg wet	2.000		99	70-130	6	25	
tert-Butylbenzene	1.98	0.200	mg/kg wet	2.000		99	70-130	0.2	25	
Tertiary-amyl methyl ether	1.92	0.200	mg/kg wet	2.000		96	70-130	5	25	
Tetrachloroethene	1.52	0.200	mg/kg wet	2.000		76	70-130	0.3	25	
Tetrahydrofuran	1.78	1.00	mg/kg wet	2.000		89	70-130	13	25	
Toluene	2.08	0.200	mg/kg wet	2.000		104	70-130	0.7	25	
trans-1,2-Dichloroethene	2.02	0.200	mg/kg wet	2.000		101	70-130	4	25	
trans-1,3-Dichloropropene	1.68	0.200	mg/kg wet	2.000		84	70-130	3	25	
Trichloroethene	2.01	0.200	mg/kg wet	2.000		100	70-130	1	25	

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Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 20D0422

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DD01635 - 5035										
Trichlorofluoromethane	2.10	0.200	mg/kg wet	2.000		105	70-130	4	25	
Vinyl Acetate	2.08	0.200	mg/kg wet	2.000		104	70-130	6	25	
Vinyl Chloride	1.96	0.200	mg/kg wet	2.000		98	70-130	20	25	
Xylene O	1.97	0.200	mg/kg wet	2.000		99	70-130	0.9	25	
Xylene P,M	4.18	0.400	mg/kg wet	4.000		105	70-130	2	25	
Surrogate: 1,2-Dichloroethane-d4	*5.50*		mg/kg wet	*5.000*		*110*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.28*		mg/kg wet	*5.000*		*106*	*70-130*			
Surrogate: Dibromofluoromethane	*5.92*		mg/kg wet	*5.000*		*118*	*70-130*			
Surrogate: Toluene-d8	*5.29*		mg/kg wet	*5.000*		*106*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch DD01422 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	5.6	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.16*		mg/kg wet	*5.000*		*83*	*40-140*			
LCS										
Decane (C10)	1.9	0.2	mg/kg wet	2.500		76	40-140			
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		81	40-140			
Eicosane (C20)	2.1	0.2	mg/kg wet	2.500		86	40-140			
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		86	40-140			
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		83	40-140			
Nonadecane (C19)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Nonane (C9)	1.7	0.2	mg/kg wet	2.500		69	30-140			
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		83	40-140			
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		81	40-140			
Total Petroleum Hydrocarbons	29.3	37.5	mg/kg wet	35.00		84	40-140			
Triacontane (C30)	2.1	0.2	mg/kg wet	2.500		85	40-140			

CERTIFICATE OF ANALYSIS

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ESS Laboratory Work Order: 20D0422

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DD01422 - 3546										
Surrogate: O-Terphenyl	*4.24*		mg/kg wet	*5.000*		*85*	*40-140*			
LCS Dup										
Decane (C10)	1.9	0.2	mg/kg wet	2.500		78	40-140	2	25	
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		90	40-140	3	25	
Dodecane (C12)	2.1	0.2	mg/kg wet	2.500		83	40-140	2	25	
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		89	40-140	3	25	
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		89	40-140	3	25	
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		85	40-140	3	25	
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		88	40-140	3	25	
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		71	30-140	2	25	
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		89	40-140	2	25	
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		85	40-140	3	25	
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		89	40-140	3	25	
Tetradecane (C14)	2.1	0.2	mg/kg wet	2.500		83	40-140	2	25	
Total Petroleum Hydrocarbons	30.0	37.5	mg/kg wet	35.00		86	40-140	2	25	
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		86	40-140	2	25	
Surrogate: O-Terphenyl	*4.28*		mg/kg wet	*5.000*		*86*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DD01519 - 3546										
Blank										
1,1-Biphenyl	ND	0.100	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.110	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.167	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20D0422

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD01519 - 3546										
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.167	mg/kg wet							
Benzo(a)pyrene	ND	0.083	mg/kg wet							
Benzo(b)fluoranthene	ND	0.083	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.083	mg/kg wet							
Benzo(k)fluoranthene	ND	0.100	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.100	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.067	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.067	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.067	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.110	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.110	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD01519 - 3546										
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	0.333	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.18*		mg/kg wet	*3.333*		*65*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.68*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.37*		mg/kg wet	*5.000*		*67*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.25*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: 2-Fluorophenol	*3.41*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.26*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: Phenol-d6	*3.47*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.02*		mg/kg wet	*3.333*		*91*	*30-130*			
LCS										
1,1-Biphenyl	2.15	0.333	mg/kg wet	3.333		65	40-140			
1,2,4-Trichlorobenzene	2.10	0.333	mg/kg wet	3.333		63	40-140			
1,2-Dichlorobenzene	2.02	0.333	mg/kg wet	3.333		61	40-140			
1,3-Dichlorobenzene	1.96	0.333	mg/kg wet	3.333		59	40-140			
1,4-Dichlorobenzene	2.00	0.333	mg/kg wet	3.333		60	40-140			
2,3,4,6-Tetrachlorophenol	2.58	1.67	mg/kg wet	3.333		77	30-130			
2,4,5-Trichlorophenol	2.66	0.333	mg/kg wet	3.333		80	30-130			
2,4,6-Trichlorophenol	2.48	0.333	mg/kg wet	3.333		74	30-130			
2,4-Dichlorophenol	2.50	0.333	mg/kg wet	3.333		75	30-130			
2,4-Dimethylphenol	2.53	0.333	mg/kg wet	3.333		76	30-130			
2,4-Dinitrophenol	2.75	1.67	mg/kg wet	3.333		83	30-130			
2,4-Dinitrotoluene	3.00	0.333	mg/kg wet	3.333		90	40-140			
2,6-Dinitrotoluene	2.80	0.333	mg/kg wet	3.333		84	40-140			
2-Chloronaphthalene	2.29	0.333	mg/kg wet	3.333		69	40-140			
2-Chlorophenol	2.24	0.333	mg/kg wet	3.333		67	30-130			
2-Methylnaphthalene	2.28	0.333	mg/kg wet	3.333		68	40-140			
2-Methylphenol	2.36	0.333	mg/kg wet	3.333		71	30-130			
2-Nitroaniline	2.92	0.333	mg/kg wet	3.333		87	40-140			
2-Nitrophenol	2.27	0.333	mg/kg wet	3.333		68	30-130			
3,3´-Dichlorobenzidine	2.47	0.667	mg/kg wet	3.333		74	40-140			
3+4-Methylphenol	5.00	0.667	mg/kg wet	6.667		75	30-130			
3-Nitroaniline	2.67	0.333	mg/kg wet	3.333		80	40-140			
4,6-Dinitro-2-Methylphenol	3.12	1.67	mg/kg wet	3.333		94	30-130			
4-Bromophenyl-phenylether	2.72	0.333	mg/kg wet	3.333		82	40-140			
4-Chloro-3-Methylphenol	2.70	0.333	mg/kg wet	3.333		81	30-130			
4-Chloroaniline	1.28	0.667	mg/kg wet	3.333		39	40-140			B-
4-Chloro-phenyl-phenyl ether	2.59	0.333	mg/kg wet	3.333		78	40-140			
4-Nitroaniline	2.92	0.333	mg/kg wet	3.333		88	40-140			
4-Nitrophenol	2.83	1.67	mg/kg wet	3.333		85	30-130			
Acenaphthene	2.36	0.333	mg/kg wet	3.333		71	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20D0422

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD01519 - 3546										
Acenaphthylene	2.17	0.333	mg/kg wet	3.333		65	40-140			
Acetophenone	2.19	0.667	mg/kg wet	3.333		66	40-140			
Aniline	1.70	0.667	mg/kg wet	3.333		51	40-140			
Anthracene	2.74	0.333	mg/kg wet	3.333		82	40-140			
Azobenzene	2.54	0.333	mg/kg wet	3.333		76	40-140			
Benzo(a)anthracene	2.95	0.333	mg/kg wet	3.333		89	40-140			
Benzo(a)pyrene	3.09	0.167	mg/kg wet	3.333		93	40-140			
Benzo(b)fluoranthene	3.19	0.333	mg/kg wet	3.333		96	40-140			
Benzo(g,h,i)perylene	3.08	0.333	mg/kg wet	3.333		92	40-140			
Benzo(k)fluoranthene	2.99	0.333	mg/kg wet	3.333		90	40-140			
Benzoic Acid	2.18	1.67	mg/kg wet	3.333		65	40-140			
Benzyl Alcohol	1.98	0.333	mg/kg wet	3.333		59	40-140			
bis(2-Chloroethoxy)methane	2.28	0.333	mg/kg wet	3.333		68	40-140			
bis(2-Chloroethyl)ether	2.15	0.333	mg/kg wet	3.333		64	40-140			
bis(2-chloroisopropyl)Ether	2.08	0.333	mg/kg wet	3.333		63	40-140			
bis(2-Ethylhexyl)phthalate	2.85	0.333	mg/kg wet	3.333		86	40-140			
Butylbenzylphthalate	3.06	0.333	mg/kg wet	3.333		92	40-140			
Carbazole	2.99	0.333	mg/kg wet	3.333		90	40-140			
Chrysene	2.92	0.167	mg/kg wet	3.333		88	40-140			
Dibenzo(a,h)Anthracene	3.12	0.167	mg/kg wet	3.333		94	40-140			
Dibenzofuran	2.46	0.333	mg/kg wet	3.333		74	40-140			
Diethylphthalate	2.84	0.333	mg/kg wet	3.333		85	40-140			
Dimethylphthalate	2.65	0.333	mg/kg wet	3.333		79	40-140			
Di-n-butylphthalate	3.03	0.333	mg/kg wet	3.333		91	40-140			
Di-n-octylphthalate	2.81	0.333	mg/kg wet	3.333		84	40-140			
Fluoranthene	2.93	0.333	mg/kg wet	3.333		88	40-140			
Fluorene	2.66	0.333	mg/kg wet	3.333		80	40-140			
Hexachlorobenzene	2.83	0.167	mg/kg wet	3.333		85	40-140			
Hexachlorobutadiene	2.08	0.333	mg/kg wet	3.333		62	40-140			
Hexachlorocyclopentadiene	1.32	1.67	mg/kg wet	3.333		40	40-140			
Hexachloroethane	1.97	0.333	mg/kg wet	3.333		59	40-140			
Indeno(1,2,3-cd)Pyrene	3.08	0.333	mg/kg wet	3.333		92	40-140			
Isophorone	1.96	0.333	mg/kg wet	3.333		59	40-140			
Naphthalene	2.18	0.333	mg/kg wet	3.333		65	40-140			
Nitrobenzene	2.20	0.333	mg/kg wet	3.333		66	40-140			
N-Nitrosodimethylamine	1.77	0.333	mg/kg wet	3.333		53	40-140			
N-Nitroso-Di-n-Propylamine	2.33	0.333	mg/kg wet	3.333		70	40-140			
N-nitrosodiphenylamine	2.73	0.333	mg/kg wet	3.333		82	40-140			
Pentachlorophenol	2.73	1.67	mg/kg wet	3.333		82	30-130			
Phenanthrene	2.76	0.333	mg/kg wet	3.333		83	40-140			
Phenol	2.50	0.333	mg/kg wet	3.333		75	30-130			
Pyrene	2.92	0.333	mg/kg wet	3.333		88	40-140			
Pyridine	1.72	1.67	mg/kg wet	3.333		52	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.07*		mg/kg wet	*3.333*		*62*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.37*		mg/kg wet	*5.000*		*87*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20D0422

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD01519 - 3546										
Surrogate: 2-Chlorophenol-d4	*3.48*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.47*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*3.40*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.32*		mg/kg wet	*3.333*		*69*	*30-130*			
Surrogate: Phenol-d6	*3.72*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.10*		mg/kg wet	*3.333*		*93*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.16	0.333	mg/kg wet	3.333		65	40-140	0.5	30	
1,2,4-Trichlorobenzene	2.25	0.333	mg/kg wet	3.333		68	40-140	7	30	
1,2-Dichlorobenzene	2.26	0.333	mg/kg wet	3.333		68	40-140	11	30	
1,3-Dichlorobenzene	2.19	0.333	mg/kg wet	3.333		66	40-140	11	30	
1,4-Dichlorobenzene	2.21	0.333	mg/kg wet	3.333		66	40-140	10	30	
2,3,4,6-Tetrachlorophenol	2.84	1.67	mg/kg wet	3.333		85	30-130	10	30	
2,4,5-Trichlorophenol	2.79	0.333	mg/kg wet	3.333		84	30-130	5	30	
2,4,6-Trichlorophenol	2.58	0.333	mg/kg wet	3.333		77	30-130	4	30	
2,4-Dichlorophenol	2.70	0.333	mg/kg wet	3.333		81	30-130	7	30	
2,4-Dimethylphenol	2.68	0.333	mg/kg wet	3.333		80	30-130	6	30	
2,4-Dinitrophenol	3.15	1.67	mg/kg wet	3.333		95	30-130	14	30	
2,4-Dinitrotoluene	3.30	0.333	mg/kg wet	3.333		99	40-140	10	30	
2,6-Dinitrotoluene	2.98	0.333	mg/kg wet	3.333		90	40-140	6	30	
2-Chloronaphthalene	2.34	0.333	mg/kg wet	3.333		70	40-140	2	30	
2-Chlorophenol	2.50	0.333	mg/kg wet	3.333		75	30-130	11	30	
2-Methylnaphthalene	2.48	0.333	mg/kg wet	3.333		74	40-140	8	30	
2-Methylphenol	2.66	0.333	mg/kg wet	3.333		80	30-130	12	30	
2-Nitroaniline	3.11	0.333	mg/kg wet	3.333		93	40-140	6	30	
2-Nitrophenol	2.44	0.333	mg/kg wet	3.333		73	30-130	7	30	
3,3´-Dichlorobenzidine	2.38	0.667	mg/kg wet	3.333		72	40-140	3	30	
3+4-Methylphenol	5.61	0.667	mg/kg wet	6.667		84	30-130	11	30	
3-Nitroaniline	2.81	0.333	mg/kg wet	3.333		84	40-140	5	30	
4,6-Dinitro-2-Methylphenol	3.30	1.67	mg/kg wet	3.333		99	30-130	6	30	
4-Bromophenyl-phenylether	2.72	0.333	mg/kg wet	3.333		82	40-140	0.09	30	
4-Chloro-3-Methylphenol	3.06	0.333	mg/kg wet	3.333		92	30-130	12	30	
4-Chloroaniline	1.22	0.667	mg/kg wet	3.333		37	40-140	5	30	B-
4-Chloro-phenyl-phenyl ether	2.75	0.333	mg/kg wet	3.333		83	40-140	6	30	
4-Nitroaniline	3.03	0.333	mg/kg wet	3.333		91	40-140	4	30	
4-Nitrophenol	3.19	1.67	mg/kg wet	3.333		96	30-130	12	30	
Acenaphthene	2.47	0.333	mg/kg wet	3.333		74	40-140	4	30	
Acenaphthylene	2.26	0.333	mg/kg wet	3.333		68	40-140	4	30	
Acetophenone	2.43	0.667	mg/kg wet	3.333		73	40-140	11	30	
Aniline	1.82	0.667	mg/kg wet	3.333		55	40-140	7	30	
Anthracene	2.84	0.333	mg/kg wet	3.333		85	40-140	4	30	
Azobenzene	2.53	0.333	mg/kg wet	3.333		76	40-140	0.6	30	
Benzo(a)anthracene	2.98	0.333	mg/kg wet	3.333		89	40-140	0.9	30	
Benzo(a)pyrene	3.15	0.167	mg/kg wet	3.333		95	40-140	2	30	
Benzo(b)fluoranthene	3.11	0.333	mg/kg wet	3.333		93	40-140	2	30	

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD01519 - 3546										
Benzo(g,h,i)perylene	3.12	0.333	mg/kg wet	3.333		94	40-140	1	30	
Benzo(k)fluoranthene	3.15	0.333	mg/kg wet	3.333		95	40-140	5	30	
Benzoic Acid	2.55	1.67	mg/kg wet	3.333		76	40-140	15	30	
Benzyl Alcohol	2.22	0.333	mg/kg wet	3.333		67	40-140	11	30	
bis(2-Chloroethoxy)methane	2.42	0.333	mg/kg wet	3.333		73	40-140	6	30	
bis(2-Chloroethyl)ether	2.39	0.333	mg/kg wet	3.333		72	40-140	11	30	
bis(2-chloroisopropyl)Ether	2.27	0.333	mg/kg wet	3.333		68	40-140	9	30	
bis(2-Ethylhexyl)phthalate	2.88	0.333	mg/kg wet	3.333		86	40-140	1	30	
Butylbenzylphthalate	3.08	0.333	mg/kg wet	3.333		92	40-140	0.7	30	
Carbazole	3.14	0.333	mg/kg wet	3.333		94	40-140	5	30	
Chrysene	2.96	0.167	mg/kg wet	3.333		89	40-140	2	30	
Dibenzo(a,h)Anthracene	3.17	0.167	mg/kg wet	3.333		95	40-140	2	30	
Dibenzofuran	2.60	0.333	mg/kg wet	3.333		78	40-140	6	30	
Diethylphthalate	3.04	0.333	mg/kg wet	3.333		91	40-140	7	30	
Dimethylphthalate	2.80	0.333	mg/kg wet	3.333		84	40-140	5	30	
Di-n-butylphthalate	3.14	0.333	mg/kg wet	3.333		94	40-140	4	30	
Di-n-octylphthalate	2.75	0.333	mg/kg wet	3.333		83	40-140	2	30	
Fluoranthene	3.10	0.333	mg/kg wet	3.333		93	40-140	6	30	
Fluorene	2.86	0.333	mg/kg wet	3.333		86	40-140	7	30	
Hexachlorobenzene	2.86	0.167	mg/kg wet	3.333		86	40-140	0.8	30	
Hexachlorobutadiene	2.21	0.333	mg/kg wet	3.333		66	40-140	6	30	
Hexachlorocyclopentadiene	1.32	1.67	mg/kg wet	3.333		40	40-140	0.4	30	
Hexachloroethane	2.19	0.333	mg/kg wet	3.333		66	40-140	10	30	
Indeno(1,2,3-cd)Pyrene	3.15	0.333	mg/kg wet	3.333		94	40-140	2	30	
Isophorone	2.09	0.333	mg/kg wet	3.333		63	40-140	6	30	
Naphthalene	2.33	0.333	mg/kg wet	3.333		70	40-140	7	30	
Nitrobenzene	2.35	0.333	mg/kg wet	3.333		71	40-140	7	30	
N-Nitrosodimethylamine	1.95	0.333	mg/kg wet	3.333		59	40-140	10	30	
N-Nitroso-Di-n-Propylamine	2.58	0.333	mg/kg wet	3.333		78	40-140	10	30	
N-nitrosodiphenylamine	2.73	0.333	mg/kg wet	3.333		82	40-140	0.02	30	
Pentachlorophenol	2.92	1.67	mg/kg wet	3.333		87	30-130	7	30	
Phenanthrene	2.84	0.333	mg/kg wet	3.333		85	40-140	3	30	
Phenol	2.83	0.333	mg/kg wet	3.333		85	30-130	12	30	
Pyrene	2.89	0.333	mg/kg wet	3.333		87	40-140	0.8	30	
Pyridine	1.86	1.67	mg/kg wet	3.333		56	40-140	8	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.28*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.31*		mg/kg wet	*5.000*		*86*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.78*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.39*		mg/kg wet	*3.333*		*72*	*30-130*			
Surrogate: 2-Fluorophenol	*3.72*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.43*		mg/kg wet	*3.333*		*73*	*30-130*			
Surrogate: Phenol-d6	*4.02*		mg/kg wet	*5.000*		*80*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.98*		mg/kg wet	*3.333*		*89*	*30-130*			
Classical Chemistry										

CERTIFICATE OF ANALYSIS

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Client Project ID: FPLP

ESS Laboratory Work Order: 20D0422

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Classical Chemistry										
Batch DD01614 - TCN Prep										
Blank										
Total Cyanide	ND	1.00	mg/kg wet							
LCS										
Total Cyanide	4.84	1.00	mg/kg wet	5.015		97	90-110			
Reference										
Total Cyanide	143	9.90	mg/kg wet	157.0		91	24-110			
Reference										
Total Cyanide	142	9.81	mg/kg wet	157.0		91	24-110			
Metals Preparation										
Batch DD01528 - 3050B										
Blank										
Prep	0.00		N/A							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20D0422

Notes and Definitions

U	Analyte included in the analysis, but not detected
SM	Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution/matrix is present) (SM).
Q	Calibration required quadratic regression (Q).
J	Reported between MDL and MRL
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20D0422

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

Sterling Analytical, Inc.
15 Agawam Avenue
West Springfield, MA 01089
Phone (413) 214-6541 Fax (413) 214-6842
email-madhu@sterlinganalytical.com

Visit our website: www.sterlinganalytical.com

Mass Certification - MA-00071
Conn Certification - PH-0520

Report Date April 20, 2020

Customer	Contact	Laboratory Supervisor	eMail
ESS Laboratory	S. Morrell	Madhu Shah	customerservice@sterlinganalytical.com

Sample Description
Analysis of Soil Samples

Samples Analyzed

Enclosed are Report No(s): 70421..70424

*Results reported on 'Dry Basis'.

Sulfur Total Blank = <0.05ppm

LCS Lo Check 0.100 = 0.099ppm

ICV 1.00 = 1.043ppm

Thank you for your business

madhu shah

Madhu Shah, Laboratory Supervisor

4/20/2020

Date

ALL the information contained in this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method.
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Sample	Description	Source	Taken/Time	Received
70421	20D0422-01	ESS Laboratory	4/15/20	4/16/20

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	1,330	mg/kg	100.00	SW 846 6010	04/20/20	dfp

Sample	Description	Source	Taken/Time	Received
70422	20D0422-02	ESS Laboratory	4/15/20	4/16/20

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	1,380	mg/kg	100.00	SW 846 6010	04/20/20	dfp

Sample	Description	Source	Taken/Time	Received
70423	20D0422-03	ESS Laboratory	4/15/20	4/16/20

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	1,080	mg/kg	100.00	SW 846 6010	04/20/20	dfp

Sample	Description	Source	Taken/Time	Received
70424	20D0422-04	ESS Laboratory	4/15/20	4/16/20

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	1,460	mg/kg	100.00	SW 846 6010	04/20/20	dfp

ESS Laboratory — Sterling — CHAIN OF CUSTODY

ESS Lab # 20D0422

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

Turn Time **DUE DATE: 4/17/20**

Regulatory State: MA **RI** CT NH NJ NY ME Other_____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other_____

Reporting Limits - _____

Electonic Deliverables Excel Access PDF

Co. Name: ESS LABORATORY	Project #:	Project Name: 20D0422	
Contact Person: Shawn Morrell / Heather Masse	Address:		
City:	State:	Zip:	PO #: B03046
Tel.	Email: Smorrell@thielsch.com; Hmasse@thielsch.com		

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	Analysis: Total Sulfur 6010 mg/Kg
	4/15/20	1105	C	S	20D0422-01					X
	4/15/20	1105	C	S	20D0422-02					X
	4/15/20	1115	C	S	20D0422-03					X
	4/15/20	1115	C	S	20D0422-04					X

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present _____Yes _____No

Seals Intact ____Yes _____No NA:___

Cooler Temperature: _____

Internal Use Only

[ ] Pickup

[ ] Technician___

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Sampled by :

Comments: **QC required MB and LCS**

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
4/16/20 8:45	4/16/20 8:44am	4/16/20 12:37PM	4/16/20
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

CHAIN OF CUSTODY

ESS LABORATORY
185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

ESS Lab # 2010422 | Page of

Turn Time: ☒ >5 ☐ 5 ☐ 4 ☐ 3 ☒ 2 ☐ 1 ☐ Same Day

Regulatory State: Rhode Island Criteria:

Is this project for any of the following?: ☐ CT RCP ☐ MA MCP ☐ RGP ☒ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF)

☐ Limit Checker ☐ State Forms ☐ EQuIS
☒ Excel ☐ Hard Copy ☐ Enviro Data
☐ CLP-Like Package ☒ Other (Specify) → PDF

CLIENT INFORMATION

Client: GZA
Address: 188 Valley St. Suite 300 Providence RI
Phone: 401 421 4140
Email Distribution List: Sara.Haupt@GZA.com

PROJECT INFORMATION

Project Name: FPLP STBAP Compliance
Project Location: 642 Allens Ave
Project Number: 33554.04 / T06
Project Manager: Sara Haupt
Bill to: Sara Haupt
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	VOC 8260	SVOC 8270	TPH 8100	Total Sulfur	TCN	Total Metals (1.)	Total Number of Bottles
1	4-15	11:05	Composite	Soil	SS-A-041520	X	X	X	X	X	X	
2	4-15	11:05	Composite	Soil	SS-B-041520	X	X	X	X	X	X	
3	4-15	11:15	Composite	Soil	SS-C-041520	X	X	X	X	X	X	
4	4-15	11:15	Composite	Soil	SS-D-041520	X	X	X	X	X	X	

Container Type:	AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial					V	V	~~46~~	~~46~~	~~46~~	~~46~~	
Container Volume:	1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*					7	7	10	9	10	10	
Preservation Code:	1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*					6	1	1	1	1	1	

Sampled by: Ben Barnes / Mark Dalpe

Chain needs to be filled out neatly and completely for on time delivery.

Laboratory Use Only
Cooler Temperature (°C): 19

Comments: * Please specify "Other" preservative and containers types in this space
1.) Total Metals: BCBA 8
2.) National Grid rates apply
3.) TCLP >20x Bole

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration
☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
[signature]	4/15/20	1403	[signature]				[signature] 4/15/20 15:02
Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)

CERTIFICATE OF ANALYSIS

Sara Haupt
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: FPLP (03.0033554.04 Task 6.2)
ESS Laboratory Work Order Number: 20J0123

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 5:13 pm, Oct 14, 2020

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Sterling Analytical Lab - West Springfield, MA	Sulfur, Sulfur (Subcontracted)

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20J0123

SAMPLE RECEIPT

The following samples were received on October 06, 2020 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	Sample Name	Matrix	Analysis
20J0123-01	SP100620-1	Soil	6010, 6010C, 7471B, 8100M, 8260B, 8270D, 9014
20J0123-02	SP100620-2	Soil	6010, 6010C, 7471B, 8100M, 8260B, 8270D, 9014

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20J0123

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Methanol

20J0123-01 **Surrogate recovery(ies) above upper control limit (S+).**
1,2-Dichloroethane-d4 (157% @ 70-130%), 4-Bromofluorobenzene (146% @ 70-130%), Dibromofluoromethane (147% @ 70-130%), Toluene-d8 (143% @ 70-130%)

20J0123-02 **Surrogate recovery(ies) above upper control limit (S+).**
1,2-Dichloroethane-d4 (140% @ 70-130%)

D0J0121-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
1,4-Dioxane - Screen (33% @ 30%)

DJ00733-BS1 **Blank Spike recovery is below lower control limit (B-).**
Dichlorodifluoromethane (66% @ 70-130%)

DJ00733-BSD1 **Blank Spike recovery is below lower control limit (B-).**
Dichlorodifluoromethane (68% @ 70-130%)

8270D Semi-Volatile Organic Compounds

D0J0101-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (109% @ 80-120%), 4,6-Dinitro-2-Methylphenol (100% @ 80-120%), Benzoic Acid (91% @ 80-120%)

D0J0102-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (106% @ 80-120%), 4,6-Dinitro-2-Methylphenol (130% @ 80-120%), Benzoic Acid (110% @ 80-120%), Pentachlorophenol (118% @ 80-120%)

D0J0102-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
4,6-Dinitro-2-Methylphenol (30% @ 20%)

D0J0102-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
4-Chloroaniline (23% @ 20%), Aniline (29% @ 20%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20J0123

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP100620-1
Date Sampled: 10/06/20 08:34
Percent Solids: 92

ESS Laboratory Work Order: 20J0123
ESS Laboratory Sample ID: 20J0123-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.63** (2.43)		6010C		1	KJK	10/08/20 7:34	2.24	100	DJ00636
Barium	**49.9** (2.43)		6010C		1	KJK	10/08/20 7:34	2.24	100	DJ00636
Cadmium	ND (0.49)		6010C		1	KJK	10/08/20 7:34	2.24	100	DJ00636
Chromium	**9.41** (0.97)		6010C		1	KJK	10/08/20 7:34	2.24	100	DJ00636
Lead	**34.2** (4.86)		6010C		1	KJK	10/08/20 7:34	2.24	100	DJ00636
Mercury	**0.067** (0.031)		7471B		1	MKS	10/07/20 11:03	0.7	40	DJ00637
Selenium	ND (4.86)		6010C		1	KJK	10/08/20 7:34	2.24	100	DJ00636
Silver	ND (0.49)		6010C		1	KJK	10/08/20 7:34	2.24	100	DJ00636

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP100620-1
Date Sampled: 10/06/20 08:34
Percent Solids: 92
Initial Volume: 29.5
Final Volume: 30
Extraction Method: 5035

ESS Laboratory Work Order: 20J0123
ESS Laboratory Sample ID: 20J0123-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1,1,1-Trichloroethane	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1,1,2,2-Tetrachloroethane	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1,1,2-Trichloroethane	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1,1-Dichloroethane	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1,1-Dichloroethene	ND (0.239)	0.0717	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1,1-Dichloropropene	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1,2,3-Trichlorobenzene	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1,2,3-Trichloropropane	ND (0.239)	0.0717	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1,2,4-Trichlorobenzene	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1,2,4-Trimethylbenzene	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1,2-Dibromo-3-Chloropropane	ND (1.20)	0.239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1,2-Dibromoethane	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1,2-Dichlorobenzene	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1,2-Dichloroethane	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1,2-Dichloropropane	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1,3,5-Trimethylbenzene	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1,3-Dichlorobenzene	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1,3-Dichloropropane	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1,4-Dichlorobenzene	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1,4-Dioxane - Screen	ND (47.8)	45.4	8260B		1	10/07/20 13:19	D0J0121	DJ00733
1-Chlorohexane	ND (0.239)	0.0956	8260B		1	10/07/20 13:19	D0J0121	DJ00733
2,2-Dichloropropane	ND (0.239)	0.0717	8260B		1	10/07/20 13:19	D0J0121	DJ00733
2-Butanone	ND (1.20)	0.813	8260B		1	10/07/20 13:19	D0J0121	DJ00733
2-Chlorotoluene	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
2-Hexanone	ND (1.20)	0.359	8260B		1	10/07/20 13:19	D0J0121	DJ00733
4-Chlorotoluene	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
4-Isopropyltoluene	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
4-Methyl-2-Pentanone	ND (1.20)	0.382	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Acetone	ND (1.20)	0.645	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Benzene	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Bromobenzene	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP100620-1
Date Sampled: 10/06/20 08:34
Percent Solids: 92
Initial Volume: 29.5
Final Volume: 30
Extraction Method: 5035

ESS Laboratory Work Order: 20J0123
ESS Laboratory Sample ID: 20J0123-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.239)	0.0717	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Bromodichloromethane	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Bromoform	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Bromomethane	ND (0.239)	0.0956	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Carbon Disulfide	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Carbon Tetrachloride	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Chlorobenzene	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Chloroethane	ND (0.239)	0.0956	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Chloroform	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Chloromethane	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
cis-1,2-Dichloroethene	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
cis-1,3-Dichloropropene	ND (0.239)	0.0717	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Dibromochloromethane	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Dibromomethane	ND (0.239)	0.0717	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Dichlorodifluoromethane	ND (0.239)	0.0717	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Diethyl Ether	ND (0.239)	0.0717	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Di-isopropyl ether	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Ethyl tertiary-butyl ether	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Ethylbenzene	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Hexachlorobutadiene	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Isopropylbenzene	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Methyl tert-Butyl Ether	ND (0.239)	0.0717	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Methylene Chloride	**J 0.213** (0.478)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Naphthalene	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
n-Butylbenzene	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
n-Propylbenzene	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
sec-Butylbenzene	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Styrene	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
tert-Butylbenzene	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Tertiary-amyl methyl ether	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Tetrachloroethene	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Tetrahydrofuran	ND (1.20)	0.382	8260B		1	10/07/20 13:19	D0J0121	DJ00733

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP100620-1
Date Sampled: 10/06/20 08:34
Percent Solids: 92
Initial Volume: 29.5
Final Volume: 30
Extraction Method: 5035

ESS Laboratory Work Order: 20J0123
ESS Laboratory Sample ID: 20J0123-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
trans-1,2-Dichloroethene	ND (0.239)	0.0717	8260B		1	10/07/20 13:19	D0J0121	DJ00733
trans-1,3-Dichloropropene	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Trichloroethene	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Trichlorofluoromethane	ND (0.239)	0.0956	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Vinyl Acetate	ND (0.239)	0.120	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Vinyl Chloride	ND (0.239)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Xylene O	ND (0.239)	0.0239	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Xylene P,M	ND (0.478)	0.0478	8260B		1	10/07/20 13:19	D0J0121	DJ00733
Xylenes (Total)	ND (0.478)		8260B		1	10/07/20 13:19		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*157 %*	*S+*	*70-130*
Surrogate: 4-Bromofluorobenzene	*146 %*	*S+*	*70-130*
Surrogate: Dibromofluoromethane	*147 %*	*S+*	*70-130*
Surrogate: Toluene-d8	*143 %*	*S+*	*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP100620-1
Date Sampled: 10/06/20 08:34
Percent Solids: 92
Initial Volume: 19.5
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 20J0123
ESS Laboratory Sample ID: 20J0123-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: AMF
Prepared: 10/8/20 17:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**177** (41.9)		8100M		1	10/08/20 20:18	D0J0129	DJ00873

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*102 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP100620-1
Date Sampled: 10/06/20 08:34
Percent Solids: 92
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20J0123
ESS Laboratory Sample ID: 20J0123-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 10/6/20 12:40

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
1,2,4-Trichlorobenzene	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
1,2-Dichlorobenzene	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
1,3-Dichlorobenzene	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
1,4-Dichlorobenzene	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
2,3,4,6-Tetrachlorophenol	ND (1.77)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
2,4,5-Trichlorophenol	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
2,4,6-Trichlorophenol	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
2,4-Dichlorophenol	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
2,4-Dimethylphenol	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
2,4-Dinitrophenol	ND (1.77)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
2,4-Dinitrotoluene	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
2,6-Dinitrotoluene	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
2-Chloronaphthalene	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
2-Chlorophenol	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
2-Methylnaphthalene	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
2-Methylphenol	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
2-Nitroaniline	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
2-Nitrophenol	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
3,3′-Dichlorobenzidine	ND (0.707)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
3+4-Methylphenol	ND (0.707)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
3-Nitroaniline	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
4,6-Dinitro-2-Methylphenol	ND (1.77)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
4-Bromophenyl-phenylether	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
4-Chloro-3-Methylphenol	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
4-Chloroaniline	ND (0.707)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
4-Chloro-phenyl-phenyl ether	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
4-Nitroaniline	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
4-Nitrophenol	ND (1.77)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Acenaphthene	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Acenaphthylene	**1.02** (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Acetophenone	ND (0.707)		8270D		1	10/06/20 23:16	D0J0102	DJ00558

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP100620-1
Date Sampled: 10/06/20 08:34
Percent Solids: 92
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20J0123
ESS Laboratory Sample ID: 20J0123-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 10/6/20 12:40

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.707)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Anthracene	**2.14** (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Azobenzene	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Benzo(a)anthracene	**14.2** (3.53)		8270D		10	10/07/20 23:35	D0J0102	DJ00558
Benzo(a)pyrene	**15.0** (1.77)		8270D		10	10/07/20 23:35	D0J0102	DJ00558
Benzo(b)fluoranthene	**13.6** (3.53)		8270D		10	10/07/20 23:35	D0J0102	DJ00558
Benzo(g,h,i)perylene	**7.59** (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Benzo(k)fluoranthene	**10.5** (3.53)		8270D		10	10/07/20 23:35	D0J0102	DJ00558
Benzoic Acid	ND (1.77)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Benzyl Alcohol	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
bis(2-Chloroethoxy)methane	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
bis(2-Chloroethyl)ether	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
bis(2-chloroisopropyl)Ether	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
bis(2-Ethylhexyl)phthalate	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Butylbenzylphthalate	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Carbazole	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Chrysene	**12.9** (1.77)		8270D		10	10/07/20 23:35	D0J0102	DJ00558
Dibenzo(a,h)Anthracene	**4.28** (0.177)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Dibenzofuran	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Diethylphthalate	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Dimethylphthalate	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Di-n-butylphthalate	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Di-n-octylphthalate	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Fluoranthene	**20.6** (3.53)		8270D		10	10/07/20 23:35	D0J0102	DJ00558
Fluorene	**0.388** (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Hexachlorobenzene	ND (0.177)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Hexachlorobutadiene	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Hexachlorocyclopentadiene	ND (1.77)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Hexachloroethane	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Indeno(1,2,3-cd)Pyrene	**7.04** (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Isophorone	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Naphthalene	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP100620-1
Date Sampled: 10/06/20 08:34
Percent Solids: 92
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20J0123
ESS Laboratory Sample ID: 20J0123-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 10/6/20 12:40

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
N-Nitrosodimethylamine	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
N-Nitroso-Di-n-Propylamine	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
N-nitrosodiphenylamine	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Pentachlorophenol	ND (1.77)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Phenanthrene	**5.05** (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Phenol	ND (0.353)		8270D		1	10/06/20 23:16	D0J0102	DJ00558
Pyrene	**26.5** (3.53)		8270D		10	10/07/20 23:35	D0J0102	DJ00558
Pyridine	ND (1.77)		8270D		1	10/06/20 23:16	D0J0102	DJ00558

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*60 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*84 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*63 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*69 %*		*30-130*
Surrogate: 2-Fluorophenol	*57 %*		*30-130*
Surrogate: Nitrobenzene-d5	*56 %*		*30-130*
Surrogate: Phenol-d6	*59 %*		*30-130*
Surrogate: p-Terphenyl-d14	*74 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP100620-1
Date Sampled: 10/06/20 08:34
Percent Solids: 92

ESS Laboratory Work Order: 20J0123
ESS Laboratory Sample ID: 20J0123-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**1.37** (1.03)		9014		1	EEM	10/07/20 14:40	mg/kg dry	DJ00714

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP100620-1
Date Sampled: 10/06/20 08:34
Percent Solids: 92
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 20J0123
ESS Laboratory Sample ID: 20J0123-01
Sample Matrix: Soil

Analyst: SUB
Prepared: 10/14/20 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**475** (100)		6010		1	SUB	10/14/20 0:00	mg/kg	DJ01428

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP100620-2
Date Sampled: 10/06/20 09:27
Percent Solids: 90

ESS Laboratory Work Order: 20J0123
ESS Laboratory Sample ID: 20J0123-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.70** (2.55)		6010C		1	KJK	10/08/20 7:38	2.17	100	DJ00636
Barium	**37.9** (2.55)		6010C		1	KJK	10/08/20 7:38	2.17	100	DJ00636
Cadmium	ND (0.51)		6010C		1	KJK	10/08/20 7:38	2.17	100	DJ00636
Chromium	**9.70** (1.02)		6010C		1	KJK	10/08/20 7:38	2.17	100	DJ00636
Lead	**76.9** (5.09)		6010C		1	KJK	10/08/20 7:38	2.17	100	DJ00636
Mercury	**0.143** (0.029)		7471B		1	MKS	10/07/20 11:05	0.76	40	DJ00637
Selenium	ND (5.09)		6010C		1	KJK	10/08/20 7:38	2.17	100	DJ00636
Silver	ND (0.51)		6010C		1	KJK	10/08/20 7:38	2.17	100	DJ00636

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP100620-2
Date Sampled: 10/06/20 09:27
Percent Solids: 90
Initial Volume: 23.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20J0123
ESS Laboratory Sample ID: 20J0123-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1,1,1-Trichloroethane	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1,1,2,2-Tetrachloroethane	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1,1,2-Trichloroethane	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1,1-Dichloroethane	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1,1-Dichloroethene	ND (0.164)	0.0492	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1,1-Dichloropropene	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1,2,3-Trichlorobenzene	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1,2,3-Trichloropropane	ND (0.164)	0.0492	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1,2,4-Trichlorobenzene	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1,2,4-Trimethylbenzene	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1,2-Dibromo-3-Chloropropane	ND (0.820)	0.164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1,2-Dibromoethane	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1,2-Dichlorobenzene	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1,2-Dichloroethane	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1,2-Dichloropropane	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1,3,5-Trimethylbenzene	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1,3-Dichlorobenzene	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1,3-Dichloropropane	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1,4-Dichlorobenzene	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1,4-Dioxane - Screen	ND (32.8)	31.1	8260B		1	10/07/20 13:45	D0J0121	DJ00733
1-Chlorohexane	ND (0.164)	0.0656	8260B		1	10/07/20 13:45	D0J0121	DJ00733
2,2-Dichloropropane	ND (0.164)	0.0492	8260B		1	10/07/20 13:45	D0J0121	DJ00733
2-Butanone	ND (0.820)	0.557	8260B		1	10/07/20 13:45	D0J0121	DJ00733
2-Chlorotoluene	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
2-Hexanone	ND (0.820)	0.246	8260B		1	10/07/20 13:45	D0J0121	DJ00733
4-Chlorotoluene	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
4-Isopropyltoluene	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
4-Methyl-2-Pentanone	ND (0.820)	0.262	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Acetone	ND (0.820)	0.443	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Benzene	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Bromobenzene	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP100620-2
Date Sampled: 10/06/20 09:27
Percent Solids: 90
Initial Volume: 23.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20J0123
ESS Laboratory Sample ID: 20J0123-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.164)	0.0492	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Bromodichloromethane	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Bromoform	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Bromomethane	ND (0.164)	0.0656	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Carbon Disulfide	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Carbon Tetrachloride	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Chlorobenzene	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Chloroethane	ND (0.164)	0.0656	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Chloroform	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Chloromethane	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
cis-1,2-Dichloroethene	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
cis-1,3-Dichloropropene	ND (0.164)	0.0492	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Dibromochloromethane	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Dibromomethane	ND (0.164)	0.0492	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Dichlorodifluoromethane	ND (0.164)	0.0492	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Diethyl Ether	ND (0.164)	0.0492	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Di-isopropyl ether	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Ethyl tertiary-butyl ether	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Ethylbenzene	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Hexachlorobutadiene	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Isopropylbenzene	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Methyl tert-Butyl Ether	ND (0.164)	0.0492	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Methylene Chloride	**J 0.202** (0.328)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Naphthalene	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
n-Butylbenzene	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
n-Propylbenzene	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
sec-Butylbenzene	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Styrene	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
tert-Butylbenzene	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Tertiary-amyl methyl ether	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Tetrachloroethene	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Tetrahydrofuran	ND (0.820)	0.262	8260B		1	10/07/20 13:45	D0J0121	DJ00733

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP100620-2
Date Sampled: 10/06/20 09:27
Percent Solids: 90
Initial Volume: 23.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 20J0123
ESS Laboratory Sample ID: 20J0123-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
trans-1,2-Dichloroethene	ND (0.164)	0.0492	8260B		1	10/07/20 13:45	D0J0121	DJ00733
trans-1,3-Dichloropropene	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Trichloroethene	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Trichlorofluoromethane	ND (0.164)	0.0656	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Vinyl Acetate	ND (0.164)	0.0820	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Vinyl Chloride	ND (0.164)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Xylene O	ND (0.164)	0.0164	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Xylene P,M	ND (0.328)	0.0328	8260B		1	10/07/20 13:45	D0J0121	DJ00733
Xylenes (Total)	ND (0.328)		8260B		1	10/07/20 13:45		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*140 %*	*S+*	*70-130*
Surrogate: 4-Bromofluorobenzene	*126 %*		*70-130*
Surrogate: Dibromofluoromethane	*130 %*		*70-130*
Surrogate: Toluene-d8	*128 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP100620-2
Date Sampled: 10/06/20 09:27
Percent Solids: 90
Initial Volume: 19.7
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 20J0123
ESS Laboratory Sample ID: 20J0123-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: AMF
Prepared: 10/8/20 17:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**227** (42.1)		8100M		1	10/08/20 21:57	D0J0129	DJ00873

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*94 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP100620-2
Date Sampled: 10/06/20 09:27
Percent Solids: 90
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20J0123
ESS Laboratory Sample ID: 20J0123-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 10/6/20 12:40

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
1,2,4-Trichlorobenzene	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
1,2-Dichlorobenzene	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
1,3-Dichlorobenzene	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
1,4-Dichlorobenzene	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
2,3,4,6-Tetrachlorophenol	ND (1.92)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
2,4,5-Trichlorophenol	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
2,4,6-Trichlorophenol	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
2,4-Dichlorophenol	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
2,4-Dimethylphenol	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
2,4-Dinitrophenol	ND (1.92)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
2,4-Dinitrotoluene	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
2,6-Dinitrotoluene	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
2-Chloronaphthalene	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
2-Chlorophenol	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
2-Methylnaphthalene	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
2-Methylphenol	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
2-Nitroaniline	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
2-Nitrophenol	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
3,3′-Dichlorobenzidine	ND (0.768)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
3+4-Methylphenol	ND (0.768)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
3-Nitroaniline	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
4,6-Dinitro-2-Methylphenol	ND (1.92)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
4-Bromophenyl-phenylether	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
4-Chloro-3-Methylphenol	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
4-Chloroaniline	ND (0.768)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
4-Chloro-phenyl-phenyl ether	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
4-Nitroaniline	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
4-Nitrophenol	ND (1.92)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Acenaphthene	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Acenaphthylene	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Acetophenone	ND (0.768)		8270D		1	10/06/20 23:43	D0J0102	DJ00558

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP100620-2
Date Sampled: 10/06/20 09:27
Percent Solids: 90
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20J0123
ESS Laboratory Sample ID: 20J0123-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 10/6/20 12:40

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.768)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Anthracene	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Azobenzene	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Benzo(a)anthracene	**0.818** (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Benzo(a)pyrene	**0.784** (0.192)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Benzo(b)fluoranthene	**0.904** (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Benzo(g,h,i)perylene	**0.540** (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Benzo(k)fluoranthene	**0.587** (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Benzoic Acid	ND (1.92)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Benzyl Alcohol	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
bis(2-Chloroethoxy)methane	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
bis(2-Chloroethyl)ether	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
bis(2-chloroisopropyl)Ether	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
bis(2-Ethylhexyl)phthalate	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Butylbenzylphthalate	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Carbazole	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Chrysene	**0.844** (0.192)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Dibenzo(a,h)Anthracene	**0.266** (0.192)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Dibenzofuran	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Diethylphthalate	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Dimethylphthalate	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Di-n-butylphthalate	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Di-n-octylphthalate	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Fluoranthene	**1.12** (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Fluorene	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Hexachlorobenzene	ND (0.192)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Hexachlorobutadiene	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Hexachlorocyclopentadiene	ND (1.92)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Hexachloroethane	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Indeno(1,2,3-cd)Pyrene	**0.469** (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Isophorone	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Naphthalene	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP100620-2
Date Sampled: 10/06/20 09:27
Percent Solids: 90
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 20J0123
ESS Laboratory Sample ID: 20J0123-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 10/6/20 12:40

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
N-Nitrosodimethylamine	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
N-Nitroso-Di-n-Propylamine	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
N-nitrosodiphenylamine	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Pentachlorophenol	ND (1.92)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Phenanthrene	**0.620** (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Phenol	ND (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Pyrene	**1.01** (0.383)		8270D		1	10/06/20 23:43	D0J0102	DJ00558
Pyridine	ND (1.92)		8270D		1	10/06/20 23:43	D0J0102	DJ00558

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*49 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*71 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*53 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*55 %*		*30-130*
Surrogate: 2-Fluorophenol	*48 %*		*30-130*
Surrogate: Nitrobenzene-d5	*46 %*		*30-130*
Surrogate: Phenol-d6	*51 %*		*30-130*
Surrogate: p-Terphenyl-d14	*61 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP100620-2
Date Sampled: 10/06/20 09:27
Percent Solids: 90

ESS Laboratory Work Order: 20J0123
ESS Laboratory Sample ID: 20J0123-02
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**1.28** (1.08)		9014		1	EEM	10/07/20 14:40	mg/kg dry	DJ00714

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP100620-2
Date Sampled: 10/06/20 09:27
Percent Solids: 90
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 20J0123
ESS Laboratory Sample ID: 20J0123-02
Sample Matrix: Soil

Analyst: SUB
Prepared: 10/14/20 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**796** (100)		6010		1	SUB	10/14/20 0:00	mg/kg	DJ01428

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20J0123

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DJ00636 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
Barium	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
LCS										
Arsenic	44.9	6.25	mg/kg wet	43.10		104	80-120			
Barium	631	6.25	mg/kg wet	597.0		106	80-120			
Cadmium	127	1.25	mg/kg wet	118.0		108	80-120			
Chromium	319	2.50	mg/kg wet	299.0		107	80-120			
Lead	164	12.5	mg/kg wet	144.0		114	80-120			
Selenium	164	12.5	mg/kg wet	154.0		106	80-120			
Silver	77.7	1.25	mg/kg wet	73.50		106	80-120			
LCS Dup										
Arsenic	44.9	7.94	mg/kg wet	43.10		104	80-120	0.1	20	
Barium	646	7.94	mg/kg wet	597.0		108	80-120	2	20	
Cadmium	128	1.59	mg/kg wet	118.0		108	80-120	0.3	20	
Chromium	341	3.17	mg/kg wet	299.0		114	80-120	7	20	
Lead	164	15.9	mg/kg wet	144.0		114	80-120	0.008	20	
Selenium	164	15.9	mg/kg wet	154.0		107	80-120	0.4	20	
Silver	81.9	1.59	mg/kg wet	73.50		111	80-120	5	20	
Batch DJ00637 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	24.2	3.14	mg/kg wet	26.60		91	80-120			
LCS Dup										
Mercury	22.8	3.14	mg/kg wet	26.60		86	80-120	6	20	
5035/8260B Volatile Organic Compounds / Methanol										
Batch DJ00733 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,1-Trichloroethane	ND	0.200	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,2-Trichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethene	ND	0.200	mg/kg wet							
1,1-Dichloropropene	ND	0.200	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.200	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20J0123

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DJ00733 - 5035										
1,2,3-Trichloropropane	ND	0.200	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.200	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	1.00	mg/kg wet							
1,2-Dibromoethane	ND	0.200	mg/kg wet							
1,2-Dichlorobenzene	ND	0.200	mg/kg wet							
1,2-Dichloroethane	ND	0.200	mg/kg wet							
1,2-Dichloropropane	ND	0.200	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.200	mg/kg wet							
1,3-Dichlorobenzene	ND	0.200	mg/kg wet							
1,3-Dichloropropane	ND	0.200	mg/kg wet							
1,4-Dichlorobenzene	ND	0.200	mg/kg wet							
1,4-Dioxane - Screen	ND	40.0	mg/kg wet							
1-Chlorohexane	ND	0.200	mg/kg wet							
2,2-Dichloropropane	ND	0.200	mg/kg wet							
2-Butanone	ND	1.00	mg/kg wet							
2-Chlorotoluene	ND	0.200	mg/kg wet							
2-Hexanone	ND	1.00	mg/kg wet							
4-Chlorotoluene	ND	0.200	mg/kg wet							
4-Isopropyltoluene	ND	0.200	mg/kg wet							
4-Methyl-2-Pentanone	ND	1.00	mg/kg wet							
Acetone	ND	1.00	mg/kg wet							
Benzene	ND	0.200	mg/kg wet							
Bromobenzene	ND	0.200	mg/kg wet							
Bromochloromethane	ND	0.200	mg/kg wet							
Bromodichloromethane	ND	0.200	mg/kg wet							
Bromoform	ND	0.200	mg/kg wet							
Bromomethane	ND	0.200	mg/kg wet							
Carbon Disulfide	ND	0.200	mg/kg wet							
Carbon Tetrachloride	ND	0.200	mg/kg wet							
Chlorobenzene	ND	0.200	mg/kg wet							
Chloroethane	ND	0.200	mg/kg wet							
Chloroform	ND	0.200	mg/kg wet							
Chloromethane	ND	0.200	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.200	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Dibromochloromethane	ND	0.200	mg/kg wet							
Dibromomethane	ND	0.200	mg/kg wet							
Dichlorodifluoromethane	ND	0.200	mg/kg wet							
Diethyl Ether	ND	0.200	mg/kg wet							
Di-isopropyl ether	ND	0.200	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.200	mg/kg wet							
Ethylbenzene	ND	0.200	mg/kg wet							
Hexachlorobutadiene	ND	0.200	mg/kg wet							
Isopropylbenzene	ND	0.200	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DJ00733 - 5035										
Methyl tert-Butyl Ether	ND	0.200	mg/kg wet							
Methylene Chloride	0.174	0.400	mg/kg wet							J
Naphthalene	ND	0.200	mg/kg wet							
n-Butylbenzene	ND	0.200	mg/kg wet							
n-Propylbenzene	ND	0.200	mg/kg wet							
sec-Butylbenzene	ND	0.200	mg/kg wet							
Styrene	ND	0.200	mg/kg wet							
tert-Butylbenzene	ND	0.200	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.200	mg/kg wet							
Tetrachloroethene	ND	0.200	mg/kg wet							
Tetrahydrofuran	ND	1.00	mg/kg wet							
Toluene	ND	0.200	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.200	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Trichloroethene	ND	0.200	mg/kg wet							
Trichlorofluoromethane	ND	0.200	mg/kg wet							
Vinyl Acetate	ND	0.200	mg/kg wet							
Vinyl Chloride	ND	0.200	mg/kg wet							
Xylene O	ND	0.200	mg/kg wet							
Xylene P,M	ND	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*5.36*		mg/kg wet	*5.000*		*107*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.78*		mg/kg wet	*5.000*		*96*	*70-130*			
Surrogate: Dibromofluoromethane	*4.93*		mg/kg wet	*5.000*		*99*	*70-130*			
Surrogate: Toluene-d8	*4.75*		mg/kg wet	*5.000*		*95*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	1.83	0.200	mg/kg wet	2.000		91	70-130			
1,1,1-Trichloroethane	1.64	0.200	mg/kg wet	2.000		82	70-130			
1,1,2,2-Tetrachloroethane	2.01	0.200	mg/kg wet	2.000		100	70-130			
1,1,2-Trichloroethane	1.82	0.200	mg/kg wet	2.000		91	70-130			
1,1-Dichloroethane	1.74	0.200	mg/kg wet	2.000		87	70-130			
1,1-Dichloroethene	1.83	0.200	mg/kg wet	2.000		92	70-130			
1,1-Dichloropropene	1.81	0.200	mg/kg wet	2.000		90	70-130			
1,2,3-Trichlorobenzene	2.01	0.200	mg/kg wet	2.000		101	70-130			
1,2,3-Trichloropropane	1.99	0.200	mg/kg wet	2.000		99	70-130			
1,2,4-Trichlorobenzene	1.93	0.200	mg/kg wet	2.000		96	70-130			
1,2,4-Trimethylbenzene	1.97	0.200	mg/kg wet	2.000		98	70-130			
1,2-Dibromo-3-Chloropropane	1.98	1.00	mg/kg wet	2.000		99	70-130			
1,2-Dibromoethane	1.93	0.200	mg/kg wet	2.000		96	70-130			
1,2-Dichlorobenzene	1.96	0.200	mg/kg wet	2.000		98	70-130			
1,2-Dichloroethane	1.72	0.200	mg/kg wet	2.000		86	70-130			
1,2-Dichloropropane	1.76	0.200	mg/kg wet	2.000		88	70-130			
1,3,5-Trimethylbenzene	2.00	0.200	mg/kg wet	2.000		100	70-130			
1,3-Dichlorobenzene	1.99	0.200	mg/kg wet	2.000		100	70-130			
1,3-Dichloropropane	2.00	0.200	mg/kg wet	2.000		100	70-130			
1,4-Dichlorobenzene	2.04	0.200	mg/kg wet	2.000		102	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20J0123

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DJ00733 - 5035										
1,4-Dioxane - Screen	86.1	40.0	mg/kg wet	40.00		215	44-241			
1-Chlorohexane	1.91	0.200	mg/kg wet	2.000		96	70-130			
2,2-Dichloropropane	1.64	0.200	mg/kg wet	2.000		82	70-130			
2-Butanone	10.5	1.00	mg/kg wet	10.00		105	70-130			
2-Chlorotoluene	1.95	0.200	mg/kg wet	2.000		98	70-130			
2-Hexanone	11.1	1.00	mg/kg wet	10.00		111	70-130			
4-Chlorotoluene	2.02	0.200	mg/kg wet	2.000		101	70-130			
4-Isopropyltoluene	2.04	0.200	mg/kg wet	2.000		102	70-130			
4-Methyl-2-Pentanone	8.64	1.00	mg/kg wet	10.00		86	70-130			
Acetone	11.7	1.00	mg/kg wet	10.00		117	70-130			
Benzene	1.83	0.200	mg/kg wet	2.000		92	70-130			
Bromobenzene	2.02	0.200	mg/kg wet	2.000		101	70-130			
Bromochloromethane	1.72	0.200	mg/kg wet	2.000		86	70-130			
Bromodichloromethane	1.63	0.200	mg/kg wet	2.000		81	70-130			
Bromoform	1.69	0.200	mg/kg wet	2.000		85	70-130			
Bromomethane	1.45	0.200	mg/kg wet	2.000		72	70-130			
Carbon Disulfide	1.91	0.200	mg/kg wet	2.000		96	70-130			
Carbon Tetrachloride	1.60	0.200	mg/kg wet	2.000		80	70-130			
Chlorobenzene	1.87	0.200	mg/kg wet	2.000		93	70-130			
Chloroethane	1.76	0.200	mg/kg wet	2.000		88	70-130			
Chloroform	1.71	0.200	mg/kg wet	2.000		85	70-130			
Chloromethane	1.43	0.200	mg/kg wet	2.000		72	70-130			
cis-1,2-Dichloroethene	1.77	0.200	mg/kg wet	2.000		89	70-130			
cis-1,3-Dichloropropene	1.92	0.200	mg/kg wet	2.000		96	70-130			
Dibromochloromethane	1.76	0.200	mg/kg wet	2.000		88	70-130			
Dibromomethane	1.78	0.200	mg/kg wet	2.000		89	70-130			
Dichlorodifluoromethane	1.32	0.200	mg/kg wet	2.000		66	70-130			B-
Diethyl Ether	1.95	0.200	mg/kg wet	2.000		97	70-130			
Di-isopropyl ether	1.76	0.200	mg/kg wet	2.000		88	70-130			
Ethyl tertiary-butyl ether	1.78	0.200	mg/kg wet	2.000		89	70-130			
Ethylbenzene	1.90	0.200	mg/kg wet	2.000		95	70-130			
Hexachlorobutadiene	2.04	0.200	mg/kg wet	2.000		102	70-130			
Isopropylbenzene	1.98	0.200	mg/kg wet	2.000		99	70-130			
Methyl tert-Butyl Ether	1.82	0.200	mg/kg wet	2.000		91	70-130			
Methylene Chloride	2.15	0.400	mg/kg wet	2.000		108	70-130			
Naphthalene	2.08	0.200	mg/kg wet	2.000		104	70-130			
n-Butylbenzene	2.10	0.200	mg/kg wet	2.000		105	70-130			
n-Propylbenzene	2.03	0.200	mg/kg wet	2.000		101	70-130			
sec-Butylbenzene	1.93	0.200	mg/kg wet	2.000		96	70-130			
Styrene	1.91	0.200	mg/kg wet	2.000		96	70-130			
tert-Butylbenzene	2.10	0.200	mg/kg wet	2.000		105	70-130			
Tertiary-amyl methyl ether	1.84	0.200	mg/kg wet	2.000		92	70-130			
Tetrachloroethene	2.16	0.200	mg/kg wet	2.000		108	70-130			
Tetrahydrofuran	2.01	1.00	mg/kg wet	2.000		100	70-130			
Toluene	1.89	0.200	mg/kg wet	2.000		94	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20J0123

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DJ00733 - 5035										
trans-1,2-Dichloroethene	1.76	0.200	mg/kg wet	2.000		88	70-130			
trans-1,3-Dichloropropene	1.86	0.200	mg/kg wet	2.000		93	70-130			
Trichloroethene	1.72	0.200	mg/kg wet	2.000		86	70-130			
Trichlorofluoromethane	1.74	0.200	mg/kg wet	2.000		87	70-130			
Vinyl Acetate	1.56	0.200	mg/kg wet	2.000		78	70-130			
Vinyl Chloride	1.46	0.200	mg/kg wet	2.000		73	70-130			
Xylene O	1.74	0.200	mg/kg wet	2.000		87	70-130			
Xylene P,M	3.73	0.400	mg/kg wet	4.000		93	70-130			
Surrogate: 1,2-Dichloroethane-d4	*4.55*		mg/kg wet	*5.000*		*91*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.68*		mg/kg wet	*5.000*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*4.62*		mg/kg wet	*5.000*		*92*	*70-130*			
Surrogate: Toluene-d8	*4.50*		mg/kg wet	*5.000*		*90*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	1.86	0.200	mg/kg wet	2.000		93	70-130	2	25	
1,1,1-Trichloroethane	1.71	0.200	mg/kg wet	2.000		86	70-130	4	25	
1,1,2,2-Tetrachloroethane	1.99	0.200	mg/kg wet	2.000		100	70-130	0.8	25	
1,1,2-Trichloroethane	1.81	0.200	mg/kg wet	2.000		91	70-130	0.3	25	
1,1-Dichloroethane	1.72	0.200	mg/kg wet	2.000		86	70-130	2	25	
1,1-Dichloroethene	1.80	0.200	mg/kg wet	2.000		90	70-130	2	25	
1,1-Dichloropropene	1.90	0.200	mg/kg wet	2.000		95	70-130	5	25	
1,2,3-Trichlorobenzene	1.92	0.200	mg/kg wet	2.000		96	70-130	5	25	
1,2,3-Trichloropropane	2.03	0.200	mg/kg wet	2.000		101	70-130	2	25	
1,2,4-Trichlorobenzene	1.98	0.200	mg/kg wet	2.000		99	70-130	3	25	
1,2,4-Trimethylbenzene	2.00	0.200	mg/kg wet	2.000		100	70-130	2	25	
1,2-Dibromo-3-Chloropropane	1.65	1.00	mg/kg wet	2.000		82	70-130	18	25	
1,2-Dibromoethane	1.91	0.200	mg/kg wet	2.000		95	70-130	1	25	
1,2-Dichlorobenzene	1.96	0.200	mg/kg wet	2.000		98	70-130	0	25	
1,2-Dichloroethane	1.72	0.200	mg/kg wet	2.000		86	70-130	0.2	25	
1,2-Dichloropropane	1.76	0.200	mg/kg wet	2.000		88	70-130	0.1	25	
1,3,5-Trimethylbenzene	2.04	0.200	mg/kg wet	2.000		102	70-130	2	25	
1,3-Dichlorobenzene	2.07	0.200	mg/kg wet	2.000		104	70-130	4	25	
1,3-Dichloropropane	2.00	0.200	mg/kg wet	2.000		100	70-130	0.3	25	
1,4-Dichlorobenzene	1.93	0.200	mg/kg wet	2.000		96	70-130	6	25	
1,4-Dioxane - Screen	63.2	40.0	mg/kg wet	40.00		158	44-241	31	200	
1-Chlorohexane	1.95	0.200	mg/kg wet	2.000		98	70-130	2	25	
2,2-Dichloropropane	1.69	0.200	mg/kg wet	2.000		85	70-130	3	25	
2-Butanone	10.2	1.00	mg/kg wet	10.00		102	70-130	3	25	
2-Chlorotoluene	2.00	0.200	mg/kg wet	2.000		100	70-130	3	25	
2-Hexanone	10.8	1.00	mg/kg wet	10.00		108	70-130	2	25	
4-Chlorotoluene	2.02	0.200	mg/kg wet	2.000		101	70-130	0.3	25	
4-Isopropyltoluene	2.05	0.200	mg/kg wet	2.000		102	70-130	0.3	25	
4-Methyl-2-Pentanone	8.48	1.00	mg/kg wet	10.00		85	70-130	2	25	
Acetone	11.6	1.00	mg/kg wet	10.00		116	70-130	0.7	25	
Benzene	1.96	0.200	mg/kg wet	2.000		98	70-130	7	25	
Bromobenzene	2.03	0.200	mg/kg wet	2.000		102	70-130	0.4	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DJ00733 - 5035										
Bromochloromethane	1.81	0.200	mg/kg wet	2.000		90	70-130	5	25	
Bromodichloromethane	1.65	0.200	mg/kg wet	2.000		83	70-130	2	25	
Bromoform	1.58	0.200	mg/kg wet	2.000		79	70-130	7	25	
Bromomethane	1.48	0.200	mg/kg wet	2.000		74	70-130	2	25	
Carbon Disulfide	1.93	0.200	mg/kg wet	2.000		96	70-130	0.7	25	
Carbon Tetrachloride	1.71	0.200	mg/kg wet	2.000		85	70-130	6	25	
Chlorobenzene	1.90	0.200	mg/kg wet	2.000		95	70-130	2	25	
Chloroethane	1.73	0.200	mg/kg wet	2.000		86	70-130	2	25	
Chloroform	1.80	0.200	mg/kg wet	2.000		90	70-130	5	25	
Chloromethane	1.40	0.200	mg/kg wet	2.000		70	70-130	2	25	
cis-1,2-Dichloroethene	1.83	0.200	mg/kg wet	2.000		91	70-130	3	25	
cis-1,3-Dichloropropene	1.91	0.200	mg/kg wet	2.000		96	70-130	0.6	25	
Dibromochloromethane	1.78	0.200	mg/kg wet	2.000		89	70-130	1	25	
Dibromomethane	1.87	0.200	mg/kg wet	2.000		93	70-130	5	25	
Dichlorodifluoromethane	1.36	0.200	mg/kg wet	2.000		68	70-130	3	25	B-
Diethyl Ether	1.87	0.200	mg/kg wet	2.000		93	70-130	4	25	
Di-isopropyl ether	1.85	0.200	mg/kg wet	2.000		92	70-130	5	25	
Ethyl tertiary-butyl ether	1.86	0.200	mg/kg wet	2.000		93	70-130	4	25	
Ethylbenzene	1.92	0.200	mg/kg wet	2.000		96	70-130	0.9	25	
Hexachlorobutadiene	1.98	0.200	mg/kg wet	2.000		99	70-130	3	25	
Isopropylbenzene	2.04	0.200	mg/kg wet	2.000		102	70-130	3	25	
Methyl tert-Butyl Ether	1.81	0.200	mg/kg wet	2.000		91	70-130	0.3	25	
Methylene Chloride	1.98	0.400	mg/kg wet	2.000		99	70-130	8	25	
Naphthalene	2.02	0.200	mg/kg wet	2.000		101	70-130	3	25	
n-Butylbenzene	2.04	0.200	mg/kg wet	2.000		102	70-130	3	25	
n-Propylbenzene	2.08	0.200	mg/kg wet	2.000		104	70-130	3	25	
sec-Butylbenzene	1.95	0.200	mg/kg wet	2.000		98	70-130	1	25	
Styrene	1.89	0.200	mg/kg wet	2.000		95	70-130	1	25	
tert-Butylbenzene	2.10	0.200	mg/kg wet	2.000		105	70-130	0	25	
Tertiary-amyl methyl ether	1.81	0.200	mg/kg wet	2.000		90	70-130	2	25	
Tetrachloroethene	2.36	0.200	mg/kg wet	2.000		118	70-130	9	25	
Tetrahydrofuran	2.00	1.00	mg/kg wet	2.000		100	70-130	0.4	25	
Toluene	1.92	0.200	mg/kg wet	2.000		96	70-130	2	25	
trans-1,2-Dichloroethene	1.80	0.200	mg/kg wet	2.000		90	70-130	2	25	
trans-1,3-Dichloropropene	1.80	0.200	mg/kg wet	2.000		90	70-130	3	25	
Trichloroethene	1.71	0.200	mg/kg wet	2.000		86	70-130	0.1	25	
Trichlorofluoromethane	1.84	0.200	mg/kg wet	2.000		92	70-130	5	25	
Vinyl Acetate	1.50	0.200	mg/kg wet	2.000		75	70-130	4	25	
Vinyl Chloride	1.58	0.200	mg/kg wet	2.000		79	70-130	8	25	
Xylene O	1.85	0.200	mg/kg wet	2.000		93	70-130	6	25	
Xylene P,M	3.78	0.400	mg/kg wet	4.000		95	70-130	1	25	
Surrogate: 1,2-Dichloroethane-d4	*4.48*		mg/kg wet	*5.000*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.75*		mg/kg wet	*5.000*		*95*	*70-130*			
Surrogate: Dibromofluoromethane	*4.51*		mg/kg wet	*5.000*		*90*	*70-130*			
Surrogate: Toluene-d8	*4.55*		mg/kg wet	*5.000*		*91*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20J0123

Quality Control Data

8100M Total Petroleum Hydrocarbons

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch DJ00873 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.67*		mg/kg wet	*5.000*		*93*	*40-140*			
LCS										
Decane (C10)	1.9	0.2	mg/kg wet	2.500		76	40-140			
Docosane (C22)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		82	40-140			
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Hexadecane (C16)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Nonadecane (C19)	2.3	0.2	mg/kg wet	2.500		93	40-140			
Nonane (C9)	1.7	0.2	mg/kg wet	2.500		69	30-140			
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		93	40-140			
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		90	40-140			
Tetracosane (C24)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Tetradecane (C14)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Total Petroleum Hydrocarbons	32.1	37.5	mg/kg wet	35.00		92	40-140			
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		90	40-140			
Surrogate: O-Terphenyl	*4.66*		mg/kg wet	*5.000*		*93*	*40-140*			
LCS Dup										
Decane (C10)	1.8	0.2	mg/kg wet	2.500		74	40-140	3	25	
Docosane (C22)	2.4	0.2	mg/kg wet	2.500		97	40-140	4	25	
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		82	40-140	0.4	25	
Eicosane (C20)	2.4	0.2	mg/kg wet	2.500		96	40-140	4	25	
Hexacosane (C26)	2.4	0.2	mg/kg wet	2.500		96	40-140	5	25	
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		91	40-140	4	25	
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		97	40-140	4	25	
Nonane (C9)	1.7	0.2	mg/kg wet	2.500		66	30-140	5	25	
Octacosane (C28)	2.4	0.2	mg/kg wet	2.500		96	40-140	4	25	
Octadecane (C18)	2.3	0.2	mg/kg wet	2.500		94	40-140	4	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20J0123

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DJ00873 - 3546										
Tetracosane (C24)	2.4	0.2	mg/kg wet	2.500		96	40-140	5	25	
Tetradecane (C14)	2.2	0.2	mg/kg wet	2.500		87	40-140	3	25	
Total Petroleum Hydrocarbons	33.0	37.5	mg/kg wet	35.00		94	40-140	3	25	
Triacontane (C30)	2.4	0.2	mg/kg wet	2.500		94	40-140	5	25	
Surrogate: O-Terphenyl	*4.87*		mg/kg wet	*5.000*		*97*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DJ00558 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DJ00558 - 3546										
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.94*		mg/kg wet	*3.333*		*88*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.40*		mg/kg wet	*5.000*		*88*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.54*		mg/kg wet	*5.000*		*91*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*3.08*		mg/kg wet	*3.333*		*92*	*30-130*			
Surrogate: 2-Fluorophenol	*4.65*		mg/kg wet	*5.000*		*93*	*30-130*			
Surrogate: Nitrobenzene-d5	*3.07*		mg/kg wet	*3.333*		*92*	*30-130*			
Surrogate: Phenol-d6	*4.69*		mg/kg wet	*5.000*		*94*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.31*		mg/kg wet	*3.333*		*99*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DJ00558 - 3546										
LCS										
1,1-Biphenyl	2.35	0.333	mg/kg wet	3.333		70	40-140			
1,2,4-Trichlorobenzene	2.85	0.333	mg/kg wet	3.333		85	40-140			
1,2-Dichlorobenzene	2.79	0.333	mg/kg wet	3.333		84	40-140			
1,3-Dichlorobenzene	2.78	0.333	mg/kg wet	3.333		83	40-140			
1,4-Dichlorobenzene	2.75	0.333	mg/kg wet	3.333		82	40-140			
2,3,4,6-Tetrachlorophenol	2.78	1.67	mg/kg wet	3.333		83	30-130			
2,4,5-Trichlorophenol	3.16	0.333	mg/kg wet	3.333		95	30-130			
2,4,6-Trichlorophenol	3.08	0.333	mg/kg wet	3.333		92	30-130			
2,4-Dichlorophenol	2.98	0.333	mg/kg wet	3.333		90	30-130			
2,4-Dimethylphenol	3.04	0.333	mg/kg wet	3.333		91	30-130			
2,4-Dinitrophenol	2.90	1.67	mg/kg wet	3.333		87	30-130			
2,4-Dinitrotoluene	3.08	0.333	mg/kg wet	3.333		92	40-140			
2,6-Dinitrotoluene	2.98	0.333	mg/kg wet	3.333		89	40-140			
2-Chloronaphthalene	2.69	0.333	mg/kg wet	3.333		81	40-140			
2-Chlorophenol	2.79	0.333	mg/kg wet	3.333		84	30-130			
2-Methylnaphthalene	2.65	0.333	mg/kg wet	3.333		80	40-140			
2-Methylphenol	2.81	0.333	mg/kg wet	3.333		84	30-130			
2-Nitroaniline	3.06	0.333	mg/kg wet	3.333		92	40-140			
2-Nitrophenol	3.00	0.333	mg/kg wet	3.333		90	30-130			
3,3´-Dichlorobenzidine	2.89	0.667	mg/kg wet	3.333		87	40-140			
3+4-Methylphenol	4.88	0.667	mg/kg wet	6.667		73	30-130			
3-Nitroaniline	2.74	0.333	mg/kg wet	3.333		82	40-140			
4,6-Dinitro-2-Methylphenol	2.95	1.67	mg/kg wet	3.333		89	30-130			
4-Bromophenyl-phenylether	3.01	0.333	mg/kg wet	3.333		90	40-140			
4-Chloro-3-Methylphenol	2.96	0.333	mg/kg wet	3.333		89	30-130			
4-Chloroaniline	2.03	0.667	mg/kg wet	3.333		61	40-140			
4-Chloro-phenyl-phenyl ether	2.78	0.333	mg/kg wet	3.333		83	40-140			
4-Nitroaniline	2.75	0.333	mg/kg wet	3.333		83	40-140			
4-Nitrophenol	2.77	1.67	mg/kg wet	3.333		83	30-130			
Acenaphthene	2.70	0.333	mg/kg wet	3.333		81	40-140			
Acenaphthylene	2.69	0.333	mg/kg wet	3.333		81	40-140			
Acetophenone	2.66	0.667	mg/kg wet	3.333		80	40-140			
Aniline	1.84	0.667	mg/kg wet	3.333		55	40-140			
Anthracene	2.78	0.333	mg/kg wet	3.333		83	40-140			
Azobenzene	2.80	0.333	mg/kg wet	3.333		84	40-140			
Benzo(a)anthracene	3.19	0.333	mg/kg wet	3.333		96	40-140			
Benzo(a)pyrene	3.29	0.167	mg/kg wet	3.333		99	40-140			
Benzo(b)fluoranthene	3.09	0.333	mg/kg wet	3.333		93	40-140			
Benzo(g,h,i)perylene	3.31	0.333	mg/kg wet	3.333		99	40-140			
Benzo(k)fluoranthene	2.90	0.333	mg/kg wet	3.333		87	40-140			
Benzoic Acid	1.94	1.67	mg/kg wet	3.333		58	40-140			
Benzyl Alcohol	2.53	0.333	mg/kg wet	3.333		76	40-140			
bis(2-Chloroethoxy)methane	2.82	0.333	mg/kg wet	3.333		85	40-140			
bis(2-Chloroethyl)ether	2.81	0.333	mg/kg wet	3.333		84	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20J0123

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DJ00558 - 3546										
bis(2-chloroisopropyl)Ether	2.71	0.333	mg/kg wet	3.333		81	40-140			
bis(2-Ethylhexyl)phthalate	2.92	0.333	mg/kg wet	3.333		87	40-140			
Butylbenzylphthalate	2.87	0.333	mg/kg wet	3.333		86	40-140			
Carbazole	3.03	0.333	mg/kg wet	3.333		91	40-140			
Chrysene	2.96	0.167	mg/kg wet	3.333		89	40-140			
Dibenzo(a,h)Anthracene	3.34	0.167	mg/kg wet	3.333		100	40-140			
Dibenzofuran	2.87	0.333	mg/kg wet	3.333		86	40-140			
Diethylphthalate	3.08	0.333	mg/kg wet	3.333		92	40-140			
Dimethylphthalate	3.01	0.333	mg/kg wet	3.333		90	40-140			
Di-n-butylphthalate	3.20	0.333	mg/kg wet	3.333		96	40-140			
Di-n-octylphthalate	3.00	0.333	mg/kg wet	3.333		90	40-140			
Fluoranthene	3.09	0.333	mg/kg wet	3.333		93	40-140			
Fluorene	2.77	0.333	mg/kg wet	3.333		83	40-140			
Hexachlorobenzene	2.82	0.167	mg/kg wet	3.333		85	40-140			
Hexachlorobutadiene	2.90	0.333	mg/kg wet	3.333		87	40-140			
Hexachlorocyclopentadiene	2.54	1.67	mg/kg wet	3.333		76	40-140			
Hexachloroethane	2.72	0.333	mg/kg wet	3.333		82	40-140			
Indeno(1,2,3-cd)Pyrene	3.30	0.333	mg/kg wet	3.333		99	40-140			
Isophorone	2.44	0.333	mg/kg wet	3.333		73	40-140			
Naphthalene	2.72	0.333	mg/kg wet	3.333		82	40-140			
Nitrobenzene	2.80	0.333	mg/kg wet	3.333		84	40-140			
N-Nitrosodimethylamine	2.72	0.333	mg/kg wet	3.333		82	40-140			
N-Nitroso-Di-n-Propylamine	2.66	0.333	mg/kg wet	3.333		80	40-140			
N-nitrosodiphenylamine	2.75	0.333	mg/kg wet	3.333		83	40-140			
Pentachlorophenol	3.15	1.67	mg/kg wet	3.333		94	30-130			
Phenanthrene	2.76	0.333	mg/kg wet	3.333		83	40-140			
Phenol	2.79	0.333	mg/kg wet	3.333		84	30-130			
Pyrene	3.01	0.333	mg/kg wet	3.333		90	40-140			
Pyridine	1.93	1.67	mg/kg wet	3.333		58	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.80*		mg/kg wet	*3.333*		*84*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.73*		mg/kg wet	*5.000*		*95*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.44*		mg/kg wet	*5.000*		*89*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.97*		mg/kg wet	*3.333*		*89*	*30-130*			
Surrogate: 2-Fluorophenol	*4.63*		mg/kg wet	*5.000*		*93*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.90*		mg/kg wet	*3.333*		*87*	*30-130*			
Surrogate: Phenol-d6	*4.41*		mg/kg wet	*5.000*		*88*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.05*		mg/kg wet	*3.333*		*91*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.27	0.333	mg/kg wet	3.333		68	40-140	3	30	
1,2,4-Trichlorobenzene	2.78	0.333	mg/kg wet	3.333		83	40-140	2	30	
1,2-Dichlorobenzene	2.76	0.333	mg/kg wet	3.333		83	40-140	1	30	
1,3-Dichlorobenzene	2.76	0.333	mg/kg wet	3.333		83	40-140	0.5	30	
1,4-Dichlorobenzene	2.77	0.333	mg/kg wet	3.333		83	40-140	0.7	30	
2,3,4,6-Tetrachlorophenol	2.73	1.67	mg/kg wet	3.333		82	30-130	2	30	
2,4,5-Trichlorophenol	3.08	0.333	mg/kg wet	3.333		93	30-130	3	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20J0123

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DJ00558 - 3546										
2,4,6-Trichlorophenol	2.95	0.333	mg/kg wet	3.333		88	30-130	4	30	
2,4-Dichlorophenol	2.94	0.333	mg/kg wet	3.333		88	30-130	1	30	
2,4-Dimethylphenol	2.98	0.333	mg/kg wet	3.333		90	30-130	2	30	
2,4-Dinitrophenol	2.91	1.67	mg/kg wet	3.333		87	30-130	0.05	30	
2,4-Dinitrotoluene	3.06	0.333	mg/kg wet	3.333		92	40-140	0.6	30	
2,6-Dinitrotoluene	2.85	0.333	mg/kg wet	3.333		86	40-140	4	30	
2-Chloronaphthalene	2.60	0.333	mg/kg wet	3.333		78	40-140	3	30	
2-Chlorophenol	2.74	0.333	mg/kg wet	3.333		82	30-130	2	30	
2-Methylnaphthalene	2.59	0.333	mg/kg wet	3.333		78	40-140	2	30	
2-Methylphenol	2.82	0.333	mg/kg wet	3.333		85	30-130	0.4	30	
2-Nitroaniline	3.00	0.333	mg/kg wet	3.333		90	40-140	2	30	
2-Nitrophenol	2.99	0.333	mg/kg wet	3.333		90	30-130	0.5	30	
3,3´-Dichlorobenzidine	2.79	0.667	mg/kg wet	3.333		84	40-140	4	30	
3+4-Methylphenol	4.88	0.667	mg/kg wet	6.667		73	30-130	0.05	30	
3-Nitroaniline	2.65	0.333	mg/kg wet	3.333		80	40-140	3	30	
4,6-Dinitro-2-Methylphenol	3.02	1.67	mg/kg wet	3.333		91	30-130	2	30	
4-Bromophenyl-phenylether	2.98	0.333	mg/kg wet	3.333		90	40-140	0.9	30	
4-Chloro-3-Methylphenol	2.96	0.333	mg/kg wet	3.333		89	30-130	0.2	30	
4-Chloroaniline	1.93	0.667	mg/kg wet	3.333		58	40-140	5	30	
4-Chloro-phenyl-phenyl ether	2.63	0.333	mg/kg wet	3.333		79	40-140	6	30	
4-Nitroaniline	2.67	0.333	mg/kg wet	3.333		80	40-140	3	30	
4-Nitrophenol	2.82	1.67	mg/kg wet	3.333		84	30-130	2	30	
Acenaphthene	2.59	0.333	mg/kg wet	3.333		78	40-140	4	30	
Acenaphthylene	2.60	0.333	mg/kg wet	3.333		78	40-140	3	30	
Acetophenone	2.65	0.667	mg/kg wet	3.333		79	40-140	0.6	30	
Aniline	1.83	0.667	mg/kg wet	3.333		55	40-140	0.7	30	
Anthracene	2.72	0.333	mg/kg wet	3.333		81	40-140	2	30	
Azobenzene	2.76	0.333	mg/kg wet	3.333		83	40-140	2	30	
Benzo(a)anthracene	3.10	0.333	mg/kg wet	3.333		93	40-140	3	30	
Benzo(a)pyrene	3.25	0.167	mg/kg wet	3.333		98	40-140	1	30	
Benzo(b)fluoranthene	3.00	0.333	mg/kg wet	3.333		90	40-140	3	30	
Benzo(g,h,i)perylene	3.19	0.333	mg/kg wet	3.333		96	40-140	4	30	
Benzo(k)fluoranthene	2.70	0.333	mg/kg wet	3.333		81	40-140	7	30	
Benzoic Acid	2.05	1.67	mg/kg wet	3.333		62	40-140	5	30	
Benzyl Alcohol	2.51	0.333	mg/kg wet	3.333		75	40-140	0.7	30	
bis(2-Chloroethoxy)methane	2.77	0.333	mg/kg wet	3.333		83	40-140	2	30	
bis(2-Chloroethyl)ether	2.78	0.333	mg/kg wet	3.333		83	40-140	1	30	
bis(2-chloroisopropyl)Ether	2.68	0.333	mg/kg wet	3.333		80	40-140	1	30	
bis(2-Ethylhexyl)phthalate	2.85	0.333	mg/kg wet	3.333		85	40-140	2	30	
Butylbenzylphthalate	2.84	0.333	mg/kg wet	3.333		85	40-140	0.7	30	
Carbazole	2.91	0.333	mg/kg wet	3.333		87	40-140	4	30	
Chrysene	2.84	0.167	mg/kg wet	3.333		85	40-140	4	30	
Dibenzo(a,h)Anthracene	3.15	0.167	mg/kg wet	3.333		94	40-140	6	30	
Dibenzofuran	2.76	0.333	mg/kg wet	3.333		83	40-140	4	30	
Diethylphthalate	3.02	0.333	mg/kg wet	3.333		91	40-140	2	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20J0123

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DJ00558 - 3546										
Dimethylphthalate	2.91	0.333	mg/kg wet	3.333		87	40-140	3	30	
Di-n-butylphthalate	3.21	0.333	mg/kg wet	3.333		96	40-140	0.3	30	
Di-n-octylphthalate	2.92	0.333	mg/kg wet	3.333		88	40-140	3	30	
Fluoranthene	3.02	0.333	mg/kg wet	3.333		90	40-140	2	30	
Fluorene	2.70	0.333	mg/kg wet	3.333		81	40-140	3	30	
Hexachlorobenzene	2.78	0.167	mg/kg wet	3.333		83	40-140	1	30	
Hexachlorobutadiene	2.88	0.333	mg/kg wet	3.333		86	40-140	0.8	30	
Hexachlorocyclopentadiene	2.42	1.67	mg/kg wet	3.333		73	40-140	5	30	
Hexachloroethane	2.75	0.333	mg/kg wet	3.333		83	40-140	1	30	
Indeno(1,2,3-cd)Pyrene	3.15	0.333	mg/kg wet	3.333		95	40-140	5	30	
Isophorone	2.40	0.333	mg/kg wet	3.333		72	40-140	2	30	
Naphthalene	2.66	0.333	mg/kg wet	3.333		80	40-140	2	30	
Nitrobenzene	2.79	0.333	mg/kg wet	3.333		84	40-140	0.6	30	
N-Nitrosodimethylamine	2.76	0.333	mg/kg wet	3.333		83	40-140	2	30	
N-Nitroso-Di-n-Propylamine	2.71	0.333	mg/kg wet	3.333		81	40-140	2	30	
N-nitrosodiphenylamine	2.72	0.333	mg/kg wet	3.333		82	40-140	1	30	
Pentachlorophenol	3.11	1.67	mg/kg wet	3.333		93	30-130	1	30	
Phenanthrene	2.71	0.333	mg/kg wet	3.333		81	40-140	2	30	
Phenol	2.73	0.333	mg/kg wet	3.333		82	30-130	2	30	
Pyrene	2.98	0.333	mg/kg wet	3.333		89	40-140	1	30	
Pyridine	1.95	1.67	mg/kg wet	3.333		58	40-140	0.8	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.73*		mg/kg wet	*3.333*		*82*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.68*		mg/kg wet	*5.000*		*94*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.29*		mg/kg wet	*5.000*		*86*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.81*		mg/kg wet	*3.333*		*84*	*30-130*			
Surrogate: 2-Fluorophenol	*4.48*		mg/kg wet	*5.000*		*90*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.89*		mg/kg wet	*3.333*		*87*	*30-130*			
Surrogate: Phenol-d6	*4.34*		mg/kg wet	*5.000*		*87*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.97*		mg/kg wet	*3.333*		*89*	*30-130*			
Classical Chemistry										
Batch DJ00714 - TCN Prep										
Blank										
Total Cyanide	ND	1.00	mg/kg wet							
LCS										
Total Cyanide	4.94	1.00	mg/kg wet	5.015		99	90-110			
Reference										
Total Cyanide	142	9.82	mg/kg wet	157.0		90	24-110			
Reference										
Total Cyanide	144	9.88	mg/kg wet	157.0		91	24-110			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP ESS Laboratory Work Order: 20J0123

Notes and Definitions

U	Analyte included in the analysis, but not detected
S+	Surrogate recovery(ies) above upper control limit (S+).
Q	Calibration required quadratic regression (Q).
J	Reported between MDL and MRL
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 20J0123

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

Sterling Analytical, Inc.
15 Agawam Avenue
West Springfield, MA 01089
Phone (413) 214-6541 Fax (413) 214-6842
email-madhu@sterlinganalytical.com

Visit our website: www.sterlinganalytical.com

Mass Certification - MA-00071
Conn Certification - PH-0520

Report Date October 14, 2020

Customer	Contact	Laboratory Supervisor	eMail
ESS Laboratory	S. Morrell	Madhu Shah	customerservice@sterlinganalytical.com

Sample Description
Analysis of Soil Samples

Samples Analyzed

Enclosed are Report No(s): 72059, 72060

*Results reported on 'Dry Basis'.

Sulfur Total Blank = <0.05ppm

LCS Lo Check 0.100 = 0.092ppm

ICV 1.00 = 0.980ppm

Thank you for your business

10/14/2020

Madhu Shah, Laboratory Supervisor **Date**

ALL the information contained in this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method.
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Sample	Description	Source	Taken/Time	Received
72059	20J0123-01	ESS Laboratory	10/6/20	10/8/20

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	475	mg/kg	100.00	SW 846 6010	10/14/20	dfp

Sample	Description	Source	Taken/Time	Received
72060	20J0123-02	ESS Laboratory	10/6/20	10/8/20

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	796	mg/kg	100.00	SW 846 6010	10/14/20	dfp

185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 20J0123 | Page of

Turn Time: ☐ >5 ☐ 5 ☐ 4 ☐ 3 ☑ 2 ☐ 1 ☐ Same Day

Regulatory State: RI Criteria:

Is this project for any of the following?: ☐ CT RCP ☐ MA MCP ☐ RGP ☐ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF)

☐ Limit Checker ☐ State Forms ☐ EQuIS
☐ Excel ☐ Hard Copy ☐ Enviro Data
☐ CLP-Like Package ☐ Other (Specify) →

CLIENT INFORMATION

Client: GZA
Address: 188 Valley Street Suite 300 Providence RI
Phone: 401 500 1483
Email Distribution List: Sara.haupt@gza.com

PROJECT INFORMATION

Project Name: FPLP
Project Location: 642 ALLENS AVENUE
Project Number: 33554.04 Task 6.2
Project Manager: Sara Haupt
Bill to: Sara Haupt
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	VOC	SVOCs	TPH	RCRA 8 metals	Total Sulfide	Total Cyanide	Total Number of Bottles
1	10/06/20	0834	COMP	SOIL	SP100620-1	X	X	X	X	X	X	7
2	10/06/20	0927	Comp	SOIL	SP100620-2	X	X	X	X	X	X	7

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial — V AG AG AG AG AG
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other* — 7 10/9 10/9 10/9 10/9 10/9
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other* — 6/1 1 1 1 1 1

Sampled by :

Chain needs to be filled out neatly and completely for on time delivery.

Laboratory Use Only
Cooler Temperature (°C): Iced

Comments: * Please specify "Other" preservative and containers types in this space
1) National Grid rates apply.
2) TCLP > 20 x Rule.

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration
☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
[signature]	10/06/20	1032	[signature]				
Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)

CERTIFICATE OF ANALYSIS

Sara Haupt
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: FPLP (03.0033554.60)
ESS Laboratory Work Order Number: 21D0596

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 4:48 pm, Apr 21, 2021

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Sterling Analytical Lab - West Springfield, MA	Sulfur, Sulfur (Subcontracted)

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

SAMPLE RECEIPT

The following samples were received on April 16, 2021 for the analyses specified on the enclosed Chain of Custody Record.

VOA vials for 21D0596-01 were not sampled correctly. VOA analysis was cancelled.

Sample 21D0596-03 was received by ESS Laboratory on 4/20-21 at 1549.

Revision 1 April 21, 2021: This report has been revised to include VOC results for 21D0596-03.

Lab Number	Sample Name	Matrix	Analysis
21D0596-01	SP041621-1	Soil	6010, 6010C, 7471B, 8100M, 8270D, 9014
21D0596-02	SP041621-2	Soil	6010, 6010C, 7471B, 8100M, 8260B, 8270D, 9014
21D0596-03	SP042021-1	Soil	8260B

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Methanol

21D0596-02 **Present in Method Blank (B).**
Methylene Chloride

21D0596-02 **Surrogate recovery(ies) above upper control limit (S+).**
1,2-Dichloroethane-d4 (169% @ 70-130%), 4-Bromofluorobenzene (149% @ 70-130%), Dibromofluoromethane (167% @ 70-130%), Toluene-d8 (159% @ 70-130%)

D1D0330-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2-Hexanone (32% @ 30%), Vinyl Acetate (43% @ 30%)

D1D0388-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
1,4-Dioxane - Screen (40% @ 30%)

DD12114-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
1,2,3-Trichloropropane (29% @ 25%)

8270D Semi-Volatile Organic Compounds

D1D0309-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (75% @ 80-120%), 4,6-Dinitro-2-Methylphenol (90% @ 80-120%), Benzoic Acid (75% @ 80-120%), Pentachlorophenol (92% @ 80-120%)

D1D0309-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Pyridine (32% @ 20%)

D1D0309-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
2,4-Dinitrophenol (25% @ 20%), Benzoic Acid (25% @ 20%), Hexachlorocyclopentadiene (24% @ 20%)

D1D0310-CCV1 **Analyte does not meet the Relative Response Factor (RRF) criteria in the calibration**
2,4-Dinitrophenol (77% @ 80-120%)

D1D0310-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (77% @ 80-120%), 4,6-Dinitro-2-Methylphenol (83% @ 80-120%), Benzoic Acid (83% @ 80-120%), Pentachlorophenol (91% @ 80-120%)

D1D0310-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2,3,4,6-Tetrachlorophenol (17% @ 20%), 2,4,6-Tribromophenol (9% @ 20%), N-Nitrosodimethylamine (24% @ 20%), Pyridine (6% @ 20%)

D1D0310-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
2,4-Dinitrophenol (23% @ 20%), 4,6-Dinitro-2-Methylphenol (17% @ 20%), Benzoic Acid (17% @ 20%), Hexachlorocyclopentadiene (24% @ 20%), Pentachlorophenol (9% @ 20%)

D1D0310-TUN1 **Pentachlorophenol tailing factor > 2.**

DD11609-BSD1 **Blank Spike recovery is below lower control limit (B-).**
Hexachlorocyclopentadiene (36% @ 40-140%)

Total Metals

DD11659-BSD1 **Blank Spike recovery is below lower control limit (B-).**
Arsenic (62% @ 63-136%), Chromium (67% @ 68-131%), Silver (36% @ 54-144%)

DD11659-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
Silver (56% @ 20%)

DD11659-BSD2 **Blank Spike recovery is below lower control limit (B-).**

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
ESS Laboratory Work Order: 21D0596

Cadmium (68% @ 74-105%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP041621-1
Date Sampled: 04/16/21 10:52
Percent Solids: 87

ESS Laboratory Work Order: 21D0596
ESS Laboratory Sample ID: 21D0596-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.87** (2.80)		6010C		1	KJK	04/20/21 10:41	2.05	100	DD11659
Barium	**18.2** (2.80)		6010C		1	KJK	04/20/21 10:41	2.05	100	DD11659
Cadmium	ND (0.56)		6010C		1	KJK	04/20/21 10:41	2.05	100	DD11659
Chromium	**5.17** (1.12)		6010C		1	KJK	04/20/21 10:41	2.05	100	DD11659
Lead	**32.6** (5.59)		6010C		1	KJK	04/20/21 10:41	2.05	100	DD11659
Mercury	**0.052** (0.037)		7471B		1	JRB	04/19/21 16:24	0.62	40	DD11640
Selenium	ND (5.59)		6010C		1	KJK	04/20/21 10:41	2.05	100	DD11659
Silver	ND (0.56)		6010C		1	KJK	04/20/21 10:41	2.05	100	DD11659

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP041621-1
Date Sampled: 04/16/21 10:52
Percent Solids: 87
Initial Volume: 19.4
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21D0596
ESS Laboratory Sample ID: 21D0596-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 4/16/21 17:40

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**4060** (44.3)		8100M		1	04/19/21 14:17	D1D0327	DD11653

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*86 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP041621-1
Date Sampled: 04/16/21 10:52
Percent Solids: 87
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21D0596
ESS Laboratory Sample ID: 21D0596-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/16/21 17:40

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	**0.815** (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
1,2,4-Trichlorobenzene	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
1,2-Dichlorobenzene	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
1,3-Dichlorobenzene	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
1,4-Dichlorobenzene	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
2,3,4,6-Tetrachlorophenol	ND (2.01)		8270D		1	04/17/21 0:30	D1D0310	DD11609
2,4,5-Trichlorophenol	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
2,4,6-Trichlorophenol	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
2,4-Dichlorophenol	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
2,4-Dimethylphenol	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
2,4-Dinitrophenol	ND (2.01)		8270D		1	04/17/21 0:30	D1D0310	DD11609
2,4-Dinitrotoluene	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
2,6-Dinitrotoluene	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
2-Chloronaphthalene	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
2-Chlorophenol	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
2-Methylnaphthalene	**22.8** (4.00)		8270D		10	04/19/21 21:38	D1D0310	DD11609
2-Methylphenol	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
2-Nitroaniline	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
2-Nitrophenol	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
3,3′-Dichlorobenzidine	ND (0.802)		8270D		1	04/17/21 0:30	D1D0310	DD11609
3+4-Methylphenol	ND (0.802)		8270D		1	04/17/21 0:30	D1D0310	DD11609
3-Nitroaniline	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
4,6-Dinitro-2-Methylphenol	ND (2.01)		8270D		1	04/17/21 0:30	D1D0310	DD11609
4-Bromophenyl-phenylether	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
4-Chloro-3-Methylphenol	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
4-Chloroaniline	ND (0.802)		8270D		1	04/17/21 0:30	D1D0310	DD11609
4-Chloro-phenyl-phenyl ether	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
4-Nitroaniline	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
4-Nitrophenol	ND (2.01)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Acenaphthene	**5.82** (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Acenaphthylene	**2.58** (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Acetophenone	ND (0.802)		8270D		1	04/17/21 0:30	D1D0310	DD11609

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP041621-1
Date Sampled: 04/16/21 10:52
Percent Solids: 87
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21D0596
ESS Laboratory Sample ID: 21D0596-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/16/21 17:40

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.802)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Anthracene	**6.71** (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Azobenzene	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Benzo(a)anthracene	**6.75** (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Benzo(a)pyrene	**7.14** (0.201)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Benzo(b)fluoranthene	**5.18** (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Benzo(g,h,i)perylene	**3.46** (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Benzo(k)fluoranthene	**3.98** (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Benzoic Acid	ND (2.01)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Benzyl Alcohol	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
bis(2-Chloroethoxy)methane	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
bis(2-Chloroethyl)ether	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
bis(2-chloroisopropyl)Ether	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
bis(2-Ethylhexyl)phthalate	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Butylbenzylphthalate	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Carbazole	**1.16** (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Chrysene	**5.68** (0.201)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Dibenzo(a,h)Anthracene	**0.886** (0.201)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Dibenzofuran	**3.89** (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Diethylphthalate	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Dimethylphthalate	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Di-n-butylphthalate	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Di-n-octylphthalate	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Fluoranthene	**12.7** (4.00)		8270D		10	04/19/21 21:38	D1D0310	DD11609
Fluorene	**8.28** (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Hexachlorobenzene	ND (0.201)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Hexachlorobutadiene	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Hexachlorocyclopentadiene	ND (2.01)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Hexachloroethane	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Indeno(1,2,3-cd)Pyrene	**3.81** (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Isophorone	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Naphthalene	**33.0** (4.00)		8270D		10	04/19/21 21:38	D1D0310	DD11609

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP041621-1
Date Sampled: 04/16/21 10:52
Percent Solids: 87
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21D0596
ESS Laboratory Sample ID: 21D0596-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/16/21 17:40

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
N-Nitrosodimethylamine	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
N-Nitroso-Di-n-Propylamine	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
N-nitrosodiphenylamine	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Pentachlorophenol	ND (2.01)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Phenanthrene	**28.3** (4.00)		8270D		10	04/19/21 21:38	D1D0310	DD11609
Phenol	ND (0.400)		8270D		1	04/17/21 0:30	D1D0310	DD11609
Pyrene	**19.0** (4.00)		8270D		10	04/19/21 21:38	D1D0310	DD11609
Pyridine	ND (2.01)		8270D		1	04/17/21 0:30	D1D0310	DD11609

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*61 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*68 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*60 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*53 %*		*30-130*
Surrogate: 2-Fluorophenol	*56 %*		*30-130*
Surrogate: Nitrobenzene-d5	*67 %*		*30-130*
Surrogate: Phenol-d6	*67 %*		*30-130*
Surrogate: p-Terphenyl-d14	*67 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP041621-1
Date Sampled: 04/16/21 10:52
Percent Solids: 87

ESS Laboratory Work Order: 21D0596
ESS Laboratory Sample ID: 21D0596-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**23.0** (1.05)		9014		1	EEM	04/19/21 11:55	mg/kg dry	DD11927

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP041621-1
Date Sampled: 04/16/21 10:52
Percent Solids: 87
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 21D0596
ESS Laboratory Sample ID: 21D0596-01
Sample Matrix: Soil

Analyst: SUB
Prepared: 4/20/21 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**11000** (100)		6010		1	SUB	04/20/21 0:00	mg/kg	DD12052

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP041621-2
Date Sampled: 04/16/21 11:36
Percent Solids: 72

ESS Laboratory Work Order: 21D0596
ESS Laboratory Sample ID: 21D0596-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.79** (3.35)		6010C		1	KJK	04/20/21 10:42	2.08	100	DD11659
Barium	**15.6** (3.35)		6010C		1	KJK	04/20/21 10:42	2.08	100	DD11659
Cadmium	ND (0.67)		6010C		1	KJK	04/20/21 10:42	2.08	100	DD11659
Chromium	**11.3** (1.34)		6010C		1	KJK	04/20/21 10:42	2.08	100	DD11659
Lead	**22.5** (6.71)		6010C		1	KJK	04/20/21 10:42	2.08	100	DD11659
Mercury	ND (0.040)		7471B		1	JRB	04/19/21 16:26	0.69	40	DD11640
Selenium	ND (6.71)		6010C		1	KJK	04/20/21 10:42	2.08	100	DD11659
Silver	ND (0.67)		6010C		1	KJK	04/20/21 10:42	2.08	100	DD11659

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP041621-2
Date Sampled: 04/16/21 11:36
Percent Solids: 72
Initial Volume: 35.8
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 21D0596
ESS Laboratory Sample ID: 21D0596-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
1,1,1-Trichloroethane	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
1,1,2,2-Tetrachloroethane	ND (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
1,1,2-Trichloroethane	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
1,1-Dichloroethane	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
1,1-Dichloroethene	ND (0.196)	0.0587	8260B		1	04/19/21 13:16	D1D0330	DD11943
1,1-Dichloropropene	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
1,2,3-Trichlorobenzene	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
1,2,3-Trichloropropane	ND (0.196)	0.0587	8260B		1	04/19/21 13:16	D1D0330	DD11943
1,2,4-Trichlorobenzene	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
1,2,4-Trimethylbenzene	**0.407** (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
1,2-Dibromo-3-Chloropropane	ND (0.979)	0.196	8260B		1	04/19/21 13:16	D1D0330	DD11943
1,2-Dibromoethane	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
1,2-Dichlorobenzene	ND (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
1,2-Dichloroethane	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
1,2-Dichloropropane	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
1,3,5-Trimethylbenzene	ND (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
1,3-Dichlorobenzene	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
1,3-Dichloropropane	ND (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
1,4-Dichlorobenzene	ND (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
1,4-Dioxane - Screen	ND (39.2)	37.2	8260B		1	04/19/21 13:16	D1D0330	DD11943
1-Chlorohexane	ND (0.196)	0.0783	8260B		1	04/19/21 13:16	D1D0330	DD11943
2,2-Dichloropropane	ND (0.196)	0.0587	8260B		1	04/19/21 13:16	D1D0330	DD11943
2-Butanone	ND (0.979)	0.666	8260B		1	04/19/21 13:16	D1D0330	DD11943
2-Chlorotoluene	ND (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
2-Hexanone	ND (0.979)	0.294	8260B		1	04/19/21 13:16	D1D0330	DD11943
4-Chlorotoluene	ND (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
4-Isopropyltoluene	**J 0.0450** (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
4-Methyl-2-Pentanone	ND (0.979)	0.313	8260B		1	04/19/21 13:16	D1D0330	DD11943
Acetone	ND (0.979)	0.529	8260B		1	04/19/21 13:16	D1D0330	DD11943
Benzene	**J 0.0646** (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
Bromobenzene	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP041621-2
Date Sampled: 04/16/21 11:36
Percent Solids: 72
Initial Volume: 35.8
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 21D0596
ESS Laboratory Sample ID: 21D0596-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.196)	0.0587	8260B		1	04/19/21 13:16	D1D0330	DD11943
Bromodichloromethane	ND (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
Bromoform	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
Bromomethane	ND (0.196)	0.0783	8260B		1	04/19/21 13:16	D1D0330	DD11943
Carbon Disulfide	ND (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
Carbon Tetrachloride	ND (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
Chlorobenzene	ND (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
Chloroethane	ND (0.196)	0.0783	8260B		1	04/19/21 13:16	D1D0330	DD11943
Chloroform	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
Chloromethane	ND (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
cis-1,2-Dichloroethene	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
cis-1,3-Dichloropropene	ND (0.196)	0.0587	8260B		1	04/19/21 13:16	D1D0330	DD11943
Dibromochloromethane	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
Dibromomethane	ND (0.196)	0.0587	8260B		1	04/19/21 13:16	D1D0330	DD11943
Dichlorodifluoromethane	ND (0.196)	0.0587	8260B		1	04/19/21 13:16	D1D0330	DD11943
Diethyl Ether	ND (0.196)	0.0587	8260B		1	04/19/21 13:16	D1D0330	DD11943
Di-isopropyl ether	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
Ethyl tertiary-butyl ether	ND (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
Ethylbenzene	**J 0.184** (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
Hexachlorobutadiene	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
Isopropylbenzene	**J 0.0529** (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
Methyl tert-Butyl Ether	ND (0.196)	0.0587	8260B		1	04/19/21 13:16	D1D0330	DD11943
Methylene Chloride	**B, J 0.129** (0.392)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
Naphthalene	**5.84** (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
n-Butylbenzene	**J 0.117** (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
n-Propylbenzene	**J 0.0744** (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
sec-Butylbenzene	**J 0.0725** (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
Styrene	ND (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
tert-Butylbenzene	ND (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
Tertiary-amyl methyl ether	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
Tetrachloroethene	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
Tetrahydrofuran	ND (0.979)	0.313	8260B		1	04/19/21 13:16	D1D0330	DD11943

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP041621-2
Date Sampled: 04/16/21 11:36
Percent Solids: 72
Initial Volume: 35.8
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 21D0596
ESS Laboratory Sample ID: 21D0596-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	**J 0.0313** (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
trans-1,2-Dichloroethene	ND (0.196)	0.0587	8260B		1	04/19/21 13:16	D1D0330	DD11943
trans-1,3-Dichloropropene	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
Trichloroethene	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
Trichlorofluoromethane	ND (0.196)	0.0783	8260B		1	04/19/21 13:16	D1D0330	DD11943
Vinyl Acetate	ND (0.196)	0.0979	8260B		1	04/19/21 13:16	D1D0330	DD11943
Vinyl Chloride	ND (0.196)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
Xylene O	**J 0.0587** (0.196)	0.0196	8260B		1	04/19/21 13:16	D1D0330	DD11943
Xylene P,M	**J 0.0529** (0.392)	0.0392	8260B		1	04/19/21 13:16	D1D0330	DD11943
Xylenes (Total)	ND (0.392)		8260B		1	04/19/21 13:16		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*169 %*	*S+*	*70-130*
Surrogate: 4-Bromofluorobenzene	*149 %*	*S+*	*70-130*
Surrogate: Dibromofluoromethane	*167 %*	*S+*	*70-130*
Surrogate: Toluene-d8	*159 %*	*S+*	*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP041621-2
Date Sampled: 04/16/21 11:36
Percent Solids: 72
Initial Volume: 19.4
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21D0596
ESS Laboratory Sample ID: 21D0596-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 4/16/21 17:40

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**226** (53.9)		8100M		1	04/19/21 14:50	D1D0327	DD11653

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*83 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP041621-2
Date Sampled: 04/16/21 11:36
Percent Solids: 72
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21D0596
ESS Laboratory Sample ID: 21D0596-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/16/21 17:40

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
1,2,4-Trichlorobenzene	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
1,2-Dichlorobenzene	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
1,3-Dichlorobenzene	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
1,4-Dichlorobenzene	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
2,3,4,6-Tetrachlorophenol	ND (2.38)		8270D		1	04/17/21 1:01	D1D0310	DD11654
2,4,5-Trichlorophenol	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
2,4,6-Trichlorophenol	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
2,4-Dichlorophenol	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
2,4-Dimethylphenol	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
2,4-Dinitrophenol	ND (2.38)		8270D		1	04/17/21 1:01	D1D0310	DD11654
2,4-Dinitrotoluene	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
2,6-Dinitrotoluene	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
2-Chloronaphthalene	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
2-Chlorophenol	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
2-Methylnaphthalene	**1.51** (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
2-Methylphenol	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
2-Nitroaniline	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
2-Nitrophenol	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
3,3′-Dichlorobenzidine	ND (0.949)		8270D		1	04/17/21 1:01	D1D0310	DD11654
3+4-Methylphenol	ND (0.949)		8270D		1	04/17/21 1:01	D1D0310	DD11654
3-Nitroaniline	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
4,6-Dinitro-2-Methylphenol	ND (2.38)		8270D		1	04/17/21 1:01	D1D0310	DD11654
4-Bromophenyl-phenylether	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
4-Chloro-3-Methylphenol	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
4-Chloroaniline	ND (0.949)		8270D		1	04/17/21 1:01	D1D0310	DD11654
4-Chloro-phenyl-phenyl ether	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
4-Nitroaniline	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
4-Nitrophenol	ND (2.38)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Acenaphthene	**0.476** (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Acenaphthylene	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Acetophenone	ND (0.949)		8270D		1	04/17/21 1:01	D1D0310	DD11654

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP041621-2
Date Sampled: 04/16/21 11:36
Percent Solids: 72
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21D0596
ESS Laboratory Sample ID: 21D0596-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/16/21 17:40

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.949)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Anthracene	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Azobenzene	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Benzo(a)anthracene	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Benzo(a)pyrene	**0.471** (0.238)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Benzo(b)fluoranthene	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Benzo(g,h,i)perylene	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Benzo(k)fluoranthene	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Benzoic Acid	ND (2.38)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Benzyl Alcohol	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
bis(2-Chloroethoxy)methane	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
bis(2-Chloroethyl)ether	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
bis(2-chloroisopropyl)Ether	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
bis(2-Ethylhexyl)phthalate	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Butylbenzylphthalate	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Carbazole	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Chrysene	**0.371** (0.238)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Dibenzo(a,h)Anthracene	ND (0.238)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Dibenzofuran	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Diethylphthalate	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Dimethylphthalate	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Di-n-butylphthalate	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Di-n-octylphthalate	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Fluoranthene	**0.852** (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Fluorene	**0.696** (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Hexachlorobenzene	ND (0.238)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Hexachlorobutadiene	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Hexachlorocyclopentadiene	ND (2.38)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Hexachloroethane	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Indeno(1,2,3-cd)Pyrene	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Isophorone	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Naphthalene	**2.29** (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP041621-2
Date Sampled: 04/16/21 11:36
Percent Solids: 72
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21D0596
ESS Laboratory Sample ID: 21D0596-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/16/21 17:40

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
N-Nitrosodimethylamine	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
N-Nitroso-Di-n-Propylamine	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
N-nitrosodiphenylamine	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Pentachlorophenol	ND (2.38)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Phenanthrene	**1.78** (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Phenol	ND (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Pyrene	**1.07** (0.474)		8270D		1	04/17/21 1:01	D1D0310	DD11654
Pyridine	ND (2.38)		8270D		1	04/17/21 1:01	D1D0310	DD11654

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*75 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*87 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*76 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*73 %*		*30-130*
Surrogate: 2-Fluorophenol	*74 %*		*30-130*
Surrogate: Nitrobenzene-d5	*75 %*		*30-130*
Surrogate: Phenol-d6	*78 %*		*30-130*
Surrogate: p-Terphenyl-d14	*76 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP041621-2
Date Sampled: 04/16/21 11:36
Percent Solids: 72

ESS Laboratory Work Order: 21D0596
ESS Laboratory Sample ID: 21D0596-02
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**11.7** (1.29)		9014		1	EEM	04/19/21 11:55	mg/kg dry	DD11927

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP041621-2
Date Sampled: 04/16/21 11:36
Percent Solids: 72
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 21D0596
ESS Laboratory Sample ID: 21D0596-02
Sample Matrix: Soil

Analyst: SUB
Prepared: 4/20/21 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**1650** (100)		6010		1	SUB	04/20/21 0:00	mg/kg	DD12052

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP042021-1
Date Sampled: 04/20/21 10:19
Percent Solids: 87
Initial Volume: 22.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 21D0596
ESS Laboratory Sample ID: 21D0596-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
1,1,1-Trichloroethane	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
1,1,2,2-Tetrachloroethane	ND (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
1,1,2-Trichloroethane	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
1,1-Dichloroethane	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
1,1-Dichloroethene	ND (0.179)	0.0538	8260B		1	04/21/21 12:03	D1D0388	DD12114
1,1-Dichloropropene	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
1,2,3-Trichlorobenzene	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
1,2,3-Trichloropropane	ND (0.179)	0.0538	8260B		1	04/21/21 12:03	D1D0388	DD12114
1,2,4-Trichlorobenzene	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
1,2,4-Trimethylbenzene	**2.40** (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
1,2-Dibromo-3-Chloropropane	ND (0.897)	0.179	8260B		1	04/21/21 12:03	D1D0388	DD12114
1,2-Dibromoethane	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
1,2-Dichlorobenzene	ND (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
1,2-Dichloroethane	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
1,2-Dichloropropane	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
1,3,5-Trimethylbenzene	**0.239** (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
1,3-Dichlorobenzene	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
1,3-Dichloropropane	ND (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
1,4-Dichlorobenzene	ND (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
1,4-Dioxane - Screen	ND (35.9)	34.1	8260B		1	04/21/21 12:03	D1D0388	DD12114
1-Chlorohexane	ND (0.179)	0.0718	8260B		1	04/21/21 12:03	D1D0388	DD12114
2,2-Dichloropropane	ND (0.179)	0.0538	8260B		1	04/21/21 12:03	D1D0388	DD12114
2-Butanone	ND (0.897)	0.610	8260B		1	04/21/21 12:03	D1D0388	DD12114
2-Chlorotoluene	ND (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
2-Hexanone	ND (0.897)	0.269	8260B		1	04/21/21 12:03	D1D0388	DD12114
4-Chlorotoluene	ND (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
4-Isopropyltoluene	**0.481** (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
4-Methyl-2-Pentanone	ND (0.897)	0.287	8260B		1	04/21/21 12:03	D1D0388	DD12114
Acetone	ND (0.897)	0.484	8260B		1	04/21/21 12:03	D1D0388	DD12114
Benzene	**0.409** (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
Bromobenzene	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP042021-1
Date Sampled: 04/20/21 10:19
Percent Solids: 87
Initial Volume: 22.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 21D0596
ESS Laboratory Sample ID: 21D0596-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.179)	0.0538	8260B		1	04/21/21 12:03	D1D0388	DD12114
Bromodichloromethane	ND (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
Bromoform	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
Bromomethane	ND (0.179)	0.0718	8260B		1	04/21/21 12:03	D1D0388	DD12114
Carbon Disulfide	ND (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
Carbon Tetrachloride	ND (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
Chlorobenzene	ND (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
Chloroethane	ND (0.179)	0.0718	8260B		1	04/21/21 12:03	D1D0388	DD12114
Chloroform	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
Chloromethane	ND (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
cis-1,2-Dichloroethene	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
cis-1,3-Dichloropropene	ND (0.179)	0.0538	8260B		1	04/21/21 12:03	D1D0388	DD12114
Dibromochloromethane	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
Dibromomethane	ND (0.179)	0.0538	8260B		1	04/21/21 12:03	D1D0388	DD12114
Dichlorodifluoromethane	ND (0.179)	0.0538	8260B		1	04/21/21 12:03	D1D0388	DD12114
Diethyl Ether	ND (0.179)	0.0538	8260B		1	04/21/21 12:03	D1D0388	DD12114
Di-isopropyl ether	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
Ethyl tertiary-butyl ether	ND (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
Ethylbenzene	**1.10** (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
Hexachlorobutadiene	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
Isopropylbenzene	**0.265** (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
Methyl tert-Butyl Ether	ND (0.179)	0.0538	8260B		1	04/21/21 12:03	D1D0388	DD12114
Methylene Chloride	**J 0.0556** (0.359)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
Naphthalene	**21.7** (1.79)	0.359	8260B		10	04/21/21 12:56	D1D0388	DD12114
n-Butylbenzene	**0.746** (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
n-Propylbenzene	**0.341** (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
sec-Butylbenzene	**0.321** (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
Styrene	ND (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
tert-Butylbenzene	**J 0.0233** (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
Tertiary-amyl methyl ether	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
Tetrachloroethene	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
Tetrahydrofuran	ND (0.897)	0.287	8260B		1	04/21/21 12:03	D1D0388	DD12114

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP042021-1
Date Sampled: 04/20/21 10:19
Percent Solids: 87
Initial Volume: 22.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 21D0596
ESS Laboratory Sample ID: 21D0596-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	**0.231** (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
trans-1,2-Dichloroethene	ND (0.179)	0.0538	8260B		1	04/21/21 12:03	D1D0388	DD12114
trans-1,3-Dichloropropene	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
Trichloroethene	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
Trichlorofluoromethane	ND (0.179)	0.0718	8260B		1	04/21/21 12:03	D1D0388	DD12114
Vinyl Acetate	ND (0.179)	0.0897	8260B		1	04/21/21 12:03	D1D0388	DD12114
Vinyl Chloride	ND (0.179)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
Xylene O	**0.420** (0.179)	0.0179	8260B		1	04/21/21 12:03	D1D0388	DD12114
Xylene P,M	**0.396** (0.359)	0.0359	8260B		1	04/21/21 12:03	D1D0388	DD12114
Xylenes (Total)	**0.816** (0.359)		8260B		1	04/21/21 12:03		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*110 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*106 %*		*70-130*
Surrogate: Dibromofluoromethane	*114 %*		*70-130*
Surrogate: Toluene-d8	*106 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DD11640 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	25.2	3.25	mg/kg wet	27.90		90	80-120			
LCS Dup										
Mercury	24.7	3.05	mg/kg wet	27.90		88	80-120	2	20	
Batch DD11659 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
Barium	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
LCS										
Arsenic	28.3	8.33	mg/kg wet	43.10		66	63-136			
Barium	403	8.33	mg/kg wet	597.0		67	65-134			
Chromium	205	3.33	mg/kg wet	299.0		68	68-131			
Lead	101	16.7	mg/kg wet	144.0		70	69-130			
Selenium	103	16.7	mg/kg wet	154.0		67	52-147			
Silver	46.7	1.67	mg/kg wet	73.50		64	54-144			
LCS										
Cadmium	123	1.59	mg/kg wet	151.0		82	74-105			
LCS Dup										
Arsenic	26.9	8.33	mg/kg wet	43.10		62	63-136	5	20	B-
Barium	429	8.33	mg/kg wet	597.0		72	65-134	6	20	
Chromium	201	3.33	mg/kg wet	299.0		67	68-131	2	20	B-
Lead	99.9	16.7	mg/kg wet	144.0		69	69-130	1	20	
Selenium	104	16.7	mg/kg wet	154.0		68	52-147	0.8	20	
Silver	26.3	1.67	mg/kg wet	73.50		36	54-144	56	20	B-, D+
LCS Dup										
Cadmium	103	1.61	mg/kg wet	151.0		68	74-105	18	20	B-
5035/8260B Volatile Organic Compounds / Methanol										
Batch DD11943 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,1-Trichloroethane	ND	0.200	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,2-Trichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethene	ND	0.200	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DD11943 - 5035										
1,1-Dichloropropene	ND	0.200	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,3-Trichloropropane	ND	0.200	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.200	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	1.00	mg/kg wet							
1,2-Dibromoethane	ND	0.200	mg/kg wet							
1,2-Dichlorobenzene	ND	0.200	mg/kg wet							
1,2-Dichloroethane	ND	0.200	mg/kg wet							
1,2-Dichloropropane	ND	0.200	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.200	mg/kg wet							
1,3-Dichlorobenzene	ND	0.200	mg/kg wet							
1,3-Dichloropropane	ND	0.200	mg/kg wet							
1,4-Dichlorobenzene	ND	0.200	mg/kg wet							
1,4-Dioxane - Screen	ND	40.0	mg/kg wet							
1-Chlorohexane	ND	0.200	mg/kg wet							
2,2-Dichloropropane	ND	0.200	mg/kg wet							
2-Butanone	ND	1.00	mg/kg wet							
2-Chlorotoluene	ND	0.200	mg/kg wet							
2-Hexanone	ND	1.00	mg/kg wet							
4-Chlorotoluene	ND	0.200	mg/kg wet							
4-Isopropyltoluene	ND	0.200	mg/kg wet							
4-Methyl-2-Pentanone	ND	1.00	mg/kg wet							
Acetone	ND	1.00	mg/kg wet							
Benzene	ND	0.200	mg/kg wet							
Bromobenzene	ND	0.200	mg/kg wet							
Bromochloromethane	ND	0.200	mg/kg wet							
Bromodichloromethane	ND	0.200	mg/kg wet							
Bromoform	ND	0.200	mg/kg wet							
Bromomethane	ND	0.200	mg/kg wet							
Carbon Disulfide	ND	0.200	mg/kg wet							
Carbon Tetrachloride	ND	0.200	mg/kg wet							
Chlorobenzene	ND	0.200	mg/kg wet							
Chloroethane	ND	0.200	mg/kg wet							
Chloroform	ND	0.200	mg/kg wet							
Chloromethane	ND	0.200	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.200	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Dibromochloromethane	ND	0.200	mg/kg wet							
Dibromomethane	ND	0.200	mg/kg wet							
Dichlorodifluoromethane	ND	0.200	mg/kg wet							
Diethyl Ether	ND	0.200	mg/kg wet							
Di-isopropyl ether	ND	0.200	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.200	mg/kg wet							
Ethylbenzene	ND	0.200	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DD11943 - 5035										
Hexachlorobutadiene	ND	0.200	mg/kg wet							
Isopropylbenzene	ND	0.200	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.200	mg/kg wet							
Methylene Chloride	0.0640	0.400	mg/kg wet							J
Naphthalene	ND	0.200	mg/kg wet							
n-Butylbenzene	ND	0.200	mg/kg wet							
n-Propylbenzene	ND	0.200	mg/kg wet							
sec-Butylbenzene	ND	0.200	mg/kg wet							
Styrene	ND	0.200	mg/kg wet							
tert-Butylbenzene	ND	0.200	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.200	mg/kg wet							
Tetrachloroethene	ND	0.200	mg/kg wet							
Tetrahydrofuran	ND	1.00	mg/kg wet							
Toluene	ND	0.200	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.200	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Trichloroethene	ND	0.200	mg/kg wet							
Trichlorofluoromethane	ND	0.200	mg/kg wet							
Vinyl Acetate	ND	0.200	mg/kg wet							
Vinyl Chloride	ND	0.200	mg/kg wet							
Xylene O	ND	0.200	mg/kg wet							
Xylene P,M	ND	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*5.00*		mg/kg wet	*5.000*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.00*		mg/kg wet	*5.000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*5.00*		mg/kg wet	*5.000*		*100*	*70-130*			
Surrogate: Toluene-d8	*5.00*		mg/kg wet	*5.000*		*100*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	1.91	0.200	mg/kg wet	2.000		95	70-130			
1,1,1-Trichloroethane	1.83	0.200	mg/kg wet	2.000		91	70-130			
1,1,2,2-Tetrachloroethane	2.02	0.200	mg/kg wet	2.000		101	70-130			
1,1,2-Trichloroethane	1.77	0.200	mg/kg wet	2.000		89	70-130			
1,1-Dichloroethane	1.98	0.200	mg/kg wet	2.000		99	70-130			
1,1-Dichloroethene	2.09	0.200	mg/kg wet	2.000		105	70-130			
1,1-Dichloropropene	1.99	0.200	mg/kg wet	2.000		99	70-130			
1,2,3-Trichlorobenzene	2.00	0.200	mg/kg wet	2.000		100	70-130			
1,2,3-Trichloropropane	2.01	0.200	mg/kg wet	2.000		100	70-130			
1,2,4-Trichlorobenzene	2.09	0.200	mg/kg wet	2.000		104	70-130			
1,2,4-Trimethylbenzene	1.95	0.200	mg/kg wet	2.000		97	70-130			
1,2-Dibromo-3-Chloropropane	1.81	1.00	mg/kg wet	2.000		91	70-130			
1,2-Dibromoethane	1.95	0.200	mg/kg wet	2.000		98	70-130			
1,2-Dichlorobenzene	1.91	0.200	mg/kg wet	2.000		96	70-130			
1,2-Dichloroethane	1.85	0.200	mg/kg wet	2.000		92	70-130			
1,2-Dichloropropane	2.10	0.200	mg/kg wet	2.000		105	70-130			
1,3,5-Trimethylbenzene	2.02	0.200	mg/kg wet	2.000		101	70-130			
1,3-Dichlorobenzene	1.92	0.200	mg/kg wet	2.000		96	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DD11943 - 5035										
1,3-Dichloropropane	2.24	0.200	mg/kg wet	2.000		112	70-130			
1,4-Dichlorobenzene	1.76	0.200	mg/kg wet	2.000		88	70-130			
1,4-Dioxane - Screen	51.0	40.0	mg/kg wet	40.00		128	44-241			
1-Chlorohexane	1.88	0.200	mg/kg wet	2.000		94	70-130			
2,2-Dichloropropane	2.04	0.200	mg/kg wet	2.000		102	70-130			
2-Butanone	9.01	1.00	mg/kg wet	10.00		90	70-130			
2-Chlorotoluene	2.02	0.200	mg/kg wet	2.000		101	70-130			
2-Hexanone	10.4	1.00	mg/kg wet	10.00		104	70-130			
4-Chlorotoluene	2.04	0.200	mg/kg wet	2.000		102	70-130			
4-Isopropyltoluene	1.87	0.200	mg/kg wet	2.000		93	70-130			
4-Methyl-2-Pentanone	8.65	1.00	mg/kg wet	10.00		86	70-130			
Acetone	9.47	1.00	mg/kg wet	10.00		95	70-130			
Benzene	2.09	0.200	mg/kg wet	2.000		105	70-130			
Bromobenzene	1.87	0.200	mg/kg wet	2.000		93	70-130			
Bromochloromethane	1.85	0.200	mg/kg wet	2.000		92	70-130			
Bromodichloromethane	1.88	0.200	mg/kg wet	2.000		94	70-130			
Bromoform	1.76	0.200	mg/kg wet	2.000		88	70-130			
Bromomethane	1.82	0.200	mg/kg wet	2.000		91	70-130			
Carbon Disulfide	2.10	0.200	mg/kg wet	2.000		105	70-130			
Carbon Tetrachloride	1.70	0.200	mg/kg wet	2.000		85	70-130			
Chlorobenzene	1.92	0.200	mg/kg wet	2.000		96	70-130			
Chloroethane	2.12	0.200	mg/kg wet	2.000		106	70-130			
Chloroform	1.91	0.200	mg/kg wet	2.000		96	70-130			
Chloromethane	1.94	0.200	mg/kg wet	2.000		97	70-130			
cis-1,2-Dichloroethene	2.13	0.200	mg/kg wet	2.000		106	70-130			
cis-1,3-Dichloropropene	2.05	0.200	mg/kg wet	2.000		102	70-130			
Dibromochloromethane	1.84	0.200	mg/kg wet	2.000		92	70-130			
Dibromomethane	1.82	0.200	mg/kg wet	2.000		91	70-130			
Dichlorodifluoromethane	1.54	0.200	mg/kg wet	2.000		77	70-130			
Diethyl Ether	1.79	0.200	mg/kg wet	2.000		90	70-130			
Di-isopropyl ether	2.11	0.200	mg/kg wet	2.000		106	70-130			
Ethyl tertiary-butyl ether	1.91	0.200	mg/kg wet	2.000		95	70-130			
Ethylbenzene	2.08	0.200	mg/kg wet	2.000		104	70-130			
Hexachlorobutadiene	2.14	0.200	mg/kg wet	2.000		107	70-130			
Isopropylbenzene	1.96	0.200	mg/kg wet	2.000		98	70-130			
Methyl tert-Butyl Ether	2.09	0.200	mg/kg wet	2.000		105	70-130			
Methylene Chloride	2.03	0.400	mg/kg wet	2.000		101	70-130			
Naphthalene	1.83	0.200	mg/kg wet	2.000		92	70-130			
n-Butylbenzene	2.14	0.200	mg/kg wet	2.000		107	70-130			
n-Propylbenzene	2.05	0.200	mg/kg wet	2.000		103	70-130			
sec-Butylbenzene	1.83	0.200	mg/kg wet	2.000		91	70-130			
Styrene	1.98	0.200	mg/kg wet	2.000		99	70-130			
tert-Butylbenzene	1.96	0.200	mg/kg wet	2.000		98	70-130			
Tertiary-amyl methyl ether	1.97	0.200	mg/kg wet	2.000		98	70-130			
Tetrachloroethene	1.41	0.200	mg/kg wet	2.000		71	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DD11943 - 5035										
Tetrahydrofuran	1.81	1.00	mg/kg wet	2.000		91	70-130			
Toluene	1.95	0.200	mg/kg wet	2.000		97	70-130			
trans-1,2-Dichloroethene	2.01	0.200	mg/kg wet	2.000		100	70-130			
trans-1,3-Dichloropropene	1.88	0.200	mg/kg wet	2.000		94	70-130			
Trichloroethene	1.85	0.200	mg/kg wet	2.000		92	70-130			
Trichlorofluoromethane	1.80	0.200	mg/kg wet	2.000		90	70-130			
Vinyl Acetate	2.13	0.200	mg/kg wet	2.000		106	70-130			
Vinyl Chloride	1.82	0.200	mg/kg wet	2.000		91	70-130			
Xylene O	1.90	0.200	mg/kg wet	2.000		95	70-130			
Xylene P,M	4.10	0.400	mg/kg wet	4.000		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	*5.01*		mg/kg wet	*5.000*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.24*		mg/kg wet	*5.000*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*4.86*		mg/kg wet	*5.000*		*97*	*70-130*			
Surrogate: Toluene-d8	*5.41*		mg/kg wet	*5.000*		*108*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	1.96	0.200	mg/kg wet	2.000		98	70-130	3	25	
1,1,1-Trichloroethane	1.86	0.200	mg/kg wet	2.000		93	70-130	2	25	
1,1,2,2-Tetrachloroethane	2.04	0.200	mg/kg wet	2.000		102	70-130	1	25	
1,1,2-Trichloroethane	1.93	0.200	mg/kg wet	2.000		97	70-130	9	25	
1,1-Dichloroethane	2.13	0.200	mg/kg wet	2.000		107	70-130	8	25	
1,1-Dichloroethene	2.24	0.200	mg/kg wet	2.000		112	70-130	7	25	
1,1-Dichloropropene	1.99	0.200	mg/kg wet	2.000		100	70-130	0.2	25	
1,2,3-Trichlorobenzene	1.99	0.200	mg/kg wet	2.000		100	70-130	0.4	25	
1,2,3-Trichloropropane	1.93	0.200	mg/kg wet	2.000		96	70-130	4	25	
1,2,4-Trichlorobenzene	2.04	0.200	mg/kg wet	2.000		102	70-130	2	25	
1,2,4-Trimethylbenzene	2.03	0.200	mg/kg wet	2.000		102	70-130	4	25	
1,2-Dibromo-3-Chloropropane	1.77	1.00	mg/kg wet	2.000		89	70-130	2	25	
1,2-Dibromoethane	2.07	0.200	mg/kg wet	2.000		104	70-130	6	25	
1,2-Dichlorobenzene	1.90	0.200	mg/kg wet	2.000		95	70-130	0.8	25	
1,2-Dichloroethane	1.89	0.200	mg/kg wet	2.000		95	70-130	3	25	
1,2-Dichloropropane	2.23	0.200	mg/kg wet	2.000		112	70-130	6	25	
1,3,5-Trimethylbenzene	2.07	0.200	mg/kg wet	2.000		104	70-130	3	25	
1,3-Dichlorobenzene	1.90	0.200	mg/kg wet	2.000		95	70-130	0.9	25	
1,3-Dichloropropane	2.35	0.200	mg/kg wet	2.000		118	70-130	5	25	
1,4-Dichlorobenzene	1.88	0.200	mg/kg wet	2.000		94	70-130	7	25	
1,4-Dioxane - Screen	44.6	40.0	mg/kg wet	40.00		112	44-241	13	200	
1-Chlorohexane	1.88	0.200	mg/kg wet	2.000		94	70-130	0.3	25	
2,2-Dichloropropane	2.08	0.200	mg/kg wet	2.000		104	70-130	2	25	
2-Butanone	10.0	1.00	mg/kg wet	10.00		100	70-130	11	25	
2-Chlorotoluene	2.06	0.200	mg/kg wet	2.000		103	70-130	2	25	
2-Hexanone	11.0	1.00	mg/kg wet	10.00		110	70-130	7	25	
4-Chlorotoluene	2.05	0.200	mg/kg wet	2.000		102	70-130	0.5	25	
4-Isopropyltoluene	1.92	0.200	mg/kg wet	2.000		96	70-130	3	25	
4-Methyl-2-Pentanone	9.70	1.00	mg/kg wet	10.00		97	70-130	11	25	
Acetone	9.79	1.00	mg/kg wet	10.00		98	70-130	3	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DD11943 - 5035										
Benzene	2.22	0.200	mg/kg wet	2.000		111	70-130	6	25	
Bromobenzene	1.89	0.200	mg/kg wet	2.000		94	70-130	1	25	
Bromochloromethane	1.70	0.200	mg/kg wet	2.000		85	70-130	8	25	
Bromodichloromethane	2.06	0.200	mg/kg wet	2.000		103	70-130	9	25	
Bromoform	1.86	0.200	mg/kg wet	2.000		93	70-130	6	25	
Bromomethane	1.75	0.200	mg/kg wet	2.000		88	70-130	4	25	
Carbon Disulfide	2.21	0.200	mg/kg wet	2.000		110	70-130	5	25	
Carbon Tetrachloride	1.77	0.200	mg/kg wet	2.000		89	70-130	4	25	
Chlorobenzene	2.01	0.200	mg/kg wet	2.000		101	70-130	5	25	
Chloroethane	2.29	0.200	mg/kg wet	2.000		115	70-130	8	25	
Chloroform	1.96	0.200	mg/kg wet	2.000		98	70-130	2	25	
Chloromethane	1.97	0.200	mg/kg wet	2.000		98	70-130	2	25	
cis-1,2-Dichloroethene	2.14	0.200	mg/kg wet	2.000		107	70-130	0.7	25	
cis-1,3-Dichloropropene	2.13	0.200	mg/kg wet	2.000		106	70-130	4	25	
Dibromochloromethane	1.96	0.200	mg/kg wet	2.000		98	70-130	6	25	
Dibromomethane	1.89	0.200	mg/kg wet	2.000		95	70-130	4	25	
Dichlorodifluoromethane	1.60	0.200	mg/kg wet	2.000		80	70-130	3	25	
Diethyl Ether	1.90	0.200	mg/kg wet	2.000		95	70-130	6	25	
Di-isopropyl ether	2.26	0.200	mg/kg wet	2.000		113	70-130	6	25	
Ethyl tertiary-butyl ether	1.98	0.200	mg/kg wet	2.000		99	70-130	4	25	
Ethylbenzene	2.24	0.200	mg/kg wet	2.000		112	70-130	8	25	
Hexachlorobutadiene	2.14	0.200	mg/kg wet	2.000		107	70-130	0.2	25	
Isopropylbenzene	1.96	0.200	mg/kg wet	2.000		98	70-130	0.1	25	
Methyl tert-Butyl Ether	2.18	0.200	mg/kg wet	2.000		109	70-130	4	25	
Methylene Chloride	2.03	0.400	mg/kg wet	2.000		101	70-130	0.1	25	
Naphthalene	1.88	0.200	mg/kg wet	2.000		94	70-130	2	25	
n-Butylbenzene	2.27	0.200	mg/kg wet	2.000		113	70-130	6	25	
n-Propylbenzene	2.12	0.200	mg/kg wet	2.000		106	70-130	3	25	
sec-Butylbenzene	1.94	0.200	mg/kg wet	2.000		97	70-130	6	25	
Styrene	2.13	0.200	mg/kg wet	2.000		106	70-130	8	25	
tert-Butylbenzene	1.97	0.200	mg/kg wet	2.000		98	70-130	0.3	25	
Tertiary-amyl methyl ether	2.07	0.200	mg/kg wet	2.000		103	70-130	5	25	
Tetrachloroethene	1.48	0.200	mg/kg wet	2.000		74	70-130	4	25	
Tetrahydrofuran	1.50	1.00	mg/kg wet	2.000		75	70-130	19	25	
Toluene	2.05	0.200	mg/kg wet	2.000		102	70-130	5	25	
trans-1,2-Dichloroethene	1.97	0.200	mg/kg wet	2.000		99	70-130	2	25	
trans-1,3-Dichloropropene	1.91	0.200	mg/kg wet	2.000		96	70-130	2	25	
Trichloroethene	1.85	0.200	mg/kg wet	2.000		93	70-130	0.2	25	
Trichlorofluoromethane	1.81	0.200	mg/kg wet	2.000		90	70-130	0.3	25	
Vinyl Acetate	2.26	0.200	mg/kg wet	2.000		113	70-130	6	25	
Vinyl Chloride	1.98	0.200	mg/kg wet	2.000		99	70-130	8	25	
Xylene O	1.99	0.200	mg/kg wet	2.000		100	70-130	5	25	
Xylene P,M	4.34	0.400	mg/kg wet	4.000		109	70-130	6	25	
Surrogate: 1,2-Dichloroethane-d4	*4.99*		mg/kg wet	*5.000*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.24*		mg/kg wet	*5.000*		*105*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DD11943 - 5035										
Surrogate: Dibromofluoromethane	*4.99*		mg/kg wet	*5.000*		*100*	*70-130*			
Surrogate: Toluene-d8	*5.45*		mg/kg wet	*5.000*		*109*	*70-130*			
Batch DD12114 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,1-Trichloroethane	ND	0.200	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,2-Trichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethene	ND	0.200	mg/kg wet							
1,1-Dichloropropene	ND	0.200	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,3-Trichloropropane	ND	0.200	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.200	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	1.00	mg/kg wet							
1,2-Dibromoethane	ND	0.200	mg/kg wet							
1,2-Dichlorobenzene	ND	0.200	mg/kg wet							
1,2-Dichloroethane	ND	0.200	mg/kg wet							
1,2-Dichloropropane	ND	0.200	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.200	mg/kg wet							
1,3-Dichlorobenzene	ND	0.200	mg/kg wet							
1,3-Dichloropropane	ND	0.200	mg/kg wet							
1,4-Dichlorobenzene	ND	0.200	mg/kg wet							
1,4-Dioxane - Screen	ND	40.0	mg/kg wet							
1-Chlorohexane	ND	0.200	mg/kg wet							
2,2-Dichloropropane	ND	0.200	mg/kg wet							
2-Butanone	ND	1.00	mg/kg wet							
2-Chlorotoluene	ND	0.200	mg/kg wet							
2-Hexanone	ND	1.00	mg/kg wet							
4-Chlorotoluene	ND	0.200	mg/kg wet							
4-Isopropyltoluene	ND	0.200	mg/kg wet							
4-Methyl-2-Pentanone	ND	1.00	mg/kg wet							
Acetone	ND	1.00	mg/kg wet							
Benzene	ND	0.200	mg/kg wet							
Bromobenzene	ND	0.200	mg/kg wet							
Bromochloromethane	ND	0.200	mg/kg wet							
Bromodichloromethane	ND	0.200	mg/kg wet							
Bromoform	ND	0.200	mg/kg wet							
Bromomethane	ND	0.200	mg/kg wet							
Carbon Disulfide	ND	0.200	mg/kg wet							
Carbon Tetrachloride	ND	0.200	mg/kg wet							
Chlorobenzene	ND	0.200	mg/kg wet							
Chloroethane	ND	0.200	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DD12114 - 5035										
Chloroform	ND	0.200	mg/kg wet							
Chloromethane	ND	0.200	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.200	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Dibromochloromethane	ND	0.200	mg/kg wet							
Dibromomethane	ND	0.200	mg/kg wet							
Dichlorodifluoromethane	ND	0.200	mg/kg wet							
Diethyl Ether	ND	0.200	mg/kg wet							
Di-isopropyl ether	ND	0.200	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.200	mg/kg wet							
Ethylbenzene	ND	0.200	mg/kg wet							
Hexachlorobutadiene	ND	0.200	mg/kg wet							
Isopropylbenzene	ND	0.200	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.200	mg/kg wet							
Methylene Chloride	0.0500	0.400	mg/kg wet							J
Naphthalene	ND	0.200	mg/kg wet							
n-Butylbenzene	ND	0.200	mg/kg wet							
n-Propylbenzene	ND	0.200	mg/kg wet							
sec-Butylbenzene	ND	0.200	mg/kg wet							
Styrene	ND	0.200	mg/kg wet							
tert-Butylbenzene	ND	0.200	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.200	mg/kg wet							
Tetrachloroethene	ND	0.200	mg/kg wet							
Tetrahydrofuran	ND	1.00	mg/kg wet							
Toluene	ND	0.200	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.200	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Trichloroethene	ND	0.200	mg/kg wet							
Trichlorofluoromethane	ND	0.200	mg/kg wet							
Vinyl Acetate	ND	0.200	mg/kg wet							
Vinyl Chloride	ND	0.200	mg/kg wet							
Xylene O	ND	0.200	mg/kg wet							
Xylene P,M	ND	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*5.15*		mg/kg wet	*5.000*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.91*		mg/kg wet	*5.000*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*5.15*		mg/kg wet	*5.000*		*103*	*70-130*			
Surrogate: Toluene-d8	*4.74*		mg/kg wet	*5.000*		*95*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	1.87	0.200	mg/kg wet	2.000		93	70-130			
1,1,1-Trichloroethane	1.96	0.200	mg/kg wet	2.000		98	70-130			
1,1,2,2-Tetrachloroethane	1.67	0.200	mg/kg wet	2.000		83	70-130			
1,1,2-Trichloroethane	1.65	0.200	mg/kg wet	2.000		82	70-130			
1,1-Dichloroethane	1.88	0.200	mg/kg wet	2.000		94	70-130			
1,1-Dichloroethene	2.15	0.200	mg/kg wet	2.000		108	70-130			
1,1-Dichloropropene	1.94	0.200	mg/kg wet	2.000		97	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DD12114 - 5035										
1,2,3-Trichlorobenzene	1.86	0.200	mg/kg wet	2.000		93	70-130			
1,2,3-Trichloropropane	1.87	0.200	mg/kg wet	2.000		94	70-130			
1,2,4-Trichlorobenzene	1.96	0.200	mg/kg wet	2.000		98	70-130			
1,2,4-Trimethylbenzene	1.96	0.200	mg/kg wet	2.000		98	70-130			
1,2-Dibromo-3-Chloropropane	1.63	1.00	mg/kg wet	2.000		82	70-130			
1,2-Dibromoethane	1.97	0.200	mg/kg wet	2.000		99	70-130			
1,2-Dichlorobenzene	2.00	0.200	mg/kg wet	2.000		100	70-130			
1,2-Dichloroethane	1.96	0.200	mg/kg wet	2.000		98	70-130			
1,2-Dichloropropane	1.85	0.200	mg/kg wet	2.000		92	70-130			
1,3,5-Trimethylbenzene	1.97	0.200	mg/kg wet	2.000		98	70-130			
1,3-Dichlorobenzene	1.90	0.200	mg/kg wet	2.000		95	70-130			
1,3-Dichloropropane	1.96	0.200	mg/kg wet	2.000		98	70-130			
1,4-Dichlorobenzene	1.90	0.200	mg/kg wet	2.000		95	70-130			
1,4-Dioxane - Screen	58.0	40.0	mg/kg wet	40.00		145	44-241			
1-Chlorohexane	1.72	0.200	mg/kg wet	2.000		86	70-130			
2,2-Dichloropropane	2.13	0.200	mg/kg wet	2.000		106	70-130			
2-Butanone	9.05	1.00	mg/kg wet	10.00		90	70-130			
2-Chlorotoluene	1.91	0.200	mg/kg wet	2.000		96	70-130			
2-Hexanone	9.53	1.00	mg/kg wet	10.00		95	70-130			
4-Chlorotoluene	1.95	0.200	mg/kg wet	2.000		98	70-130			
4-Isopropyltoluene	1.96	0.200	mg/kg wet	2.000		98	70-130			
4-Methyl-2-Pentanone	7.77	1.00	mg/kg wet	10.00		78	70-130			
Acetone	10.3	1.00	mg/kg wet	10.00		103	70-130			
Benzene	1.85	0.200	mg/kg wet	2.000		93	70-130			
Bromobenzene	1.80	0.200	mg/kg wet	2.000		90	70-130			
Bromochloromethane	1.88	0.200	mg/kg wet	2.000		94	70-130			
Bromodichloromethane	1.91	0.200	mg/kg wet	2.000		96	70-130			
Bromoform	1.53	0.200	mg/kg wet	2.000		77	70-130			
Bromomethane	1.84	0.200	mg/kg wet	2.000		92	70-130			
Carbon Disulfide	1.76	0.200	mg/kg wet	2.000		88	70-130			
Carbon Tetrachloride	1.81	0.200	mg/kg wet	2.000		90	70-130			
Chlorobenzene	1.94	0.200	mg/kg wet	2.000		97	70-130			
Chloroethane	1.69	0.200	mg/kg wet	2.000		85	70-130			
Chloroform	1.99	0.200	mg/kg wet	2.000		99	70-130			
Chloromethane	1.65	0.200	mg/kg wet	2.000		82	70-130			
cis-1,2-Dichloroethene	2.06	0.200	mg/kg wet	2.000		103	70-130			
cis-1,3-Dichloropropene	1.88	0.200	mg/kg wet	2.000		94	70-130			
Dibromochloromethane	1.84	0.200	mg/kg wet	2.000		92	70-130			
Dibromomethane	1.91	0.200	mg/kg wet	2.000		96	70-130			
Dichlorodifluoromethane	1.60	0.200	mg/kg wet	2.000		80	70-130			
Diethyl Ether	1.58	0.200	mg/kg wet	2.000		79	70-130			
Di-isopropyl ether	1.81	0.200	mg/kg wet	2.000		90	70-130			
Ethyl tertiary-butyl ether	1.70	0.200	mg/kg wet	2.000		85	70-130			
Ethylbenzene	1.99	0.200	mg/kg wet	2.000		99	70-130			
Hexachlorobutadiene	2.10	0.200	mg/kg wet	2.000		105	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DD12114 - 5035										
Isopropylbenzene	1.96	0.200	mg/kg wet	2.000		98	70-130			
Methyl tert-Butyl Ether	1.91	0.200	mg/kg wet	2.000		95	70-130			
Methylene Chloride	1.85	0.400	mg/kg wet	2.000		92	70-130			
Naphthalene	1.84	0.200	mg/kg wet	2.000		92	70-130			
n-Butylbenzene	2.03	0.200	mg/kg wet	2.000		101	70-130			
n-Propylbenzene	1.96	0.200	mg/kg wet	2.000		98	70-130			
sec-Butylbenzene	1.82	0.200	mg/kg wet	2.000		91	70-130			
Styrene	1.94	0.200	mg/kg wet	2.000		97	70-130			
tert-Butylbenzene	1.97	0.200	mg/kg wet	2.000		98	70-130			
Tertiary-amyl methyl ether	1.73	0.200	mg/kg wet	2.000		86	70-130			
Tetrachloroethene	1.73	0.200	mg/kg wet	2.000		86	70-130			
Tetrahydrofuran	1.89	1.00	mg/kg wet	2.000		94	70-130			
Toluene	1.95	0.200	mg/kg wet	2.000		98	70-130			
trans-1,2-Dichloroethene	2.00	0.200	mg/kg wet	2.000		100	70-130			
trans-1,3-Dichloropropene	1.85	0.200	mg/kg wet	2.000		92	70-130			
Trichloroethene	1.80	0.200	mg/kg wet	2.000		90	70-130			
Trichlorofluoromethane	2.00	0.200	mg/kg wet	2.000		100	70-130			
Vinyl Acetate	1.99	0.200	mg/kg wet	2.000		100	70-130			
Vinyl Chloride	1.64	0.200	mg/kg wet	2.000		82	70-130			
Xylene O	1.93	0.200	mg/kg wet	2.000		96	70-130			
Xylene P,M	4.02	0.400	mg/kg wet	4.000		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	*5.10*		mg/kg wet	*5.000*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.94*		mg/kg wet	*5.000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*5.06*		mg/kg wet	*5.000*		*101*	*70-130*			
Surrogate: Toluene-d8	*5.05*		mg/kg wet	*5.000*		*101*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	1.85	0.200	mg/kg wet	2.000		93	70-130	0.8	25	
1,1,1-Trichloroethane	1.94	0.200	mg/kg wet	2.000		97	70-130	0.9	25	
1,1,2,2-Tetrachloroethane	1.91	0.200	mg/kg wet	2.000		96	70-130	14	25	
1,1,2-Trichloroethane	1.74	0.200	mg/kg wet	2.000		87	70-130	5	25	
1,1-Dichloroethane	1.79	0.200	mg/kg wet	2.000		89	70-130	5	25	
1,1-Dichloroethene	2.11	0.200	mg/kg wet	2.000		106	70-130	2	25	
1,1-Dichloropropene	1.87	0.200	mg/kg wet	2.000		94	70-130	3	25	
1,2,3-Trichlorobenzene	1.94	0.200	mg/kg wet	2.000		97	70-130	4	25	
1,2,3-Trichloropropane	2.49	0.200	mg/kg wet	2.000		125	70-130	29	25	D+
1,2,4-Trichlorobenzene	2.03	0.200	mg/kg wet	2.000		101	70-130	3	25	
1,2,4-Trimethylbenzene	2.04	0.200	mg/kg wet	2.000		102	70-130	4	25	
1,2-Dibromo-3-Chloropropane	1.76	1.00	mg/kg wet	2.000		88	70-130	8	25	
1,2-Dibromoethane	1.96	0.200	mg/kg wet	2.000		98	70-130	0.5	25	
1,2-Dichlorobenzene	1.99	0.200	mg/kg wet	2.000		100	70-130	0.7	25	
1,2-Dichloroethane	1.90	0.200	mg/kg wet	2.000		95	70-130	3	25	
1,2-Dichloropropane	1.68	0.200	mg/kg wet	2.000		84	70-130	9	25	
1,3,5-Trimethylbenzene	2.02	0.200	mg/kg wet	2.000		101	70-130	3	25	
1,3-Dichlorobenzene	1.94	0.200	mg/kg wet	2.000		97	70-130	2	25	
1,3-Dichloropropane	2.00	0.200	mg/kg wet	2.000		100	70-130	2	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DD12114 - 5035										
1,4-Dichlorobenzene	1.92	0.200	mg/kg wet	2.000		96	70-130	1	25	
1,4-Dioxane - Screen	46.7	40.0	mg/kg wet	40.00		117	44-241	21	200	
1-Chlorohexane	1.68	0.200	mg/kg wet	2.000		84	70-130	2	25	
2,2-Dichloropropane	2.08	0.200	mg/kg wet	2.000		104	70-130	2	25	
2-Butanone	8.87	1.00	mg/kg wet	10.00		89	70-130	2	25	
2-Chlorotoluene	1.99	0.200	mg/kg wet	2.000		100	70-130	4	25	
2-Hexanone	9.81	1.00	mg/kg wet	10.00		98	70-130	3	25	
4-Chlorotoluene	2.00	0.200	mg/kg wet	2.000		100	70-130	3	25	
4-Isopropyltoluene	2.04	0.200	mg/kg wet	2.000		102	70-130	4	25	
4-Methyl-2-Pentanone	8.42	1.00	mg/kg wet	10.00		84	70-130	8	25	
Acetone	11.1	1.00	mg/kg wet	10.00		111	70-130	7	25	
Benzene	1.84	0.200	mg/kg wet	2.000		92	70-130	1	25	
Bromobenzene	1.96	0.200	mg/kg wet	2.000		98	70-130	9	25	
Bromochloromethane	1.94	0.200	mg/kg wet	2.000		97	70-130	3	25	
Bromodichloromethane	1.92	0.200	mg/kg wet	2.000		96	70-130	0.7	25	
Bromoform	1.62	0.200	mg/kg wet	2.000		81	70-130	6	25	
Bromomethane	1.81	0.200	mg/kg wet	2.000		90	70-130	2	25	
Carbon Disulfide	1.75	0.200	mg/kg wet	2.000		88	70-130	0.3	25	
Carbon Tetrachloride	1.90	0.200	mg/kg wet	2.000		95	70-130	5	25	
Chlorobenzene	1.91	0.200	mg/kg wet	2.000		95	70-130	2	25	
Chloroethane	1.80	0.200	mg/kg wet	2.000		90	70-130	6	25	
Chloroform	2.01	0.200	mg/kg wet	2.000		100	70-130	1	25	
Chloromethane	1.56	0.200	mg/kg wet	2.000		78	70-130	5	25	
cis-1,2-Dichloroethene	2.18	0.200	mg/kg wet	2.000		109	70-130	6	25	
cis-1,3-Dichloropropene	1.90	0.200	mg/kg wet	2.000		95	70-130	1	25	
Dibromochloromethane	1.81	0.200	mg/kg wet	2.000		90	70-130	2	25	
Dibromomethane	1.81	0.200	mg/kg wet	2.000		91	70-130	5	25	
Dichlorodifluoromethane	1.61	0.200	mg/kg wet	2.000		80	70-130	0.6	25	
Diethyl Ether	1.72	0.200	mg/kg wet	2.000		86	70-130	9	25	
Di-isopropyl ether	1.80	0.200	mg/kg wet	2.000		90	70-130	0.4	25	
Ethyl tertiary-butyl ether	1.71	0.200	mg/kg wet	2.000		86	70-130	0.7	25	
Ethylbenzene	1.99	0.200	mg/kg wet	2.000		99	70-130	0.1	25	
Hexachlorobutadiene	2.22	0.200	mg/kg wet	2.000		111	70-130	5	25	
Isopropylbenzene	2.01	0.200	mg/kg wet	2.000		100	70-130	3	25	
Methyl tert-Butyl Ether	1.93	0.200	mg/kg wet	2.000		96	70-130	1	25	
Methylene Chloride	1.96	0.400	mg/kg wet	2.000		98	70-130	6	25	
Naphthalene	1.90	0.200	mg/kg wet	2.000		95	70-130	3	25	
n-Butylbenzene	2.15	0.200	mg/kg wet	2.000		108	70-130	6	25	
n-Propylbenzene	2.02	0.200	mg/kg wet	2.000		101	70-130	3	25	
sec-Butylbenzene	1.99	0.200	mg/kg wet	2.000		100	70-130	9	25	
Styrene	1.94	0.200	mg/kg wet	2.000		97	70-130	0.1	25	
tert-Butylbenzene	2.06	0.200	mg/kg wet	2.000		103	70-130	5	25	
Tertiary-amyl methyl ether	1.85	0.200	mg/kg wet	2.000		93	70-130	7	25	
Tetrachloroethene	1.79	0.200	mg/kg wet	2.000		89	70-130	3	25	
Tetrahydrofuran	2.36	1.00	mg/kg wet	2.000		118	70-130	22	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DD12114 - 5035										
Toluene	2.00	0.200	mg/kg wet	2.000		100	70-130	2	25	
trans-1,2-Dichloroethene	1.99	0.200	mg/kg wet	2.000		100	70-130	0.2	25	
trans-1,3-Dichloropropene	1.80	0.200	mg/kg wet	2.000		90	70-130	3	25	
Trichloroethene	1.87	0.200	mg/kg wet	2.000		93	70-130	4	25	
Trichlorofluoromethane	2.00	0.200	mg/kg wet	2.000		100	70-130	0	25	
Vinyl Acetate	2.07	0.200	mg/kg wet	2.000		103	70-130	4	25	
Vinyl Chloride	1.72	0.200	mg/kg wet	2.000		86	70-130	5	25	
Xylene O	1.92	0.200	mg/kg wet	2.000		96	70-130	0.3	25	
Xylene P,M	4.02	0.400	mg/kg wet	4.000		100	70-130	0	25	
Surrogate: 1,2-Dichloroethane-d4	*5.06*		mg/kg wet	*5.000*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.94*		mg/kg wet	*5.000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*5.09*		mg/kg wet	*5.000*		*102*	*70-130*			
Surrogate: Toluene-d8	*4.86*		mg/kg wet	*5.000*		*97*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch DD11653 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*5.15*		mg/kg wet	*5.000*		*103*	*40-140*			
LCS										
Decane (C10)	2.1	0.2	mg/kg wet	2.500		82	40-140			
Docosane (C22)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Dodecane (C12)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		90	40-140			
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		94	40-140			
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		74	30-140			
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Octadecane (C18)	2.3	0.2	mg/kg wet	2.500		90	40-140			
Tetracosane (C24)	2.3	0.2	mg/kg wet	2.500		91	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DD11653 - 3546										
Tetradecane (C14)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Total Petroleum Hydrocarbons	28.2	37.5	mg/kg wet	35.00		81	40-140			
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Surrogate: O-Terphenyl	*4.90*		mg/kg wet	*5.000*		*98*	*40-140*			
LCS Dup										
Decane (C10)	2.1	0.2	mg/kg wet	2.500		84	40-140	2	25	
Docosane (C22)	2.4	0.2	mg/kg wet	2.500		94	40-140	3	25	
Dodecane (C12)	2.3	0.2	mg/kg wet	2.500		92	40-140	3	25	
Eicosane (C20)	2.4	0.2	mg/kg wet	2.500		95	40-140	4	25	
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		94	40-140	3	25	
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		93	40-140	3	25	
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		97	40-140	3	25	
Nonane (C9)	1.9	0.2	mg/kg wet	2.500		76	30-140	2	25	
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		94	40-140	3	25	
Octadecane (C18)	2.3	0.2	mg/kg wet	2.500		93	40-140	3	25	
Tetracosane (C24)	2.4	0.2	mg/kg wet	2.500		94	40-140	3	25	
Tetradecane (C14)	2.3	0.2	mg/kg wet	2.500		92	40-140	3	25	
Total Petroleum Hydrocarbons	28.8	37.5	mg/kg wet	35.00		82	40-140	2	25	
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		92	40-140	3	25	
Surrogate: O-Terphenyl	*4.98*		mg/kg wet	*5.000*		*100*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DD11609 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD11609 - 3546										
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD11609 - 3546										
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.08*		mg/kg wet	*3.333*		*62*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.01*		mg/kg wet	*5.000*		*60*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.30*		mg/kg wet	*5.000*		*66*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.16*		mg/kg wet	*3.333*		*65*	*30-130*			
Surrogate: 2-Fluorophenol	*3.53*		mg/kg wet	*5.000*		*71*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.12*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: Phenol-d6	*3.39*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.11*		mg/kg wet	*3.333*		*93*	*30-130*			
LCS										
1,1-Biphenyl	2.08	0.333	mg/kg wet	3.333		62	40-140			
1,2,4-Trichlorobenzene	2.04	0.333	mg/kg wet	3.333		61	40-140			
1,2-Dichlorobenzene	1.97	0.333	mg/kg wet	3.333		59	40-140			
1,3-Dichlorobenzene	1.99	0.333	mg/kg wet	3.333		60	40-140			
1,4-Dichlorobenzene	1.99	0.333	mg/kg wet	3.333		60	40-140			
2,3,4,6-Tetrachlorophenol	2.32	1.67	mg/kg wet	3.333		70	30-130			
2,4,5-Trichlorophenol	2.34	0.333	mg/kg wet	3.333		70	30-130			
2,4,6-Trichlorophenol	2.27	0.333	mg/kg wet	3.333		68	30-130			
2,4-Dichlorophenol	2.40	0.333	mg/kg wet	3.333		72	30-130			
2,4-Dimethylphenol	2.19	0.333	mg/kg wet	3.333		66	30-130			
2,4-Dinitrophenol	2.22	1.67	mg/kg wet	3.333		66	30-130			
2,4-Dinitrotoluene	2.66	0.333	mg/kg wet	3.333		80	40-140			
2,6-Dinitrotoluene	2.49	0.333	mg/kg wet	3.333		75	40-140			
2-Chloronaphthalene	1.97	0.333	mg/kg wet	3.333		59	40-140			
2-Chlorophenol	2.22	0.333	mg/kg wet	3.333		67	30-130			
2-Methylnaphthalene	2.16	0.333	mg/kg wet	3.333		65	40-140			
2-Methylphenol	2.31	0.333	mg/kg wet	3.333		69	30-130			
2-Nitroaniline	1.75	0.333	mg/kg wet	3.333		53	40-140			
2-Nitrophenol	2.16	0.333	mg/kg wet	3.333		65	30-130			
3,3´-Dichlorobenzidine	2.51	0.667	mg/kg wet	3.333		75	40-140			
3+4-Methylphenol	4.98	0.667	mg/kg wet	6.667		75	30-130			
3-Nitroaniline	2.29	0.333	mg/kg wet	3.333		69	40-140			
4,6-Dinitro-2-Methylphenol	2.97	1.67	mg/kg wet	3.333		89	30-130			
4-Bromophenyl-phenylether	2.48	0.333	mg/kg wet	3.333		74	40-140			
4-Chloro-3-Methylphenol	2.42	0.333	mg/kg wet	3.333		73	30-130			
4-Chloroaniline	1.56	0.667	mg/kg wet	3.333		47	40-140			
4-Chloro-phenyl-phenyl ether	2.29	0.333	mg/kg wet	3.333		69	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD11609 - 3546										
4-Nitroaniline	2.63	0.333	mg/kg wet	3.333		79	40-140			
4-Nitrophenol	2.13	1.67	mg/kg wet	3.333		64	30-130			
Acenaphthene	2.01	0.333	mg/kg wet	3.333		60	40-140			
Acenaphthylene	2.05	0.333	mg/kg wet	3.333		61	40-140			
Acetophenone	2.13	0.667	mg/kg wet	3.333		64	40-140			
Aniline	1.68	0.667	mg/kg wet	3.333		50	40-140			
Anthracene	2.69	0.333	mg/kg wet	3.333		81	40-140			
Azobenzene	2.27	0.333	mg/kg wet	3.333		68	40-140			
Benzo(a)anthracene	3.07	0.333	mg/kg wet	3.333		92	40-140			
Benzo(a)pyrene	2.75	0.167	mg/kg wet	3.333		83	40-140			
Benzo(b)fluoranthene	2.69	0.333	mg/kg wet	3.333		81	40-140			
Benzo(g,h,i)perylene	3.02	0.333	mg/kg wet	3.333		91	40-140			
Benzo(k)fluoranthene	2.75	0.333	mg/kg wet	3.333		83	40-140			
Benzoic Acid	1.96	1.67	mg/kg wet	3.333		59	40-140			
Benzyl Alcohol	1.90	0.333	mg/kg wet	3.333		57	40-140			
bis(2-Chloroethoxy)methane	2.18	0.333	mg/kg wet	3.333		65	40-140			
bis(2-Chloroethyl)ether	2.04	0.333	mg/kg wet	3.333		61	40-140			
bis(2-chloroisopropyl)Ether	2.04	0.333	mg/kg wet	3.333		61	40-140			
bis(2-Ethylhexyl)phthalate	2.52	0.333	mg/kg wet	3.333		76	40-140			
Butylbenzylphthalate	2.47	0.333	mg/kg wet	3.333		74	40-140			
Carbazole	2.89	0.333	mg/kg wet	3.333		87	40-140			
Chrysene	2.82	0.167	mg/kg wet	3.333		84	40-140			
Dibenzo(a,h)Anthracene	3.04	0.167	mg/kg wet	3.333		91	40-140			
Dibenzofuran	2.20	0.333	mg/kg wet	3.333		66	40-140			
Diethylphthalate	2.51	0.333	mg/kg wet	3.333		75	40-140			
Dimethylphthalate	2.37	0.333	mg/kg wet	3.333		71	40-140			
Di-n-butylphthalate	2.66	0.333	mg/kg wet	3.333		80	40-140			
Di-n-octylphthalate	2.42	0.333	mg/kg wet	3.333		72	40-140			
Fluoranthene	3.02	0.333	mg/kg wet	3.333		91	40-140			
Fluorene	2.37	0.333	mg/kg wet	3.333		71	40-140			
Hexachlorobenzene	2.61	0.167	mg/kg wet	3.333		78	40-140			
Hexachlorobutadiene	1.97	0.333	mg/kg wet	3.333		59	40-140			
Hexachlorocyclopentadiene	1.39	1.67	mg/kg wet	3.333		42	40-140			
Hexachloroethane	2.00	0.333	mg/kg wet	3.333		60	40-140			
Indeno(1,2,3-cd)Pyrene	2.88	0.333	mg/kg wet	3.333		86	40-140			
Isophorone	1.92	0.333	mg/kg wet	3.333		58	40-140			
Naphthalene	2.05	0.333	mg/kg wet	3.333		61	40-140			
Nitrobenzene	1.95	0.333	mg/kg wet	3.333		59	40-140			
N-Nitrosodimethylamine	1.64	0.333	mg/kg wet	3.333		49	40-140			
N-Nitroso-Di-n-Propylamine	2.02	0.333	mg/kg wet	3.333		61	40-140			
N-nitrosodiphenylamine	2.65	0.333	mg/kg wet	3.333		80	40-140			
Pentachlorophenol	2.57	1.67	mg/kg wet	3.333		77	30-130			
Phenanthrene	2.54	0.333	mg/kg wet	3.333		76	40-140			
Phenol	2.39	0.333	mg/kg wet	3.333		72	30-130			
Pyrene	2.72	0.333	mg/kg wet	3.333		82	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD11609 - 3546										
Pyridine	2.12	1.67	mg/kg wet	3.333		64	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.19*		mg/kg wet	*3.333*		*66*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.04*		mg/kg wet	*5.000*		*81*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.64*		mg/kg wet	*5.000*		*73*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.37*		mg/kg wet	*3.333*		*71*	*30-130*			
Surrogate: 2-Fluorophenol	*3.81*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.26*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: Phenol-d6	*3.82*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.09*		mg/kg wet	*3.333*		*93*	*30-130*			
LCS Dup										
1,1-Biphenyl	1.84	0.333	mg/kg wet	3.333		55	40-140	12	30	
1,2,4-Trichlorobenzene	1.74	0.333	mg/kg wet	3.333		52	40-140	16	30	
1,2-Dichlorobenzene	1.70	0.333	mg/kg wet	3.333		51	40-140	15	30	
1,3-Dichlorobenzene	1.73	0.333	mg/kg wet	3.333		52	40-140	14	30	
1,4-Dichlorobenzene	1.72	0.333	mg/kg wet	3.333		52	40-140	15	30	
2,3,4,6-Tetrachlorophenol	2.26	1.67	mg/kg wet	3.333		68	30-130	2	30	
2,4,5-Trichlorophenol	2.24	0.333	mg/kg wet	3.333		67	30-130	4	30	
2,4,6-Trichlorophenol	2.08	0.333	mg/kg wet	3.333		62	30-130	9	30	
2,4-Dichlorophenol	2.02	0.333	mg/kg wet	3.333		61	30-130	17	30	
2,4-Dimethylphenol	1.87	0.333	mg/kg wet	3.333		56	30-130	16	30	
2,4-Dinitrophenol	2.23	1.67	mg/kg wet	3.333		67	30-130	0.6	30	
2,4-Dinitrotoluene	2.62	0.333	mg/kg wet	3.333		79	40-140	2	30	
2,6-Dinitrotoluene	2.43	0.333	mg/kg wet	3.333		73	40-140	2	30	
2-Chloronaphthalene	1.74	0.333	mg/kg wet	3.333		52	40-140	12	30	
2-Chlorophenol	1.87	0.333	mg/kg wet	3.333		56	30-130	17	30	
2-Methylnaphthalene	1.84	0.333	mg/kg wet	3.333		55	40-140	16	30	
2-Methylphenol	1.91	0.333	mg/kg wet	3.333		57	30-130	19	30	
2-Nitroaniline	1.66	0.333	mg/kg wet	3.333		50	40-140	5	30	
2-Nitrophenol	1.84	0.333	mg/kg wet	3.333		55	30-130	16	30	
3,3´-Dichlorobenzidine	2.84	0.667	mg/kg wet	3.333		85	40-140	12	30	
3+4-Methylphenol	4.16	0.667	mg/kg wet	6.667		62	30-130	18	30	
3-Nitroaniline	2.31	0.333	mg/kg wet	3.333		69	40-140	0.8	30	
4,6-Dinitro-2-Methylphenol	2.94	1.67	mg/kg wet	3.333		88	30-130	0.8	30	
4-Bromophenyl-phenylether	2.40	0.333	mg/kg wet	3.333		72	40-140	3	30	
4-Chloro-3-Methylphenol	2.18	0.333	mg/kg wet	3.333		65	30-130	11	30	
4-Chloroaniline	1.45	0.667	mg/kg wet	3.333		44	40-140	7	30	
4-Chloro-phenyl-phenyl ether	2.16	0.333	mg/kg wet	3.333		65	40-140	6	30	
4-Nitroaniline	2.62	0.333	mg/kg wet	3.333		79	40-140	0.1	30	
4-Nitrophenol	2.09	1.67	mg/kg wet	3.333		63	30-130	2	30	
Acenaphthene	1.83	0.333	mg/kg wet	3.333		55	40-140	9	30	
Acenaphthylene	1.85	0.333	mg/kg wet	3.333		56	40-140	10	30	
Acetophenone	1.79	0.667	mg/kg wet	3.333		54	40-140	17	30	
Aniline	1.45	0.667	mg/kg wet	3.333		43	40-140	15	30	
Anthracene	2.67	0.333	mg/kg wet	3.333		80	40-140	0.7	30	
Azobenzene	2.21	0.333	mg/kg wet	3.333		66	40-140	3	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD11609 - 3546										
Benzo(a)anthracene	3.10	0.333	mg/kg wet	3.333		93	40-140	1	30	
Benzo(a)pyrene	2.78	0.167	mg/kg wet	3.333		83	40-140	0.9	30	
Benzo(b)fluoranthene	2.77	0.333	mg/kg wet	3.333		83	40-140	3	30	
Benzo(g,h,i)perylene	3.01	0.333	mg/kg wet	3.333		90	40-140	0.3	30	
Benzo(k)fluoranthene	2.75	0.333	mg/kg wet	3.333		83	40-140	0	30	
Benzoic Acid	1.86	1.67	mg/kg wet	3.333		56	40-140	5	30	
Benzyl Alcohol	1.54	0.333	mg/kg wet	3.333		46	40-140	21	30	
bis(2-Chloroethoxy)methane	1.86	0.333	mg/kg wet	3.333		56	40-140	16	30	
bis(2-Chloroethyl)ether	1.77	0.333	mg/kg wet	3.333		53	40-140	14	30	
bis(2-chloroisopropyl)Ether	1.72	0.333	mg/kg wet	3.333		52	40-140	17	30	
bis(2-Ethylhexyl)phthalate	2.52	0.333	mg/kg wet	3.333		76	40-140	0.01	30	
Butylbenzylphthalate	2.51	0.333	mg/kg wet	3.333		75	40-140	1	30	
Carbazole	2.92	0.333	mg/kg wet	3.333		88	40-140	0.9	30	
Chrysene	2.85	0.167	mg/kg wet	3.333		86	40-140	1	30	
Dibenzo(a,h)Anthracene	2.95	0.167	mg/kg wet	3.333		88	40-140	3	30	
Dibenzofuran	2.04	0.333	mg/kg wet	3.333		61	40-140	8	30	
Diethylphthalate	2.48	0.333	mg/kg wet	3.333		74	40-140	1	30	
Dimethylphthalate	2.30	0.333	mg/kg wet	3.333		69	40-140	3	30	
Di-n-butylphthalate	2.65	0.333	mg/kg wet	3.333		80	40-140	0.1	30	
Di-n-octylphthalate	2.46	0.333	mg/kg wet	3.333		74	40-140	2	30	
Fluoranthene	3.00	0.333	mg/kg wet	3.333		90	40-140	0.8	30	
Fluorene	2.25	0.333	mg/kg wet	3.333		67	40-140	5	30	
Hexachlorobenzene	2.56	0.167	mg/kg wet	3.333		77	40-140	2	30	
Hexachlorobutadiene	1.68	0.333	mg/kg wet	3.333		51	40-140	15	30	
Hexachlorocyclopentadiene	1.21	1.67	mg/kg wet	3.333		36	40-140	14	30	B-
Hexachloroethane	1.74	0.333	mg/kg wet	3.333		52	40-140	14	30	
Indeno(1,2,3-cd)Pyrene	2.84	0.333	mg/kg wet	3.333		85	40-140	1	30	
Isophorone	1.62	0.333	mg/kg wet	3.333		49	40-140	17	30	
Naphthalene	1.74	0.333	mg/kg wet	3.333		52	40-140	16	30	
Nitrobenzene	1.67	0.333	mg/kg wet	3.333		50	40-140	16	30	
N-Nitrosodimethylamine	1.42	0.333	mg/kg wet	3.333		43	40-140	14	30	
N-Nitroso-Di-n-Propylamine	1.68	0.333	mg/kg wet	3.333		50	40-140	18	30	
N-nitrosodiphenylamine	2.63	0.333	mg/kg wet	3.333		79	40-140	1	30	
Pentachlorophenol	2.54	1.67	mg/kg wet	3.333		76	30-130	1	30	
Phenanthrene	2.51	0.333	mg/kg wet	3.333		75	40-140	1	30	
Phenol	1.99	0.333	mg/kg wet	3.333		60	30-130	18	30	
Pyrene	2.74	0.333	mg/kg wet	3.333		82	40-140	0.6	30	
Pyridine	1.79	1.67	mg/kg wet	3.333		54	40-140	17	30	
Surrogate: 1,2-Dichlorobenzene-d4	*1.90*		mg/kg wet	*3.333*		*57*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.92*		mg/kg wet	*5.000*		*78*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.06*		mg/kg wet	*5.000*		*61*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.08*		mg/kg wet	*3.333*		*62*	*30-130*			
Surrogate: 2-Fluorophenol	*3.24*		mg/kg wet	*5.000*		*65*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.93*		mg/kg wet	*3.333*		*58*	*30-130*			
Surrogate: Phenol-d6	*3.18*		mg/kg wet	*5.000*		*64*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.12*		mg/kg wet	*3.333*		*94*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD11654 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD11654 - 3546										
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.80*		mg/kg wet	*3.333*		*84*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.72*		mg/kg wet	*5.000*		*94*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.28*		mg/kg wet	*5.000*		*86*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.81*		mg/kg wet	*3.333*		*84*	*30-130*			
Surrogate: 2-Fluorophenol	*4.30*		mg/kg wet	*5.000*		*86*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.84*		mg/kg wet	*3.333*		*85*	*30-130*			
Surrogate: Phenol-d6	*4.40*		mg/kg wet	*5.000*		*88*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.02*		mg/kg wet	*3.333*		*91*	*30-130*			
LCS										
1,1-Biphenyl	2.78	0.333	mg/kg wet	3.333		83	40-140			
1,2,4-Trichlorobenzene	2.67	0.333	mg/kg wet	3.333		80	40-140			
1,2-Dichlorobenzene	2.76	0.333	mg/kg wet	3.333		83	40-140			
1,3-Dichlorobenzene	2.73	0.333	mg/kg wet	3.333		82	40-140			
1,4-Dichlorobenzene	2.76	0.333	mg/kg wet	3.333		83	40-140			
2,3,4,6-Tetrachlorophenol	2.87	1.67	mg/kg wet	3.333		86	30-130			
2,4,5-Trichlorophenol	2.97	0.333	mg/kg wet	3.333		89	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD11654 - 3546										
2,4,6-Trichlorophenol	2.96	0.333	mg/kg wet	3.333		89	30-130			
2,4-Dichlorophenol	3.05	0.333	mg/kg wet	3.333		91	30-130			
2,4-Dimethylphenol	2.88	0.333	mg/kg wet	3.333		86	30-130			
2,4-Dinitrophenol	2.16	1.67	mg/kg wet	3.333		65	30-130			
2,4-Dinitrotoluene	3.16	0.333	mg/kg wet	3.333		95	40-140			
2,6-Dinitrotoluene	2.96	0.333	mg/kg wet	3.333		89	40-140			
2-Chloronaphthalene	2.67	0.333	mg/kg wet	3.333		80	40-140			
2-Chlorophenol	2.95	0.333	mg/kg wet	3.333		89	30-130			
2-Methylnaphthalene	2.77	0.333	mg/kg wet	3.333		83	40-140			
2-Methylphenol	2.98	0.333	mg/kg wet	3.333		89	30-130			
2-Nitroaniline	2.94	0.333	mg/kg wet	3.333		88	40-140			
2-Nitrophenol	2.85	0.333	mg/kg wet	3.333		86	30-130			
3,3´-Dichlorobenzidine	2.68	0.667	mg/kg wet	3.333		80	40-140			
3+4-Methylphenol	6.22	0.667	mg/kg wet	6.667		93	30-130			
3-Nitroaniline	2.68	0.333	mg/kg wet	3.333		81	40-140			
4,6-Dinitro-2-Methylphenol	2.59	1.67	mg/kg wet	3.333		78	30-130			
4-Bromophenyl-phenylether	2.61	0.333	mg/kg wet	3.333		78	40-140			
4-Chloro-3-Methylphenol	3.20	0.333	mg/kg wet	3.333		96	30-130			
4-Chloroaniline	1.79	0.667	mg/kg wet	3.333		54	40-140			
4-Chloro-phenyl-phenyl ether	2.83	0.333	mg/kg wet	3.333		85	40-140			
4-Nitroaniline	2.73	0.333	mg/kg wet	3.333		82	40-140			
4-Nitrophenol	2.96	1.67	mg/kg wet	3.333		89	30-130			
Acenaphthene	2.62	0.333	mg/kg wet	3.333		79	40-140			
Acenaphthylene	2.61	0.333	mg/kg wet	3.333		78	40-140			
Acetophenone	2.84	0.667	mg/kg wet	3.333		85	40-140			
Aniline	2.04	0.667	mg/kg wet	3.333		61	40-140			
Anthracene	2.83	0.333	mg/kg wet	3.333		85	40-140			
Azobenzene	2.84	0.333	mg/kg wet	3.333		85	40-140			
Benzo(a)anthracene	2.94	0.333	mg/kg wet	3.333		88	40-140			
Benzo(a)pyrene	3.19	0.167	mg/kg wet	3.333		96	40-140			
Benzo(b)fluoranthene	3.08	0.333	mg/kg wet	3.333		92	40-140			
Benzo(g,h,i)perylene	2.82	0.333	mg/kg wet	3.333		85	40-140			
Benzo(k)fluoranthene	3.08	0.333	mg/kg wet	3.333		92	40-140			
Benzoic Acid	2.58	1.67	mg/kg wet	3.333		78	40-140			
Benzyl Alcohol	2.13	0.333	mg/kg wet	3.333		64	40-140			
bis(2-Chloroethoxy)methane	2.78	0.333	mg/kg wet	3.333		83	40-140			
bis(2-Chloroethyl)ether	2.56	0.333	mg/kg wet	3.333		77	40-140			
bis(2-chloroisopropyl)Ether	2.90	0.333	mg/kg wet	3.333		87	40-140			
bis(2-Ethylhexyl)phthalate	2.88	0.333	mg/kg wet	3.333		86	40-140			
Butylbenzylphthalate	2.87	0.333	mg/kg wet	3.333		86	40-140			
Carbazole	2.93	0.333	mg/kg wet	3.333		88	40-140			
Chrysene	2.83	0.167	mg/kg wet	3.333		85	40-140			
Dibenzo(a,h)Anthracene	2.91	0.167	mg/kg wet	3.333		87	40-140			
Dibenzofuran	2.81	0.333	mg/kg wet	3.333		84	40-140			
Diethylphthalate	2.90	0.333	mg/kg wet	3.333		87	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD11654 - 3546										
Dimethylphthalate	2.88	0.333	mg/kg wet	3.333		86	40-140			
Di-n-butylphthalate	2.94	0.333	mg/kg wet	3.333		88	40-140			
Di-n-octylphthalate	2.95	0.333	mg/kg wet	3.333		88	40-140			
Fluoranthene	2.94	0.333	mg/kg wet	3.333		88	40-140			
Fluorene	2.90	0.333	mg/kg wet	3.333		87	40-140			
Hexachlorobenzene	2.74	0.167	mg/kg wet	3.333		82	40-140			
Hexachlorobutadiene	2.66	0.333	mg/kg wet	3.333		80	40-140			
Hexachlorocyclopentadiene	1.90	1.67	mg/kg wet	3.333		57	40-140			
Hexachloroethane	4.13	0.333	mg/kg wet	3.333		124	40-140			
Indeno(1,2,3-cd)Pyrene	2.97	0.333	mg/kg wet	3.333		89	40-140			
Isophorone	2.47	0.333	mg/kg wet	3.333		74	40-140			
Naphthalene	2.70	0.333	mg/kg wet	3.333		81	40-140			
Nitrobenzene	2.93	0.333	mg/kg wet	3.333		88	40-140			
N-Nitrosodimethylamine	2.78	0.333	mg/kg wet	3.333		83	40-140			
N-Nitroso-Di-n-Propylamine	2.76	0.333	mg/kg wet	3.333		83	40-140			
N-nitrosodiphenylamine	2.92	0.333	mg/kg wet	3.333		88	40-140			
Pentachlorophenol	2.70	1.67	mg/kg wet	3.333		81	30-130			
Phenanthrene	2.74	0.333	mg/kg wet	3.333		82	40-140			
Phenol	2.43	0.333	mg/kg wet	3.333		73	30-130			
Pyrene	2.80	0.333	mg/kg wet	3.333		84	40-140			
Pyridine	2.02	1.67	mg/kg wet	3.333		61	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*3.12*		mg/kg wet	*3.333*		*94*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.91*		mg/kg wet	*5.000*		*98*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.96*		mg/kg wet	*5.000*		*99*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*3.10*		mg/kg wet	*3.333*		*93*	*30-130*			
Surrogate: 2-Fluorophenol	*4.96*		mg/kg wet	*5.000*		*99*	*30-130*			
Surrogate: Nitrobenzene-d5	*3.20*		mg/kg wet	*3.333*		*96*	*30-130*			
Surrogate: Phenol-d6	*5.16*		mg/kg wet	*5.000*		*103*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.38*		mg/kg wet	*3.333*		*101*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.69	0.333	mg/kg wet	3.333		81	40-140	3	30	
1,2,4-Trichlorobenzene	2.69	0.333	mg/kg wet	3.333		81	40-140	0.7	30	
1,2-Dichlorobenzene	2.64	0.333	mg/kg wet	3.333		79	40-140	4	30	
1,3-Dichlorobenzene	2.59	0.333	mg/kg wet	3.333		78	40-140	5	30	
1,4-Dichlorobenzene	2.60	0.333	mg/kg wet	3.333		78	40-140	6	30	
2,3,4,6-Tetrachlorophenol	2.77	1.67	mg/kg wet	3.333		83	30-130	4	30	
2,4,5-Trichlorophenol	2.96	0.333	mg/kg wet	3.333		89	30-130	0.1	30	
2,4,6-Trichlorophenol	2.88	0.333	mg/kg wet	3.333		87	30-130	3	30	
2,4-Dichlorophenol	3.07	0.333	mg/kg wet	3.333		92	30-130	0.7	30	
2,4-Dimethylphenol	2.82	0.333	mg/kg wet	3.333		85	30-130	2	30	
2,4-Dinitrophenol	2.35	1.67	mg/kg wet	3.333		71	30-130	8	30	
2,4-Dinitrotoluene	3.09	0.333	mg/kg wet	3.333		93	40-140	2	30	
2,6-Dinitrotoluene	2.86	0.333	mg/kg wet	3.333		86	40-140	3	30	
2-Chloronaphthalene	2.64	0.333	mg/kg wet	3.333		79	40-140	1	30	
2-Chlorophenol	2.74	0.333	mg/kg wet	3.333		82	30-130	7	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD11654 - 3546										
2-Methylnaphthalene	2.76	0.333	mg/kg wet	3.333		83	40-140	0.3	30	
2-Methylphenol	2.81	0.333	mg/kg wet	3.333		84	30-130	6	30	
2-Nitroaniline	2.87	0.333	mg/kg wet	3.333		86	40-140	3	30	
2-Nitrophenol	2.81	0.333	mg/kg wet	3.333		84	30-130	1	30	
3,3´-Dichlorobenzidine	2.73	0.667	mg/kg wet	3.333		82	40-140	2	30	
3+4-Methylphenol	5.83	0.667	mg/kg wet	6.667		87	30-130	7	30	
3-Nitroaniline	2.67	0.333	mg/kg wet	3.333		80	40-140	0.4	30	
4,6-Dinitro-2-Methylphenol	2.81	1.67	mg/kg wet	3.333		84	30-130	8	30	
4-Bromophenyl-phenylether	2.60	0.333	mg/kg wet	3.333		78	40-140	0.2	30	
4-Chloro-3-Methylphenol	3.13	0.333	mg/kg wet	3.333		94	30-130	2	30	
4-Chloroaniline	1.98	0.667	mg/kg wet	3.333		59	40-140	10	30	
4-Chloro-phenyl-phenyl ether	2.77	0.333	mg/kg wet	3.333		83	40-140	2	30	
4-Nitroaniline	2.71	0.333	mg/kg wet	3.333		81	40-140	0.8	30	
4-Nitrophenol	2.88	1.67	mg/kg wet	3.333		86	30-130	3	30	
Acenaphthene	2.57	0.333	mg/kg wet	3.333		77	40-140	2	30	
Acenaphthylene	2.55	0.333	mg/kg wet	3.333		77	40-140	2	30	
Acetophenone	2.67	0.667	mg/kg wet	3.333		80	40-140	6	30	
Aniline	2.00	0.667	mg/kg wet	3.333		60	40-140	2	30	
Anthracene	2.81	0.333	mg/kg wet	3.333		84	40-140	0.7	30	
Azobenzene	2.80	0.333	mg/kg wet	3.333		84	40-140	1	30	
Benzo(a)anthracene	2.90	0.333	mg/kg wet	3.333		87	40-140	2	30	
Benzo(a)pyrene	3.16	0.167	mg/kg wet	3.333		95	40-140	0.9	30	
Benzo(b)fluoranthene	3.02	0.333	mg/kg wet	3.333		91	40-140	2	30	
Benzo(g,h,i)perylene	2.80	0.333	mg/kg wet	3.333		84	40-140	0.7	30	
Benzo(k)fluoranthene	2.99	0.333	mg/kg wet	3.333		90	40-140	3	30	
Benzoic Acid	2.84	1.67	mg/kg wet	3.333		85	40-140	9	30	
Benzyl Alcohol	1.93	0.333	mg/kg wet	3.333		58	40-140	10	30	
bis(2-Chloroethoxy)methane	2.78	0.333	mg/kg wet	3.333		83	40-140	0.1	30	
bis(2-Chloroethyl)ether	2.46	0.333	mg/kg wet	3.333		74	40-140	4	30	
bis(2-chloroisopropyl)Ether	2.66	0.333	mg/kg wet	3.333		80	40-140	8	30	
bis(2-Ethylhexyl)phthalate	2.82	0.333	mg/kg wet	3.333		85	40-140	2	30	
Butylbenzylphthalate	2.84	0.333	mg/kg wet	3.333		85	40-140	1	30	
Carbazole	2.89	0.333	mg/kg wet	3.333		87	40-140	1	30	
Chrysene	2.80	0.167	mg/kg wet	3.333		84	40-140	0.8	30	
Dibenzo(a,h)Anthracene	3.56	0.167	mg/kg wet	3.333		107	40-140	20	30	
Dibenzofuran	2.77	0.333	mg/kg wet	3.333		83	40-140	2	30	
Diethylphthalate	2.86	0.333	mg/kg wet	3.333		86	40-140	1	30	
Dimethylphthalate	2.77	0.333	mg/kg wet	3.333		83	40-140	4	30	
Di-n-butylphthalate	2.87	0.333	mg/kg wet	3.333		86	40-140	3	30	
Di-n-octylphthalate	2.89	0.333	mg/kg wet	3.333		87	40-140	2	30	
Fluoranthene	2.93	0.333	mg/kg wet	3.333		88	40-140	0.5	30	
Fluorene	2.90	0.333	mg/kg wet	3.333		87	40-140	0.2	30	
Hexachlorobenzene	2.71	0.167	mg/kg wet	3.333		81	40-140	1	30	
Hexachlorobutadiene	2.63	0.333	mg/kg wet	3.333		79	40-140	1	30	
Hexachlorocyclopentadiene	1.85	1.67	mg/kg wet	3.333		55	40-140	3	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD11654 - 3546										
Hexachloroethane	3.86	0.333	mg/kg wet	3.333		116	40-140	7	30	
Indeno(1,2,3-cd)Pyrene	2.94	0.333	mg/kg wet	3.333		88	40-140	0.9	30	
Isophorone	2.43	0.333	mg/kg wet	3.333		73	40-140	2	30	
Naphthalene	2.70	0.333	mg/kg wet	3.333		81	40-140	0.01	30	
Nitrobenzene	2.92	0.333	mg/kg wet	3.333		87	40-140	0.5	30	
N-Nitrosodimethylamine	2.54	0.333	mg/kg wet	3.333		76	40-140	9	30	
N-Nitroso-Di-n-Propylamine	2.57	0.333	mg/kg wet	3.333		77	40-140	7	30	
N-nitrosodiphenylamine	2.84	0.333	mg/kg wet	3.333		85	40-140	3	30	
Pentachlorophenol	2.73	1.67	mg/kg wet	3.333		82	30-130	1	30	
Phenanthrene	2.71	0.333	mg/kg wet	3.333		81	40-140	1	30	
Phenol	2.55	0.333	mg/kg wet	3.333		77	30-130	5	30	
Pyrene	2.77	0.333	mg/kg wet	3.333		83	40-140	1	30	
Pyridine	1.90	1.67	mg/kg wet	3.333		57	40-140	6	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.76*		mg/kg wet	*3.333*		*83*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.65*		mg/kg wet	*5.000*		*93*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.57*		mg/kg wet	*5.000*		*91*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.94*		mg/kg wet	*3.333*		*88*	*30-130*			
Surrogate: 2-Fluorophenol	*4.51*		mg/kg wet	*5.000*		*90*	*30-130*			
Surrogate: Nitrobenzene-d5	*3.05*		mg/kg wet	*3.333*		*91*	*30-130*			
Surrogate: Phenol-d6	*4.68*		mg/kg wet	*5.000*		*94*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.16*		mg/kg wet	*3.333*		*95*	*30-130*			
Classical Chemistry										
Batch DD11927 - TCN Prep										
Blank										
Total Cyanide	ND	1.00	mg/kg wet							
LCS										
Total Cyanide	4.91	1.00	mg/kg wet	5.015		98	90-110			
Reference										
Total Cyanide	44.6	4.92	mg/kg wet	48.80		91	22.9-122.9			
Reference										
Total Cyanide	44.9	4.90	mg/kg wet	48.80		92	22.9-122.9			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

Notes and Definitions

U	Analyte included in the analysis, but not detected
S+	Surrogate recovery(ies) above upper control limit (S+).
RRF	Analyte does not meet the Relative Response Factor (RRF) criteria in the calibration
Q	Calibration required quadratic regression (Q).
PT	Pentachlorophenol tailing factor > 2.
J	Reported between MDL and MRL
D+	Relative percent difference for duplicate is outside of criteria (D+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B-	Blank Spike recovery is below lower control limit (B-).
B	Present in Method Blank (B).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21D0596

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: Client

ESS Project ID: 21D0596
Date Received: 4/16/2021
Project Due Date: 4/20/2021
Days for Project: 2 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 2.1 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** (Yes) / No / NA
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? Yes / (No)
    ESS Sample IDs:
    Analysis:
    TAT:
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA
13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: Time: By:

Sample Receiving Notes:

Added sample 3, MeOH vial.

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / (No)
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	155418	Yes	N/A	Yes	VOA Vial	MeOH	
1	155420	Yes	N/A	Yes	VOA Vial	DI Water	
1	155421	Yes	N/A	Yes	VOA Vial	DI Water	
1	155424	Yes	N/A	Yes	8 oz jar	NP	
1	155425	Yes	N/A	Yes	8 oz jar	NP	
1	155428	Yes	N/A	Yes	4 oz. Jar	NP	
1	155429	Yes	N/A	Yes	4 oz. Jar	NP	
2	155419	Yes	N/A	Yes	VOA Vial	MeOH	
2	155422	Yes	N/A	Yes	VOA Vial	DI Water	
2	155423	Yes	N/A	Yes	VOA Vial	DI Water	
2	155426	Yes	N/A	Yes	8 oz jar	NP	
2	155427	Yes	N/A	Yes	8 oz jar	NP	
2	155430	Yes	N/A	Yes	4 oz. Jar	NP	
2	155431	Yes	N/A	Yes	4 oz. Jar	NP	
3	156216	Yes	N/A	Yes	VOA Vial	MeOH	

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 21D0596
Date Received: 4/16/2021

2nd Review

Were all containers scanned into storage/lab? Initials TD (Yes) No

Are barcode labels on correct containers? Yes / No / NA

Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA

Are all Hex Chrome stickers attached? Yes / No / NA

Are all QC stickers attached? Yes / No / NA

Are VOA stickers attached if bubbles noted? Yes / No / NA

Completed By: Taylor Davis Date & Time: 4/20/21 1206

Reviewed By: Amber Jessie Date & Time: 4/20/21 13:01

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: Client

ESS Project ID: 21D0596
Date Received: 4/16/2021
Project Due Date: 4/20/2021
Days for Project: 2 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 2.1 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** (Yes) / No / NA
10. Were any analyses received outside of hold time? Yes (No)

11. Any Subcontracting needed? (Yes) / No
    ESS Sample IDs: **All**
    Analysis: **Total Sulfur**
    TAT: **2 Day**
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes (No) / NA
13. Are the samples properly preserved? Yes (No)
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 4/16/21 Time: 1435 By: ML

Sample Receiving Notes:

all vials smell overfilled

14. Was there a need to contact Project Manager? (Yes) / No
    a. Was there a need to contact the client? (Yes) / No
    Who was contacted: Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	155418	Yes	N/A	Yes	VOA Vial	MeOH	
1	155420	Yes	N/A	Yes	VOA Vial	DI Water	
1	155421	Yes	N/A	Yes	VOA Vial	DI Water	
1	155424	Yes	N/A	Yes	8 oz jar	NP	
1	155425	Yes	N/A	Yes	8 oz jar	NP	
1	155428	Yes	N/A	Yes	4 oz. Jar	NP	
1	155429	Yes	N/A	Yes	4 oz. Jar	NP	
2	155419	Yes	N/A	Yes	VOA Vial	MeOH	
2	155422	Yes	N/A	Yes	VOA Vial	DI Water	
2	155423	Yes	N/A	Yes	VOA Vial	DI Water	
2	155426	Yes	N/A	Yes	8 oz jar	NP	
2	155427	Yes	N/A	Yes	8 oz jar	NP	
2	155430	Yes	N/A	Yes	4 oz. Jar	NP	
2	155431	Yes	N/A	Yes	4 oz. Jar	NP	

2nd Review

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 21D0596

Date Received: 4/16/2021

Initials

Were all containers scanned into storage/lab?	Yes / No
Are barcode labels on correct containers?	Yes / No / NA
Are all Flashpoint stickers attached/container ID # circled?	Yes / No / NA
Are all Hex Chrome stickers attached?	Yes / No / NA
Are all QC stickers attached?	Yes / No / NA
Are VOA stickers attached if bubbles noted?	Yes / No / NA

Completed By: Date & Time: 4/16/21 14:24

Reviewed By: Date & Time: 4/16/21 1435

CHAIN OF CUSTODY

185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

ESS Lab # 21D0596 | Page 1 of 1

Turn Time: ☐ >5 ☐ 5 ☐ 4 ☐ 3 ☑ 2 ☐ 1 ☐ Same Day

Regulatory State: RI Criteria:

Is this project for any of the following?:

☐ CT RCP ☐ MA MCP ☐ RGP ☐ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF)

☐ Limit Checker ☐ State Forms ☐ EQuIS
☑ Excel ☐ Hard Copy ☐ Enviro Data
☐ CLP-Like Package ☐ Other (Specify) →

CLIENT INFORMATION

Client: GZA
Address: 188 Valley Street Suite 300, Providence RI
Phone: 401 500 1483
Email Distribution List:
Sara.haupt@gza.com

PROJECT INFORMATION

Project Name: FPLP
Project Location: 642 Allens Avenue
Project Number: 33554.04 TG-2
Project Manager: Sara Haupt
Bill to: Sara Haupt
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	VOC	SVOCs	TPH	RCRA 8 metals	Total Sulfur	Total Cyanide	Total Number of Bottles
1	04/16/21	1052	comp	soil	SP041621-1	ML - 4/21/21 X	X	X	X	X	X	7
2	04/16/21	1136	comp	soil	SP041621-2	X	X	X	X	X	X	7
3	04/20/21	1019	comp	soil	SP042021-1	X						

Container Type:	AC-Air Cassette	AG-Amber Glass	B-BOD Bottle	C-Cubitainer	J-Jar	O-Other	P-Poly	S-Sterile	V-Vial	V	AG	AG	AG	AG	AG	
Container Volume:	1-100 mL	2-2.5 gal	3-250 mL	4-300 mL	5-500 mL	6-1L	7-VOA	8-2 oz	9-4 oz	10-8 oz	11-Other*	7	10/9	10/9	10/9	10/9	10/9	
Preservation Code:	1-Non Preserved	2-HCl	3-H2SO4	4-HNO3	5-NaOH	6-Methanol	7-Na2S2O3	8-ZnAce, NaOH	9-NH4Cl	10-DI H2O	11-Other*	G/1	1	1	1	1	1	

Sampled by :

Chain needs to be filled out neatly and completely for on time delivery.

Laboratory Use Only

Cooler Temperature (°C): 2.1 Ice

Comments: * Please specify "Other" preservative and containers types in this space
1) National Grid rates apply
2) TCLP > 20 x Rule

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration: ☑ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
[signature]	04/16/21	1249	[signature]	[signature]	04/20/21	1049	[signature]
Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)

CHAIN OF CUSTODY

ESS Lab # 21D0596 | Page of

185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

Turn Time: ☐ >5 ☐ 5 ☐ 4 ☐ 3 ☑ 2 ☐ 1 ☐ Same Day

Regulatory State: RI Criteria:

Is this project for any of the following?:

☐ CT RCP ☐ MA MCP ☐ RGP ☐ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF)

☐ Limit Checker ☐ State Forms ☐ EQuIS
☑ Excel ☐ Hard Copy ☐ Enviro Data
☐ CLP-Like Package ☐ Other (Specify) →

CLIENT INFORMATION

Client: GZA
Address: 188 Valley Street Suite 300, Providence RI
Phone: 401 500 1483
Email Distribution List:
Sara.haupt@gza.com

PROJECT INFORMATION

Project Name: FP LP
Project Location: 642 Allens Avenue
Project Number: 33554.04 TG 2
Project Manager: Sara Haupt
Bill to: Sara Haupt
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	VOC	SVOCs	TPH	RCRA 8 metals	Total Sulfur	Total Cyanide	Total Number of Bottles
1	04/16/21	1052	comp	SOIL	SP041621-1	X	X	X	X	X	X	7
2	04/16/21	1136	comp	SOIL	SP041621-2	X	X	X	X	X	X	7

ML - 4/20/21

Container Type:	AC-Air Cassette	AG-Amber Glass	B-BOD Bottle	C-Cubitainer	J-Jar	O-Other	P-Poly	S-Sterile	V-Vial	V	AG	AG	AG	AG	AG	AG
Container Volume:	1-100 mL	2-2.5 gal	3-250 mL	4-300 mL	5-500 mL	6-1L	7-VOA	8-2 oz	9-4 oz	10-8 oz	11-Other*	7	10/g	10/g	10/g	10/g	10/g	10/g
Preservation Code:	1-Non Preserved	2-HCl	3-H2SO4	4-HNO3	5-NaOH	6-Methanol	7-Na2S2O3	8-ZnAce, NaOH	9-NH4Cl	10-DI H2O	11-Other*	G	1	1	1	1	1	1

Sampled by :

Chain needs to be filled out neatly and completely for on time delivery.

Laboratory Use Only

Cooler Temperature (°C): 21 Ice

Comments: * Please specify "Other" preservative and containers types in this space
1) National Grid rates apply
2) TCLP > 20 x Rule

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration
☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
[signature]	04/16/21	1249	[signature]				
Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)

CERTIFICATE OF ANALYSIS

Sophia Narkiewicz
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: FPLP (03.0033554.60)
ESS Laboratory Work Order Number: 21E0013

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 12:22 pm, May 10, 2021

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Sterling Analytical Lab - West Springfield, MA	Sulfur, Sulfur (Subcontracted)

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0013

SAMPLE RECEIPT

The following samples were received on May 03, 2021 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on May 3,2021 at 13:11.

Lab Number	Sample Name	Matrix	Analysis
21E0013-01	SP050321-1	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014
21E0013-02	SP050321-2	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014
21E0013-03	SP050321-3	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014
21E0013-04	SP050321-4	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0013

PROJECT NARRATIVE

8270D Semi-Volatile Organic Compounds

D1E0030-CCV1	**Calibration required quadratic regression (Q).**
	2,4-Dinitrophenol (100% @ 80-120%), 4,6-Dinitro-2-Methylphenol (94% @ 80-120%), Pentachlorophenol (108% @ 80-120%)
D1E0030-CCV1	**Continuing Calibration %Diff/Drift is above control limit (CD+).**
	2,4-Dimethylphenol (21% @ 20%)
D1E0031-CCV1	**Calibration required quadratic regression (Q).**
	2,4-Dinitrophenol (101% @ 80-120%), 4,6-Dinitro-2-Methylphenol (94% @ 80-120%), Benzoic Acid (92% @ 80-120%), Di-n-octylphthalate (121% @ 80-120%)
D1E0031-CCV1	**Continuing Calibration %Diff/Drift is above control limit (CD+).**
	4-Chloroaniline (21% @ 20%), Aniline (21% @ 20%), Di-n-octylphthalate (21% @ 20%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0013

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-1
Date Sampled: 05/03/21 09:41
Percent Solids: 94

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.85** (2.54)		6010C		1	KJK	05/05/21 0:13	2.1	100	DE10446
Barium	**20.1** (2.54)		6010C		1	KJK	05/05/21 0:13	2.1	100	DE10446
Cadmium	ND (0.51)		6010C		1	KJK	05/05/21 0:13	2.1	100	DE10446
Chromium	**5.47** (1.02)		6010C		1	KJK	05/05/21 0:13	2.1	100	DE10446
Lead	**31.9** (5.08)		6010C		1	KJK	05/05/21 0:13	2.1	100	DE10446
Mercury	ND (0.032)		7471B		1	JRB	05/05/21 15:24	0.65	40	DE10447
Selenium	ND (5.08)		6010C		1	KJK	05/05/21 0:13	2.1	100	DE10446
Silver	ND (0.51)		6010C		1	KJK	05/05/21 0:13	2.1	100	DE10446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-1
Date Sampled: 05/03/21 09:41
Percent Solids: 94
Initial Volume: 8.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1,1,1-Trichloroethane	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1,1,2,2-Tetrachloroethane	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1,1,2-Trichloroethane	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1,1-Dichloroethane	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1,1-Dichloroethene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1,1-Dichloropropene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1,2,3-Trichlorobenzene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1,2,3-Trichloropropane	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1,2,4-Trichlorobenzene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1,2,4-Trimethylbenzene	**0.0091** (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1,2-Dibromo-3-Chloropropane	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1,2-Dibromoethane	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1,2-Dichlorobenzene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1,2-Dichloroethane	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1,2-Dichloropropane	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1,3,5-Trimethylbenzene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1,3-Dichlorobenzene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1,3-Dichloropropane	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1,4-Dichlorobenzene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1,4-Dioxane	ND (0.0642)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
1-Chlorohexane	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
2,2-Dichloropropane	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
2-Butanone	ND (0.0321)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
2-Chlorotoluene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
2-Hexanone	ND (0.0321)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
4-Chlorotoluene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
4-Isopropyltoluene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
4-Methyl-2-Pentanone	ND (0.0321)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Acetone	ND (0.0321)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Benzene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Bromobenzene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-1
Date Sampled: 05/03/21 09:41
Percent Solids: 94
Initial Volume: 8.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Bromodichloromethane	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Bromoform	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Bromomethane	ND (0.0064)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Carbon Disulfide	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Carbon Tetrachloride	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Chlorobenzene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Chloroethane	ND (0.0064)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Chloroform	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Chloromethane	ND (0.0064)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
cis-1,2-Dichloroethene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
cis-1,3-Dichloropropene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Dibromochloromethane	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Dibromomethane	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Dichlorodifluoromethane	ND (0.0064)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Diethyl Ether	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Di-isopropyl ether	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Ethyl tertiary-butyl ether	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Ethylbenzene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Hexachlorobutadiene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Isopropylbenzene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Methyl tert-Butyl Ether	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Methylene Chloride	ND (0.0161)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Naphthalene	**0.0090** (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
n-Butylbenzene	**0.0054** (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
n-Propylbenzene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
sec-Butylbenzene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Styrene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
tert-Butylbenzene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Tertiary-amyl methyl ether	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Tetrachloroethene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Tetrahydrofuran	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-1
Date Sampled: 05/03/21 09:41
Percent Solids: 94
Initial Volume: 8.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
trans-1,2-Dichloroethene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
trans-1,3-Dichloropropene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Trichloroethene	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Trichlorofluoromethane	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Vinyl Acetate	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Vinyl Chloride	ND (0.0064)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Xylene O	ND (0.0032)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Xylene P,M	ND (0.0064)		8260B Low		1	05/03/21 18:38	D1E0016	DE10330
Xylenes (Total)	ND (0.00642)		8260B Low		1	05/03/21 18:38		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*124 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*91 %*		*70-130*
Surrogate: Dibromofluoromethane	*115 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-1
Date Sampled: 05/03/21 09:41
Percent Solids: 94
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 5/4/21 12:20

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**1170** (39.6)		8100M		1	05/04/21 21:08	D1E0046	DE10409

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*124 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-1
Date Sampled: 05/03/21 09:41
Percent Solids: 94
Initial Volume: 14.2
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/3/21 14:58

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	**0.437** (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
1,2,4-Trichlorobenzene	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
1,2-Dichlorobenzene	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
1,3-Dichlorobenzene	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
1,4-Dichlorobenzene	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
2,3,4,6-Tetrachlorophenol	ND (1.88)		8270D		1	05/03/21 23:24	D1E0030	DE10313
2,4,5-Trichlorophenol	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
2,4,6-Trichlorophenol	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
2,4-Dichlorophenol	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
2,4-Dimethylphenol	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
2,4-Dinitrophenol	ND (1.88)		8270D		1	05/03/21 23:24	D1E0030	DE10313
2,4-Dinitrotoluene	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
2,6-Dinitrotoluene	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
2-Chloronaphthalene	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
2-Chlorophenol	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
2-Methylnaphthalene	**3.68** (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
2-Methylphenol	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
2-Nitroaniline	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
2-Nitrophenol	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
3,3′-Dichlorobenzidine	ND (0.751)		8270D		1	05/03/21 23:24	D1E0030	DE10313
3+4-Methylphenol	ND (0.751)		8270D		1	05/03/21 23:24	D1E0030	DE10313
3-Nitroaniline	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
4,6-Dinitro-2-Methylphenol	ND (1.88)		8270D		1	05/03/21 23:24	D1E0030	DE10313
4-Bromophenyl-phenylether	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
4-Chloro-3-Methylphenol	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
4-Chloroaniline	ND (0.751)		8270D		1	05/03/21 23:24	D1E0030	DE10313
4-Chloro-phenyl-phenyl ether	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
4-Nitroaniline	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
4-Nitrophenol	ND (1.88)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Acenaphthene	**3.18** (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Acenaphthylene	**1.64** (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Acetophenone	ND (0.751)		8270D		1	05/03/21 23:24	D1E0030	DE10313

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-1
Date Sampled: 05/03/21 09:41
Percent Solids: 94
Initial Volume: 14.2
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/3/21 14:58

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.751)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Anthracene	**3.40** (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Azobenzene	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Benzo(a)anthracene	**4.29** (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Benzo(a)pyrene	**4.37** (0.188)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Benzo(b)fluoranthene	**2.68** (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Benzo(g,h,i)perylene	**2.35** (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Benzo(k)fluoranthene	**2.63** (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Benzoic Acid	ND (1.88)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Benzyl Alcohol	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
bis(2-Chloroethoxy)methane	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
bis(2-Chloroethyl)ether	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
bis(2-chloroisopropyl)Ether	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
bis(2-Ethylhexyl)phthalate	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Butylbenzylphthalate	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Carbazole	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Chrysene	**3.68** (0.188)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Dibenzo(a,h)Anthracene	**0.541** (0.188)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Dibenzofuran	**1.49** (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Diethylphthalate	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Dimethylphthalate	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Di-n-butylphthalate	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Di-n-octylphthalate	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Fluoranthene	**9.01** (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Fluorene	**4.14** (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Hexachlorobenzene	ND (0.188)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Hexachlorobutadiene	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Hexachlorocyclopentadiene	ND (1.88)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Hexachloroethane	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Indeno(1,2,3-cd)Pyrene	**2.47** (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Isophorone	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Naphthalene	**6.04** (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-1
Date Sampled: 05/03/21 09:41
Percent Solids: 94
Initial Volume: 14.2
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/3/21 14:58

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
N-Nitrosodimethylamine	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
N-Nitroso-Di-n-Propylamine	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
N-nitrosodiphenylamine	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Pentachlorophenol	ND (1.88)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Phenanthrene	**12.2** (3.75)		8270D		10	05/04/21 20:54	D1E0030	DE10313
Phenol	ND (0.375)		8270D		1	05/03/21 23:24	D1E0030	DE10313
Pyrene	**11.8** (3.75)		8270D		10	05/04/21 20:54	D1E0030	DE10313
Pyridine	ND (1.88)		8270D		1	05/03/21 23:24	D1E0030	DE10313

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*75 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*94 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*81 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*69 %*		*30-130*
Surrogate: 2-Fluorophenol	*77 %*		*30-130*
Surrogate: Nitrobenzene-d5	*78 %*		*30-130*
Surrogate: Phenol-d6	*82 %*		*30-130*
Surrogate: p-Terphenyl-d14	*98 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-1
Date Sampled: 05/03/21 09:41
Percent Solids: 94

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**7.15** (1.04)		9014		1	EEM	05/05/21 11:45	mg/kg dry	DE10511

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-1
Date Sampled: 05/03/21 09:41
Percent Solids: 94
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-01
Sample Matrix: Soil

Analyst: SUB
Prepared: 5/7/21 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**742** (100)		6010		1	SUB	05/10/21 10:59	mg/kg	DE11030

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-2
Date Sampled: 05/03/21 09:53
Percent Solids: 93

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.25** (2.50)		6010C		1	KJK	05/05/21 18:35	2.15	100	DE10446
Barium	**21.9** (2.50)		6010C		1	KJK	05/05/21 0:15	2.15	100	DE10446
Cadmium	ND (0.50)		6010C		1	KJK	05/05/21 0:15	2.15	100	DE10446
Chromium	**5.78** (1.00)		6010C		1	KJK	05/05/21 0:15	2.15	100	DE10446
Lead	**34.1** (5.00)		6010C		1	KJK	05/05/21 0:15	2.15	100	DE10446
Mercury	ND (0.033)		7471B		1	JRB	05/05/21 15:26	0.65	40	DE10447
Selenium	ND (5.00)		6010C		1	KJK	05/05/21 0:15	2.15	100	DE10446
Silver	ND (0.50)		6010C		1	KJK	05/05/21 0:15	2.15	100	DE10446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-2
Date Sampled: 05/03/21 09:53
Percent Solids: 93
Initial Volume: 8.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1,1,1-Trichloroethane	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1,1,2,2-Tetrachloroethane	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1,1,2-Trichloroethane	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1,1-Dichloroethane	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1,1-Dichloroethene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1,1-Dichloropropene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1,2,3-Trichlorobenzene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1,2,3-Trichloropropane	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1,2,4-Trichlorobenzene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1,2,4-Trimethylbenzene	**0.0274** (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1,2-Dibromo-3-Chloropropane	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1,2-Dibromoethane	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1,2-Dichlorobenzene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1,2-Dichloroethane	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1,2-Dichloropropane	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1,3,5-Trimethylbenzene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1,3-Dichlorobenzene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1,3-Dichloropropane	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1,4-Dichlorobenzene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1,4-Dioxane	ND (0.0656)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
1-Chlorohexane	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
2,2-Dichloropropane	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
2-Butanone	ND (0.0328)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
2-Chlorotoluene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
2-Hexanone	ND (0.0328)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
4-Chlorotoluene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
4-Isopropyltoluene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
4-Methyl-2-Pentanone	ND (0.0328)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Acetone	ND (0.0328)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Benzene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Bromobenzene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-2
Date Sampled: 05/03/21 09:53
Percent Solids: 93
Initial Volume: 8.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Bromodichloromethane	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Bromoform	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Bromomethane	ND (0.0066)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Carbon Disulfide	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Carbon Tetrachloride	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Chlorobenzene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Chloroethane	ND (0.0066)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Chloroform	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Chloromethane	ND (0.0066)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
cis-1,2-Dichloroethene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
cis-1,3-Dichloropropene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Dibromochloromethane	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Dibromomethane	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Dichlorodifluoromethane	ND (0.0066)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Diethyl Ether	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Di-isopropyl ether	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Ethyl tertiary-butyl ether	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Ethylbenzene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Hexachlorobutadiene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Isopropylbenzene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Methyl tert-Butyl Ether	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Methylene Chloride	ND (0.0164)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Naphthalene	**0.0222** (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
n-Butylbenzene	**0.0093** (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
n-Propylbenzene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
sec-Butylbenzene	**0.0047** (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Styrene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
tert-Butylbenzene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Tertiary-amyl methyl ether	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Tetrachloroethene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Tetrahydrofuran	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-2
Date Sampled: 05/03/21 09:53
Percent Solids: 93
Initial Volume: 8.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
trans-1,2-Dichloroethene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
trans-1,3-Dichloropropene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Trichloroethene	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Trichlorofluoromethane	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Vinyl Acetate	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Vinyl Chloride	ND (0.0066)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Xylene O	ND (0.0033)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Xylene P,M	ND (0.0066)		8260B Low		1	05/03/21 19:03	D1E0016	DE10330
Xylenes (Total)	ND (0.00656)		8260B Low		1	05/03/21 19:03		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*104 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*77 %*		*70-130*
Surrogate: Dibromofluoromethane	*108 %*		*70-130*
Surrogate: Toluene-d8	*101 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-2
Date Sampled: 05/03/21 09:53
Percent Solids: 93
Initial Volume: 19.4
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 5/4/21 12:20

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**1280** (41.6)		8100M		1	05/04/21 21:42	D1E0046	DE10409

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*122 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-2
Date Sampled: 05/03/21 09:53
Percent Solids: 93
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/3/21 14:58

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	**0.411** (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
1,2,4-Trichlorobenzene	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
1,2-Dichlorobenzene	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
1,3-Dichlorobenzene	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
1,4-Dichlorobenzene	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
2,3,4,6-Tetrachlorophenol	ND (1.76)		8270D		1	05/03/21 23:55	D1E0030	DE10313
2,4,5-Trichlorophenol	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
2,4,6-Trichlorophenol	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
2,4-Dichlorophenol	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
2,4-Dimethylphenol	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
2,4-Dinitrophenol	ND (1.76)		8270D		1	05/03/21 23:55	D1E0030	DE10313
2,4-Dinitrotoluene	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
2,6-Dinitrotoluene	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
2-Chloronaphthalene	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
2-Chlorophenol	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
2-Methylnaphthalene	**3.89** (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
2-Methylphenol	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
2-Nitroaniline	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
2-Nitrophenol	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
3,3′-Dichlorobenzidine	ND (0.703)		8270D		1	05/03/21 23:55	D1E0030	DE10313
3+4-Methylphenol	ND (0.703)		8270D		1	05/03/21 23:55	D1E0030	DE10313
3-Nitroaniline	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
4,6-Dinitro-2-Methylphenol	ND (1.76)		8270D		1	05/03/21 23:55	D1E0030	DE10313
4-Bromophenyl-phenylether	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
4-Chloro-3-Methylphenol	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
4-Chloroaniline	ND (0.703)		8270D		1	05/03/21 23:55	D1E0030	DE10313
4-Chloro-phenyl-phenyl ether	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
4-Nitroaniline	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
4-Nitrophenol	ND (1.76)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Acenaphthene	**2.75** (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Acenaphthylene	**1.42** (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Acetophenone	ND (0.703)		8270D		1	05/03/21 23:55	D1E0030	DE10313

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-2
Date Sampled: 05/03/21 09:53
Percent Solids: 93
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/3/21 14:58

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.703)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Anthracene	**2.90** (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Azobenzene	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Benzo(a)anthracene	**3.60** (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Benzo(a)pyrene	**3.55** (0.176)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Benzo(b)fluoranthene	**2.25** (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Benzo(g,h,i)perylene	**1.91** (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Benzo(k)fluoranthene	**2.31** (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Benzoic Acid	ND (1.76)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Benzyl Alcohol	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
bis(2-Chloroethoxy)methane	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
bis(2-Chloroethyl)ether	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
bis(2-chloroisopropyl)Ether	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
bis(2-Ethylhexyl)phthalate	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Butylbenzylphthalate	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Carbazole	**0.363** (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Chrysene	**3.07** (0.176)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Dibenzo(a,h)Anthracene	**0.464** (0.176)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Dibenzofuran	**1.38** (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Diethylphthalate	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Dimethylphthalate	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Di-n-butylphthalate	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Di-n-octylphthalate	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Fluoranthene	**7.71** (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Fluorene	**3.76** (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Hexachlorobenzene	ND (0.176)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Hexachlorobutadiene	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Hexachlorocyclopentadiene	ND (1.76)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Hexachloroethane	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Indeno(1,2,3-cd)Pyrene	**2.01** (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Isophorone	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Naphthalene	**6.54** (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-2
Date Sampled: 05/03/21 09:53
Percent Solids: 93
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/3/21 14:58

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
N-Nitrosodimethylamine	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
N-Nitroso-Di-n-Propylamine	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
N-nitrosodiphenylamine	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Pentachlorophenol	ND (1.76)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Phenanthrene	**11.4** (3.51)		8270D		10	05/04/21 21:25	D1E0030	DE10313
Phenol	ND (0.351)		8270D		1	05/03/21 23:55	D1E0030	DE10313
Pyrene	**10.4** (3.51)		8270D		10	05/04/21 21:25	D1E0030	DE10313
Pyridine	ND (1.76)		8270D		1	05/03/21 23:55	D1E0030	DE10313

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*69 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*84 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*75 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*63 %*		*30-130*
Surrogate: 2-Fluorophenol	*71 %*		*30-130*
Surrogate: Nitrobenzene-d5	*71 %*		*30-130*
Surrogate: Phenol-d6	*76 %*		*30-130*
Surrogate: p-Terphenyl-d14	*88 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-2
Date Sampled: 05/03/21 09:53
Percent Solids: 93

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-02
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**13.7** (1.01)		9014		1	EEM	05/05/21 11:45	mg/kg dry	DE10511

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-2
Date Sampled: 05/03/21 09:53
Percent Solids: 93
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-02
Sample Matrix: Soil

Analyst: SUB
Prepared: 5/7/21 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**837** (100)		6010		1	SUB	05/10/21 10:59	mg/kg	DE11030

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-3
Date Sampled: 05/03/21 10:03
Percent Solids: 92

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.86** (2.65)		6010C		1	KJK	05/05/21 0:30	2.04	100	DE10446
Barium	**22.2** (2.65)		6010C		1	KJK	05/05/21 0:30	2.04	100	DE10446
Cadmium	ND (0.53)		6010C		1	KJK	05/05/21 0:30	2.04	100	DE10446
Chromium	**5.06** (1.06)		6010C		1	KJK	05/05/21 0:30	2.04	100	DE10446
Lead	**31.2** (5.31)		6010C		1	KJK	05/05/21 0:30	2.04	100	DE10446
Mercury	**0.044** (0.034)		7471B		1	JRB	05/05/21 15:41	0.63	40	DE10447
Selenium	ND (5.31)		6010C		1	KJK	05/05/21 0:30	2.04	100	DE10446
Silver	ND (0.53)		6010C		1	KJK	05/05/21 0:30	2.04	100	DE10446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-3
Date Sampled: 05/03/21 10:03
Percent Solids: 92
Initial Volume: 9.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1,1,1-Trichloroethane	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1,1,2,2-Tetrachloroethane	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1,1,2-Trichloroethane	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1,1-Dichloroethane	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1,1-Dichloroethene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1,1-Dichloropropene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1,2,3-Trichlorobenzene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1,2,3-Trichloropropane	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1,2,4-Trichlorobenzene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1,2,4-Trimethylbenzene	**0.0173** (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1,2-Dibromo-3-Chloropropane	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1,2-Dibromoethane	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1,2-Dichlorobenzene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1,2-Dichloroethane	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1,2-Dichloropropane	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1,3,5-Trimethylbenzene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1,3-Dichlorobenzene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1,3-Dichloropropane	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1,4-Dichlorobenzene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1,4-Dioxane	ND (0.0582)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
1-Chlorohexane	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
2,2-Dichloropropane	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
2-Butanone	ND (0.0291)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
2-Chlorotoluene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
2-Hexanone	ND (0.0291)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
4-Chlorotoluene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
4-Isopropyltoluene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
4-Methyl-2-Pentanone	ND (0.0291)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Acetone	ND (0.0291)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Benzene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Bromobenzene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-3
Date Sampled: 05/03/21 10:03
Percent Solids: 92
Initial Volume: 9.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Bromodichloromethane	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Bromoform	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Bromomethane	ND (0.0058)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Carbon Disulfide	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Carbon Tetrachloride	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Chlorobenzene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Chloroethane	ND (0.0058)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Chloroform	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Chloromethane	ND (0.0058)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
cis-1,2-Dichloroethene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
cis-1,3-Dichloropropene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Dibromochloromethane	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Dibromomethane	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Dichlorodifluoromethane	ND (0.0058)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Diethyl Ether	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Di-isopropyl ether	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Ethyl tertiary-butyl ether	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Ethylbenzene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Hexachlorobutadiene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Isopropylbenzene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Methyl tert-Butyl Ether	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Methylene Chloride	ND (0.0146)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Naphthalene	**0.0171** (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
n-Butylbenzene	**0.0073** (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
n-Propylbenzene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
sec-Butylbenzene	**0.0036** (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Styrene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
tert-Butylbenzene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Tertiary-amyl methyl ether	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Tetrachloroethene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Tetrahydrofuran	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-3
Date Sampled: 05/03/21 10:03
Percent Solids: 92
Initial Volume: 9.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
trans-1,2-Dichloroethene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
trans-1,3-Dichloropropene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Trichloroethene	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Trichlorofluoromethane	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Vinyl Acetate	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Vinyl Chloride	ND (0.0058)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Xylene O	ND (0.0029)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Xylene P,M	ND (0.0058)		8260B Low		1	05/03/21 19:29	D1E0016	DE10330
Xylenes (Total)	ND (0.00582)		8260B Low		1	05/03/21 19:29		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*103 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*80 %*		*70-130*
Surrogate: Dibromofluoromethane	*104 %*		*70-130*
Surrogate: Toluene-d8	*102 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-3
Date Sampled: 05/03/21 10:03
Percent Solids: 92
Initial Volume: 20.6
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 5/4/21 12:20

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**1240** (39.4)		8100M		1	05/04/21 22:15	D1E0046	DE10409

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*130 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-3
Date Sampled: 05/03/21 10:03
Percent Solids: 92
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/3/21 14:58

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	**0.417** (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
1,2,4-Trichlorobenzene	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
1,2-Dichlorobenzene	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
1,3-Dichlorobenzene	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
1,4-Dichlorobenzene	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
2,3,4,6-Tetrachlorophenol	ND (1.86)		8270D		1	05/04/21 0:25	D1E0030	DE10313
2,4,5-Trichlorophenol	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
2,4,6-Trichlorophenol	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
2,4-Dichlorophenol	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
2,4-Dimethylphenol	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
2,4-Dinitrophenol	ND (1.86)		8270D		1	05/04/21 0:25	D1E0030	DE10313
2,4-Dinitrotoluene	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
2,6-Dinitrotoluene	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
2-Chloronaphthalene	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
2-Chlorophenol	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
2-Methylnaphthalene	**4.07** (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
2-Methylphenol	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
2-Nitroaniline	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
2-Nitrophenol	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
3,3′-Dichlorobenzidine	ND (0.742)		8270D		1	05/04/21 0:25	D1E0030	DE10313
3+4-Methylphenol	ND (0.742)		8270D		1	05/04/21 0:25	D1E0030	DE10313
3-Nitroaniline	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
4,6-Dinitro-2-Methylphenol	ND (1.86)		8270D		1	05/04/21 0:25	D1E0030	DE10313
4-Bromophenyl-phenylether	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
4-Chloro-3-Methylphenol	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
4-Chloroaniline	ND (0.742)		8270D		1	05/04/21 0:25	D1E0030	DE10313
4-Chloro-phenyl-phenyl ether	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
4-Nitroaniline	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
4-Nitrophenol	ND (1.86)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Acenaphthene	**2.99** (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Acenaphthylene	**1.39** (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Acetophenone	ND (0.742)		8270D		1	05/04/21 0:25	D1E0030	DE10313

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-3
Date Sampled: 05/03/21 10:03
Percent Solids: 92
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/3/21 14:58

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.742)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Anthracene	**3.00** (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Azobenzene	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Benzo(a)anthracene	**3.56** (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Benzo(a)pyrene	**3.96** (0.186)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Benzo(b)fluoranthene	**2.38** (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Benzo(g,h,i)perylene	**2.32** (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Benzo(k)fluoranthene	**2.43** (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Benzoic Acid	ND (1.86)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Benzyl Alcohol	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
bis(2-Chloroethoxy)methane	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
bis(2-Chloroethyl)ether	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
bis(2-chloroisopropyl)Ether	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
bis(2-Ethylhexyl)phthalate	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Butylbenzylphthalate	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Carbazole	**0.376** (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Chrysene	**3.04** (0.186)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Dibenzo(a,h)Anthracene	**0.640** (0.186)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Dibenzofuran	**1.42** (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Diethylphthalate	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Dimethylphthalate	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Di-n-butylphthalate	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Di-n-octylphthalate	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Fluoranthene	**7.39** (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Fluorene	**3.94** (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Hexachlorobenzene	ND (0.186)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Hexachlorobutadiene	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Hexachlorocyclopentadiene	ND (1.86)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Hexachloroethane	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Indeno(1,2,3-cd)Pyrene	**2.55** (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Isophorone	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Naphthalene	**6.06** (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-3
Date Sampled: 05/03/21 10:03
Percent Solids: 92
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/3/21 14:58

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
N-Nitrosodimethylamine	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
N-Nitroso-Di-n-Propylamine	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
N-nitrosodiphenylamine	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Pentachlorophenol	ND (1.86)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Phenanthrene	**12.5** (3.70)		8270D		10	05/04/21 21:56	D1E0030	DE10313
Phenol	ND (0.370)		8270D		1	05/04/21 0:25	D1E0030	DE10313
Pyrene	**10.5** (3.70)		8270D		10	05/04/21 21:56	D1E0030	DE10313
Pyridine	ND (1.86)		8270D		1	05/04/21 0:25	D1E0030	DE10313

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*76 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*94 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*81 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*71 %*		*30-130*
Surrogate: 2-Fluorophenol	*78 %*		*30-130*
Surrogate: Nitrobenzene-d5	*78 %*		*30-130*
Surrogate: Phenol-d6	*83 %*		*30-130*
Surrogate: p-Terphenyl-d14	*101 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-3
Date Sampled: 05/03/21 10:03
Percent Solids: 92

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-03
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**11.5** (1.03)		9014		1	EEM	05/05/21 11:45	mg/kg dry	DE10511

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-3
Date Sampled: 05/03/21 10:03
Percent Solids: 92
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-03
Sample Matrix: Soil

Analyst: SUB
Prepared: 5/7/21 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**483** (100)		6010		1	SUB	05/10/21 10:59	mg/kg	DE11030

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-4
Date Sampled: 05/03/21 10:13
Percent Solids: 94

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.93** (2.59)		6010C		1	KJK	05/05/21 0:31	2.05	100	DE10446
Barium	**21.6** (2.59)		6010C		1	KJK	05/05/21 0:31	2.05	100	DE10446
Cadmium	ND (0.52)		6010C		1	KJK	05/05/21 0:31	2.05	100	DE10446
Chromium	**4.65** (1.04)		6010C		1	KJK	05/05/21 0:31	2.05	100	DE10446
Lead	**35.4** (5.18)		6010C		1	KJK	05/05/21 0:31	2.05	100	DE10446
Mercury	ND (0.034)		7471B		1	JRB	05/05/21 15:43	0.61	40	DE10447
Selenium	ND (5.18)		6010C		1	KJK	05/05/21 0:31	2.05	100	DE10446
Silver	ND (0.52)		6010C		1	KJK	05/05/21 0:31	2.05	100	DE10446

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-4
Date Sampled: 05/03/21 10:13
Percent Solids: 94
Initial Volume: 9.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1,1,1-Trichloroethane	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1,1,2,2-Tetrachloroethane	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1,1,2-Trichloroethane	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1,1-Dichloroethane	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1,1-Dichloroethene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1,1-Dichloropropene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1,2,3-Trichlorobenzene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1,2,3-Trichloropropane	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1,2,4-Trichlorobenzene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1,2,4-Trimethylbenzene	**0.0041** (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1,2-Dibromo-3-Chloropropane	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1,2-Dibromoethane	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1,2-Dichlorobenzene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1,2-Dichloroethane	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1,2-Dichloropropane	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1,3,5-Trimethylbenzene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1,3-Dichlorobenzene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1,3-Dichloropropane	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1,4-Dichlorobenzene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1,4-Dioxane	ND (0.0577)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
1-Chlorohexane	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
2,2-Dichloropropane	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
2-Butanone	ND (0.0289)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
2-Chlorotoluene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
2-Hexanone	ND (0.0289)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
4-Chlorotoluene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
4-Isopropyltoluene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
4-Methyl-2-Pentanone	ND (0.0289)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Acetone	ND (0.0289)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Benzene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Bromobenzene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-4
Date Sampled: 05/03/21 10:13
Percent Solids: 94
Initial Volume: 9.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Bromodichloromethane	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Bromoform	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Bromomethane	ND (0.0058)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Carbon Disulfide	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Carbon Tetrachloride	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Chlorobenzene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Chloroethane	ND (0.0058)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Chloroform	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Chloromethane	ND (0.0058)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
cis-1,2-Dichloroethene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
cis-1,3-Dichloropropene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Dibromochloromethane	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Dibromomethane	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Dichlorodifluoromethane	ND (0.0058)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Diethyl Ether	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Di-isopropyl ether	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Ethyl tertiary-butyl ether	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Ethylbenzene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Hexachlorobutadiene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Isopropylbenzene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Methyl tert-Butyl Ether	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Methylene Chloride	ND (0.0144)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Naphthalene	**0.0044** (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
n-Butylbenzene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
n-Propylbenzene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
sec-Butylbenzene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Styrene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
tert-Butylbenzene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Tertiary-amyl methyl ether	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Tetrachloroethene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Tetrahydrofuran	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-4
Date Sampled: 05/03/21 10:13
Percent Solids: 94
Initial Volume: 9.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
trans-1,2-Dichloroethene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
trans-1,3-Dichloropropene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Trichloroethene	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Trichlorofluoromethane	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Vinyl Acetate	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Vinyl Chloride	ND (0.0058)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Xylene O	ND (0.0029)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Xylene P,M	ND (0.0058)		8260B Low		1	05/03/21 19:54	D1E0016	DE10330
Xylenes (Total)	ND (0.00577)		8260B Low		1	05/03/21 19:54		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*101 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*89 %*		*70-130*
Surrogate: Dibromofluoromethane	*105 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-4
Date Sampled: 05/03/21 10:13
Percent Solids: 94
Initial Volume: 20
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 5/4/21 12:20

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**1170** (39.8)		8100M		1	05/04/21 22:49	D1E0046	DE10409

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*127 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-4
Date Sampled: 05/03/21 10:13
Percent Solids: 94
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/3/21 14:58

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
1,2,4-Trichlorobenzene	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
1,2-Dichlorobenzene	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
1,3-Dichlorobenzene	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
1,4-Dichlorobenzene	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
2,3,4,6-Tetrachlorophenol	ND (1.80)		8270D		1	05/04/21 0:56	D1E0030	DE10313
2,4,5-Trichlorophenol	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
2,4,6-Trichlorophenol	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
2,4-Dichlorophenol	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
2,4-Dimethylphenol	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
2,4-Dinitrophenol	ND (1.80)		8270D		1	05/04/21 0:56	D1E0030	DE10313
2,4-Dinitrotoluene	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
2,6-Dinitrotoluene	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
2-Chloronaphthalene	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
2-Chlorophenol	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
2-Methylnaphthalene	**2.04** (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
2-Methylphenol	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
2-Nitroaniline	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
2-Nitrophenol	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
3,3′-Dichlorobenzidine	ND (0.718)		8270D		1	05/04/21 0:56	D1E0030	DE10313
3+4-Methylphenol	ND (0.718)		8270D		1	05/04/21 0:56	D1E0030	DE10313
3-Nitroaniline	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
4,6-Dinitro-2-Methylphenol	ND (1.80)		8270D		1	05/04/21 0:56	D1E0030	DE10313
4-Bromophenyl-phenylether	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
4-Chloro-3-Methylphenol	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
4-Chloroaniline	ND (0.718)		8270D		1	05/04/21 0:56	D1E0030	DE10313
4-Chloro-phenyl-phenyl ether	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
4-Nitroaniline	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
4-Nitrophenol	ND (1.80)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Acenaphthene	**1.66** (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Acenaphthylene	**0.857** (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Acetophenone	ND (0.718)		8270D		1	05/04/21 0:56	D1E0030	DE10313

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-4
Date Sampled: 05/03/21 10:13
Percent Solids: 94
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/3/21 14:58

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.718)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Anthracene	**1.71** (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Azobenzene	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Benzo(a)anthracene	**2.23** (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Benzo(a)pyrene	**2.25** (0.180)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Benzo(b)fluoranthene	**1.37** (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Benzo(g,h,i)perylene	**1.21** (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Benzo(k)fluoranthene	**1.57** (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Benzoic Acid	ND (1.80)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Benzyl Alcohol	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
bis(2-Chloroethoxy)methane	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
bis(2-Chloroethyl)ether	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
bis(2-chloroisopropyl)Ether	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
bis(2-Ethylhexyl)phthalate	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Butylbenzylphthalate	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Carbazole	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Chrysene	**1.92** (0.180)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Dibenzo(a,h)Anthracene	**0.336** (0.180)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Dibenzofuran	**0.825** (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Diethylphthalate	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Dimethylphthalate	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Di-n-butylphthalate	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Di-n-octylphthalate	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Fluoranthene	**4.64** (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Fluorene	**2.24** (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Hexachlorobenzene	ND (0.180)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Hexachlorobutadiene	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Hexachlorocyclopentadiene	ND (1.80)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Hexachloroethane	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Indeno(1,2,3-cd)Pyrene	**1.28** (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Isophorone	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Naphthalene	**3.38** (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-4
Date Sampled: 05/03/21 10:13
Percent Solids: 94
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/3/21 14:58

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
N-Nitrosodimethylamine	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
N-Nitroso-Di-n-Propylamine	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
N-nitrosodiphenylamine	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Pentachlorophenol	ND (1.80)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Phenanthrene	**6.36** (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Phenol	ND (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Pyrene	**6.09** (0.358)		8270D		1	05/04/21 0:56	D1E0030	DE10313
Pyridine	ND (1.80)		8270D		1	05/04/21 0:56	D1E0030	DE10313

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*70 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*87 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*75 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*67 %*		*30-130*
Surrogate: 2-Fluorophenol	*74 %*		*30-130*
Surrogate: Nitrobenzene-d5	*71 %*		*30-130*
Surrogate: Phenol-d6	*77 %*		*30-130*
Surrogate: p-Terphenyl-d14	*92 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-4
Date Sampled: 05/03/21 10:13
Percent Solids: 94

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-04
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**12.4** (0.98)		9014		1	EEM	05/05/21 11:45	mg/kg dry	DE10511

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP050321-4
Date Sampled: 05/03/21 10:13
Percent Solids: 94
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 21E0013
ESS Laboratory Sample ID: 21E0013-04
Sample Matrix: Soil

Analyst: SUB
Prepared: 5/7/21 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**896** (100)		6010		1	SUB	05/10/21 10:59	mg/kg	DE11030

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0013

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DE10446 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
Barium	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
LCS										
Arsenic	33.7	8.33	mg/kg wet	43.10		78	63-136			
Barium	493	8.33	mg/kg wet	597.0		83	80-120			
Cadmium	92.0	1.67	mg/kg wet	118.0		78	69-130			
Chromium	249	3.33	mg/kg wet	299.0		83	80-120			
Lead	122	16.7	mg/kg wet	144.0		85	80-120			
Selenium	127	16.7	mg/kg wet	154.0		82	80-120			
Silver	61.3	1.67	mg/kg wet	73.50		83	80-120			
LCS Dup										
Arsenic	31.6	8.20	mg/kg wet	43.10		73	63-136	6	20	
Barium	495	8.20	mg/kg wet	597.0		83	80-120	0.4	20	
Cadmium	89.8	1.64	mg/kg wet	118.0		76	69-130	2	20	
Chromium	243	3.28	mg/kg wet	299.0		81	80-120	3	20	
Lead	118	16.4	mg/kg wet	144.0		82	80-120	3	20	
Selenium	124	16.4	mg/kg wet	154.0		80	80-120	3	20	
Silver	59.2	1.64	mg/kg wet	73.50		81	80-120	3	20	
Batch DE10447 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	22.7	3.19	mg/kg wet	27.90		82	80-120			
LCS Dup										
Mercury	23.1	3.05	mg/kg wet	27.90		83	80-120	1	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch DE10330 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0013

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DE10330 - 5035										
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DE10330 - 5035										
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0581*		mg/kg wet	*0.05000*		*116*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0501*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0544*		mg/kg wet	*0.05000*		*109*	*70-130*			
Surrogate: Toluene-d8	*0.0473*		mg/kg wet	*0.05000*		*95*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
1,1,1-Trichloroethane	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			
1,1,2,2-Tetrachloroethane	0.0462	0.0050	mg/kg wet	0.05000		92	70-130			
1,1,2-Trichloroethane	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
1,1-Dichloroethane	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
1,1-Dichloroethene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130			
1,1-Dichloropropene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
1,2,3-Trichlorobenzene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
1,2,3-Trichloropropane	0.0463	0.0050	mg/kg wet	0.05000		93	70-130			
1,2,4-Trichlorobenzene	0.0483	0.0050	mg/kg wet	0.05000		97	70-130			
1,2,4-Trimethylbenzene	0.0454	0.0050	mg/kg wet	0.05000		91	70-130			
1,2-Dibromo-3-Chloropropane	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
1,2-Dibromoethane	0.0469	0.0050	mg/kg wet	0.05000		94	70-130			
1,2-Dichlorobenzene	0.0445	0.0050	mg/kg wet	0.05000		89	70-130			
1,2-Dichloroethane	0.0525	0.0050	mg/kg wet	0.05000		105	70-130			
1,2-Dichloropropane	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
1,3,5-Trimethylbenzene	0.0461	0.0050	mg/kg wet	0.05000		92	70-130			
1,3-Dichlorobenzene	0.0445	0.0050	mg/kg wet	0.05000		89	70-130			
1,3-Dichloropropane	0.0469	0.0050	mg/kg wet	0.05000		94	70-130			
1,4-Dichlorobenzene	0.0455	0.0050	mg/kg wet	0.05000		91	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DE10330 - 5035										
1,4-Dioxane	0.940	0.100	mg/kg wet	1.000		94	70-130			
1-Chlorohexane	0.0465	0.0050	mg/kg wet	0.05000		93	70-130			
2,2-Dichloropropane	0.0550	0.0050	mg/kg wet	0.05000		110	70-130			
2-Butanone	0.284	0.0500	mg/kg wet	0.2500		114	70-130			
2-Chlorotoluene	0.0444	0.0050	mg/kg wet	0.05000		89	70-130			
2-Hexanone	0.269	0.0500	mg/kg wet	0.2500		107	70-130			
4-Chlorotoluene	0.0450	0.0050	mg/kg wet	0.05000		90	70-130			
4-Isopropyltoluene	0.0452	0.0050	mg/kg wet	0.05000		90	70-130			
4-Methyl-2-Pentanone	0.260	0.0500	mg/kg wet	0.2500		104	70-130			
Acetone	0.320	0.0500	mg/kg wet	0.2500		128	70-130			
Benzene	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
Bromobenzene	0.0449	0.0050	mg/kg wet	0.05000		90	70-130			
Bromochloromethane	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
Bromodichloromethane	0.0551	0.0050	mg/kg wet	0.05000		110	70-130			
Bromoform	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
Bromomethane	0.0475	0.0100	mg/kg wet	0.05000		95	70-130			
Carbon Disulfide	0.0534	0.0050	mg/kg wet	0.05000		107	70-130			
Carbon Tetrachloride	0.0572	0.0050	mg/kg wet	0.05000		114	70-130			
Chlorobenzene	0.0440	0.0050	mg/kg wet	0.05000		88	70-130			
Chloroethane	0.0453	0.0100	mg/kg wet	0.05000		91	70-130			
Chloroform	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
Chloromethane	0.0525	0.0100	mg/kg wet	0.05000		105	70-130			
cis-1,2-Dichloroethene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
cis-1,3-Dichloropropene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130			
Dibromochloromethane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
Dibromomethane	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
Dichlorodifluoromethane	0.0583	0.0100	mg/kg wet	0.05000		117	70-130			
Diethyl Ether	0.0514	0.0050	mg/kg wet	0.05000		103	70-130			
Di-isopropyl ether	0.0555	0.0050	mg/kg wet	0.05000		111	70-130			
Ethyl tertiary-butyl ether	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
Ethylbenzene	0.0450	0.0050	mg/kg wet	0.05000		90	70-130			
Hexachlorobutadiene	0.0467	0.0050	mg/kg wet	0.05000		93	70-130			
Isopropylbenzene	0.0442	0.0050	mg/kg wet	0.05000		88	70-130			
Methyl tert-Butyl Ether	0.0556	0.0050	mg/kg wet	0.05000		111	70-130			
Methylene Chloride	0.0485	0.0250	mg/kg wet	0.05000		97	70-130			
Naphthalene	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
n-Butylbenzene	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
n-Propylbenzene	0.0452	0.0050	mg/kg wet	0.05000		90	70-130			
sec-Butylbenzene	0.0438	0.0050	mg/kg wet	0.05000		88	70-130			
Styrene	0.0447	0.0050	mg/kg wet	0.05000		89	70-130			
tert-Butylbenzene	0.0452	0.0050	mg/kg wet	0.05000		90	70-130			
Tertiary-amyl methyl ether	0.0538	0.0050	mg/kg wet	0.05000		108	70-130			
Tetrachloroethene	0.0442	0.0050	mg/kg wet	0.05000		88	70-130			
Tetrahydrofuran	0.0487	0.0050	mg/kg wet	0.05000		97	70-130			
Toluene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DE10330 - 5035										
trans-1,2-Dichloroethene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
trans-1,3-Dichloropropene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
Trichloroethene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
Trichlorofluoromethane	0.0545	0.0050	mg/kg wet	0.05000		109	70-130			
Vinyl Acetate	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
Vinyl Chloride	0.0552	0.0100	mg/kg wet	0.05000		110	70-130			
Xylene O	0.0451	0.0050	mg/kg wet	0.05000		90	70-130			
Xylene P,M	0.0939	0.0100	mg/kg wet	0.1000		94	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0527*		mg/kg wet	*0.05000*		*105*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0508*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0528*		mg/kg wet	*0.05000*		*106*	*70-130*			
Surrogate: Toluene-d8	*0.0479*		mg/kg wet	*0.05000*		*96*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0564	0.0050	mg/kg wet	0.05000		113	70-130	8	25	
1,1,1-Trichloroethane	0.0558	0.0050	mg/kg wet	0.05000		112	70-130	6	25	
1,1,2,2-Tetrachloroethane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130	6	25	
1,1,2-Trichloroethane	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	5	25	
1,1-Dichloroethane	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	5	25	
1,1-Dichloroethene	0.0556	0.0050	mg/kg wet	0.05000		111	70-130	6	25	
1,1-Dichloropropene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	6	25	
1,2,3-Trichlorobenzene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	8	25	
1,2,3-Trichloropropane	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	5	25	
1,2,4-Trichlorobenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	8	25	
1,2,4-Trimethylbenzene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130	9	25	
1,2-Dibromo-3-Chloropropane	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	2	25	
1,2-Dibromoethane	0.0496	0.0050	mg/kg wet	0.05000		99	70-130	6	25	
1,2-Dichlorobenzene	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	8	25	
1,2-Dichloroethane	0.0556	0.0050	mg/kg wet	0.05000		111	70-130	6	25	
1,2-Dichloropropane	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	7	25	
1,3,5-Trimethylbenzene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	8	25	
1,3-Dichlorobenzene	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	8	25	
1,3-Dichloropropane	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	7	25	
1,4-Dichlorobenzene	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	7	25	
1,4-Dioxane	0.981	0.100	mg/kg wet	1.000		98	70-130	4	20	
1-Chlorohexane	0.0496	0.0050	mg/kg wet	0.05000		99	70-130	7	25	
2,2-Dichloropropane	0.0585	0.0050	mg/kg wet	0.05000		117	70-130	6	25	
2-Butanone	0.290	0.0500	mg/kg wet	0.2500		116	70-130	2	25	
2-Chlorotoluene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	8	25	
2-Hexanone	0.257	0.0500	mg/kg wet	0.2500		103	70-130	4	25	
4-Chlorotoluene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	7	25	
4-Isopropyltoluene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130	8	25	
4-Methyl-2-Pentanone	0.264	0.0500	mg/kg wet	0.2500		106	70-130	1	25	
Acetone	0.310	0.0500	mg/kg wet	0.2500		124	70-130	3	25	
Benzene	0.0508	0.0050	mg/kg wet	0.05000		102	70-130	6	25	
Bromobenzene	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	7	25	

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DE10330 - 5035										
Bromochloromethane	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	6	25	
Bromodichloromethane	0.0589	0.0050	mg/kg wet	0.05000		118	70-130	7	25	
Bromoform	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	5	25	
Bromomethane	0.0512	0.0100	mg/kg wet	0.05000		102	70-130	8	25	
Carbon Disulfide	0.0566	0.0050	mg/kg wet	0.05000		113	70-130	6	25	
Carbon Tetrachloride	0.0609	0.0050	mg/kg wet	0.05000		122	70-130	6	25	
Chlorobenzene	0.0468	0.0050	mg/kg wet	0.05000		94	70-130	6	25	
Chloroethane	0.0487	0.0100	mg/kg wet	0.05000		97	70-130	7	25	
Chloroform	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	6	25	
Chloromethane	0.0548	0.0100	mg/kg wet	0.05000		110	70-130	4	25	
cis-1,2-Dichloroethene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	6	25	
cis-1,3-Dichloropropene	0.0593	0.0050	mg/kg wet	0.05000		119	70-130	7	25	
Dibromochloromethane	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	6	25	
Dibromomethane	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	7	25	
Dichlorodifluoromethane	0.0603	0.0100	mg/kg wet	0.05000		121	70-130	3	25	
Diethyl Ether	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	7	25	
Di-isopropyl ether	0.0596	0.0050	mg/kg wet	0.05000		119	70-130	7	25	
Ethyl tertiary-butyl ether	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	7	25	
Ethylbenzene	0.0480	0.0050	mg/kg wet	0.05000		96	70-130	6	25	
Hexachlorobutadiene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	7	25	
Isopropylbenzene	0.0479	0.0050	mg/kg wet	0.05000		96	70-130	8	25	
Methyl tert-Butyl Ether	0.0592	0.0050	mg/kg wet	0.05000		118	70-130	6	25	
Methylene Chloride	0.0539	0.0250	mg/kg wet	0.05000		108	70-130	11	25	
Naphthalene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	5	25	
n-Butylbenzene	0.0521	0.0050	mg/kg wet	0.05000		104	70-130	9	25	
n-Propylbenzene	0.0486	0.0050	mg/kg wet	0.05000		97	70-130	7	25	
sec-Butylbenzene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130	8	25	
Styrene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	8	25	
tert-Butylbenzene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130	8	25	
Tertiary-amyl methyl ether	0.0572	0.0050	mg/kg wet	0.05000		114	70-130	6	25	
Tetrachloroethene	0.0458	0.0050	mg/kg wet	0.05000		92	70-130	4	25	
Tetrahydrofuran	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	3	25	
Toluene	0.0514	0.0050	mg/kg wet	0.05000		103	70-130	6	25	
trans-1,2-Dichloroethene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	6	25	
trans-1,3-Dichloropropene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	6	25	
Trichloroethene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	6	25	
Trichlorofluoromethane	0.0578	0.0050	mg/kg wet	0.05000		116	70-130	6	25	
Vinyl Acetate	0.0514	0.0050	mg/kg wet	0.05000		103	70-130	7	25	
Vinyl Chloride	0.0581	0.0100	mg/kg wet	0.05000		116	70-130	5	25	
Xylene O	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	7	25	
Xylene P,M	0.100	0.0100	mg/kg wet	0.1000		100	70-130	6	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0519*		mg/kg wet	*0.05000*		*104*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0502*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0528*		mg/kg wet	*0.05000*		*106*	*70-130*			
Surrogate: Toluene-d8	*0.0481*		mg/kg wet	*0.05000*		*96*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0013

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DE10409 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.89*		mg/kg wet	*5.000*		*98*	*40-140*			
LCS										
Decane (C10)	2.0	0.2	mg/kg wet	2.500		82	40-140			
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Dodecane (C12)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		90	40-140			
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		90	40-140			
Nonadecane (C19)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Nonane (C9)	1.9	0.2	mg/kg wet	2.500		75	30-140			
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		90	40-140			
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		90	40-140			
Tetradecane (C14)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Total Petroleum Hydrocarbons	30.2	37.5	mg/kg wet	35.00		86	40-140			
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Surrogate: O-Terphenyl	*4.81*		mg/kg wet	*5.000*		*96*	*40-140*			
LCS Dup										
Decane (C10)	2.0	0.2	mg/kg wet	2.500		81	40-140	0.2	25	
Docosane (C22)	2.3	0.2	mg/kg wet	2.500		91	40-140	2	25	
Dodecane (C12)	2.2	0.2	mg/kg wet	2.500		88	40-140	1	25	
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		91	40-140	2	25	
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		91	40-140	2	25	
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		92	40-140	2	25	
Nonadecane (C19)	2.3	0.2	mg/kg wet	2.500		93	40-140	2	25	
Nonane (C9)	1.9	0.2	mg/kg wet	2.500		75	30-140	0.3	25	
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		92	40-140	2	25	
Octadecane (C18)	2.3	0.2	mg/kg wet	2.500		91	40-140	2	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0013

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DE10409 - 3546										
Tetracosane (C24)	2.3	0.2	mg/kg wet	2.500		92	40-140	2	25	
Tetradecane (C14)	2.3	0.2	mg/kg wet	2.500		91	40-140	2	25	
Total Petroleum Hydrocarbons	30.6	37.5	mg/kg wet	35.00		87	40-140	1	25	
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		91	40-140	2	25	
Surrogate: O-Terphenyl	*4.84*		mg/kg wet	*5.000*		*97*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DE10313 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DE10313 - 3546										
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*1.84*		mg/kg wet	*3.333*		*55*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.44*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.82*		mg/kg wet	*5.000*		*56*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.75*		mg/kg wet	*3.333*		*53*	*30-130*			
Surrogate: 2-Fluorophenol	*2.90*		mg/kg wet	*5.000*		*58*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.72*		mg/kg wet	*3.333*		*52*	*30-130*			
Surrogate: Phenol-d6	*2.92*		mg/kg wet	*5.000*		*58*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.00*		mg/kg wet	*3.333*		*90*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 21E0013

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DE10313 - 3546										
LCS										
1,1-Biphenyl	2.10	0.333	mg/kg wet	3.333		63	40-140			
1,2,4-Trichlorobenzene	1.95	0.333	mg/kg wet	3.333		58	40-140			
1,2-Dichlorobenzene	1.79	0.333	mg/kg wet	3.333		54	40-140			
1,3-Dichlorobenzene	1.75	0.333	mg/kg wet	3.333		53	40-140			
1,4-Dichlorobenzene	1.77	0.333	mg/kg wet	3.333		53	40-140			
2,3,4,6-Tetrachlorophenol	2.75	1.67	mg/kg wet	3.333		82	30-130			
2,4,5-Trichlorophenol	2.51	0.333	mg/kg wet	3.333		75	30-130			
2,4,6-Trichlorophenol	2.44	0.333	mg/kg wet	3.333		73	30-130			
2,4-Dichlorophenol	2.31	0.333	mg/kg wet	3.333		69	30-130			
2,4-Dimethylphenol	2.30	0.333	mg/kg wet	3.333		69	30-130			
2,4-Dinitrophenol	2.48	1.67	mg/kg wet	3.333		74	30-130			
2,4-Dinitrotoluene	2.96	0.333	mg/kg wet	3.333		89	40-140			
2,6-Dinitrotoluene	2.65	0.333	mg/kg wet	3.333		80	40-140			
2-Chloronaphthalene	2.04	0.333	mg/kg wet	3.333		61	40-140			
2-Chlorophenol	2.05	0.333	mg/kg wet	3.333		61	30-130			
2-Methylnaphthalene	2.13	0.333	mg/kg wet	3.333		64	40-140			
2-Methylphenol	2.26	0.333	mg/kg wet	3.333		68	30-130			
2-Nitroaniline	2.35	0.333	mg/kg wet	3.333		70	40-140			
2-Nitrophenol	2.06	0.333	mg/kg wet	3.333		62	30-130			
3,3´-Dichlorobenzidine	2.63	0.667	mg/kg wet	3.333		79	40-140			
3+4-Methylphenol	2.33	0.667	mg/kg wet	3.333		70	30-130			
3-Nitroaniline	2.62	0.333	mg/kg wet	3.333		79	40-140			
4,6-Dinitro-2-Methylphenol	2.35	1.67	mg/kg wet	3.333		70	30-130			
4-Bromophenyl-phenylether	2.60	0.333	mg/kg wet	3.333		78	40-140			
4-Chloro-3-Methylphenol	2.77	0.333	mg/kg wet	3.333		83	30-130			
4-Chloroaniline	2.05	0.667	mg/kg wet	3.333		62	40-140			
4-Chloro-phenyl-phenyl ether	2.45	0.333	mg/kg wet	3.333		74	40-140			
4-Nitroaniline	2.72	0.333	mg/kg wet	3.333		82	40-140			
4-Nitrophenol	2.55	1.67	mg/kg wet	3.333		77	30-130			
Acenaphthene	2.17	0.333	mg/kg wet	3.333		65	40-140			
Acenaphthylene	2.24	0.333	mg/kg wet	3.333		67	40-140			
Acetophenone	2.06	0.667	mg/kg wet	3.333		62	40-140			
Aniline	1.99	0.667	mg/kg wet	3.333		60	40-140			
Anthracene	2.77	0.333	mg/kg wet	3.333		83	40-140			
Azobenzene	2.44	0.333	mg/kg wet	3.333		73	40-140			
Benzo(a)anthracene	2.84	0.333	mg/kg wet	3.333		85	40-140			
Benzo(a)pyrene	3.22	0.167	mg/kg wet	3.333		97	40-140			
Benzo(b)fluoranthene	2.84	0.333	mg/kg wet	3.333		85	40-140			
Benzo(g,h,i)perylene	2.86	0.333	mg/kg wet	3.333		86	40-140			
Benzo(k)fluoranthene	2.91	0.333	mg/kg wet	3.333		87	40-140			
Benzoic Acid	2.03	1.67	mg/kg wet	3.333		61	40-140			
Benzyl Alcohol	2.20	0.333	mg/kg wet	3.333		66	40-140			
bis(2-Chloroethoxy)methane	1.98	0.333	mg/kg wet	3.333		59	40-140			
bis(2-Chloroethyl)ether	1.89	0.333	mg/kg wet	3.333		57	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0013

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DE10313 - 3546										
bis(2-chloroisopropyl)Ether	1.89	0.333	mg/kg wet	3.333		57	40-140			
bis(2-Ethylhexyl)phthalate	2.88	0.333	mg/kg wet	3.333		86	40-140			
Butylbenzylphthalate	2.83	0.333	mg/kg wet	3.333		85	40-140			
Carbazole	2.82	0.333	mg/kg wet	3.333		85	40-140			
Chrysene	2.80	0.167	mg/kg wet	3.333		84	40-140			
Dibenzo(a,h)Anthracene	2.89	0.167	mg/kg wet	3.333		87	40-140			
Dibenzofuran	2.33	0.333	mg/kg wet	3.333		70	40-140			
Diethylphthalate	2.88	0.333	mg/kg wet	3.333		86	40-140			
Dimethylphthalate	2.66	0.333	mg/kg wet	3.333		80	40-140			
Di-n-butylphthalate	2.75	0.333	mg/kg wet	3.333		82	40-140			
Di-n-octylphthalate	3.19	0.333	mg/kg wet	3.333		96	40-140			
Fluoranthene	2.83	0.333	mg/kg wet	3.333		85	40-140			
Fluorene	2.57	0.333	mg/kg wet	3.333		77	40-140			
Hexachlorobenzene	2.75	0.167	mg/kg wet	3.333		83	40-140			
Hexachlorobutadiene	1.89	0.333	mg/kg wet	3.333		57	40-140			
Hexachlorocyclopentadiene	1.87	1.67	mg/kg wet	3.333		56	40-140			
Hexachloroethane	1.81	0.333	mg/kg wet	3.333		54	40-140			
Indeno(1,2,3-cd)Pyrene	2.94	0.333	mg/kg wet	3.333		88	40-140			
Isophorone	2.05	0.333	mg/kg wet	3.333		62	40-140			
Naphthalene	1.95	0.333	mg/kg wet	3.333		59	40-140			
Nitrobenzene	1.93	0.333	mg/kg wet	3.333		58	40-140			
N-Nitrosodimethylamine	1.65	0.333	mg/kg wet	3.333		50	40-140			
N-Nitroso-Di-n-Propylamine	2.18	0.333	mg/kg wet	3.333		65	40-140			
N-nitrosodiphenylamine	2.66	0.333	mg/kg wet	3.333		80	40-140			
Pentachlorophenol	2.42	1.67	mg/kg wet	3.333		73	30-130			
Phenanthrene	2.67	0.333	mg/kg wet	3.333		80	40-140			
Phenol	2.19	0.333	mg/kg wet	3.333		66	30-130			
Pyrene	3.03	0.333	mg/kg wet	3.333		91	40-140			
Pyridine	1.55	1.67	mg/kg wet	3.333		46	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*1.88*		mg/kg wet	*3.333*		*56*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.63*		mg/kg wet	*5.000*		*93*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.20*		mg/kg wet	*5.000*		*64*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.15*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: 2-Fluorophenol	*3.14*		mg/kg wet	*5.000*		*63*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.00*		mg/kg wet	*3.333*		*60*	*30-130*			
Surrogate: Phenol-d6	*3.40*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.16*		mg/kg wet	*3.333*		*95*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.12	0.333	mg/kg wet	3.333		64	40-140	0.9	30	
1,2,4-Trichlorobenzene	1.89	0.333	mg/kg wet	3.333		57	40-140	3	30	
1,2-Dichlorobenzene	1.72	0.333	mg/kg wet	3.333		52	40-140	4	30	
1,3-Dichlorobenzene	1.66	0.333	mg/kg wet	3.333		50	40-140	5	30	
1,4-Dichlorobenzene	1.66	0.333	mg/kg wet	3.333		50	40-140	6	30	
2,3,4,6-Tetrachlorophenol	2.83	1.67	mg/kg wet	3.333		85	30-130	3	30	
2,4,5-Trichlorophenol	2.56	0.333	mg/kg wet	3.333		77	30-130	2	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0013

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DE10313 - 3546										
2,4,6-Trichlorophenol	2.50	0.333	mg/kg wet	3.333		75	30-130	3	30	
2,4-Dichlorophenol	2.44	0.333	mg/kg wet	3.333		73	30-130	5	30	
2,4-Dimethylphenol	2.32	0.333	mg/kg wet	3.333		70	30-130	0.8	30	
2,4-Dinitrophenol	2.61	1.67	mg/kg wet	3.333		78	30-130	5	30	
2,4-Dinitrotoluene	2.99	0.333	mg/kg wet	3.333		90	40-140	1	30	
2,6-Dinitrotoluene	2.72	0.333	mg/kg wet	3.333		82	40-140	2	30	
2-Chloronaphthalene	2.06	0.333	mg/kg wet	3.333		62	40-140	0.5	30	
2-Chlorophenol	1.92	0.333	mg/kg wet	3.333		58	30-130	6	30	
2-Methylnaphthalene	2.11	0.333	mg/kg wet	3.333		63	40-140	0.8	30	
2-Methylphenol	2.19	0.333	mg/kg wet	3.333		66	30-130	3	30	
2-Nitroaniline	2.41	0.333	mg/kg wet	3.333		72	40-140	2	30	
2-Nitrophenol	1.98	0.333	mg/kg wet	3.333		60	30-130	4	30	
3,3´-Dichlorobenzidine	2.67	0.667	mg/kg wet	3.333		80	40-140	2	30	
3+4-Methylphenol	2.31	0.667	mg/kg wet	3.333		69	30-130	0.8	30	
3-Nitroaniline	2.67	0.333	mg/kg wet	3.333		80	40-140	2	30	
4,6-Dinitro-2-Methylphenol	2.46	1.67	mg/kg wet	3.333		74	30-130	5	30	
4-Bromophenyl-phenylether	2.58	0.333	mg/kg wet	3.333		78	40-140	0.8	30	
4-Chloro-3-Methylphenol	2.78	0.333	mg/kg wet	3.333		83	30-130	0.05	30	
4-Chloroaniline	2.11	0.667	mg/kg wet	3.333		63	40-140	3	30	
4-Chloro-phenyl-phenyl ether	2.55	0.333	mg/kg wet	3.333		77	40-140	4	30	
4-Nitroaniline	2.82	0.333	mg/kg wet	3.333		85	40-140	4	30	
4-Nitrophenol	2.64	1.67	mg/kg wet	3.333		79	30-130	3	30	
Acenaphthene	2.20	0.333	mg/kg wet	3.333		66	40-140	1	30	
Acenaphthylene	2.27	0.333	mg/kg wet	3.333		68	40-140	1	30	
Acetophenone	1.99	0.667	mg/kg wet	3.333		60	40-140	3	30	
Aniline	1.92	0.667	mg/kg wet	3.333		58	40-140	4	30	
Anthracene	2.86	0.333	mg/kg wet	3.333		86	40-140	3	30	
Azobenzene	2.51	0.333	mg/kg wet	3.333		75	40-140	2	30	
Benzo(a)anthracene	2.88	0.333	mg/kg wet	3.333		87	40-140	2	30	
Benzo(a)pyrene	3.34	0.167	mg/kg wet	3.333		100	40-140	4	30	
Benzo(b)fluoranthene	2.99	0.333	mg/kg wet	3.333		90	40-140	5	30	
Benzo(g,h,i)perylene	2.94	0.333	mg/kg wet	3.333		88	40-140	3	30	
Benzo(k)fluoranthene	3.01	0.333	mg/kg wet	3.333		90	40-140	3	30	
Benzoic Acid	2.23	1.67	mg/kg wet	3.333		67	40-140	9	30	
Benzyl Alcohol	2.11	0.333	mg/kg wet	3.333		63	40-140	4	30	
bis(2-Chloroethoxy)methane	1.92	0.333	mg/kg wet	3.333		57	40-140	3	30	
bis(2-Chloroethyl)ether	1.78	0.333	mg/kg wet	3.333		53	40-140	6	30	
bis(2-chloroisopropyl)Ether	1.77	0.333	mg/kg wet	3.333		53	40-140	6	30	
bis(2-Ethylhexyl)phthalate	2.93	0.333	mg/kg wet	3.333		88	40-140	2	30	
Butylbenzylphthalate	2.89	0.333	mg/kg wet	3.333		87	40-140	2	30	
Carbazole	2.89	0.333	mg/kg wet	3.333		87	40-140	2	30	
Chrysene	2.87	0.167	mg/kg wet	3.333		86	40-140	2	30	
Dibenzo(a,h)Anthracene	3.01	0.167	mg/kg wet	3.333		90	40-140	4	30	
Dibenzofuran	2.39	0.333	mg/kg wet	3.333		72	40-140	3	30	
Diethylphthalate	2.89	0.333	mg/kg wet	3.333		87	40-140	0.4	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0013

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DE10313 - 3546										
Dimethylphthalate	2.73	0.333	mg/kg wet	3.333		82	40-140	3	30	
Di-n-butylphthalate	2.81	0.333	mg/kg wet	3.333		84	40-140	2	30	
Di-n-octylphthalate	3.21	0.333	mg/kg wet	3.333		96	40-140	0.6	30	
Fluoranthene	2.90	0.333	mg/kg wet	3.333		87	40-140	3	30	
Fluorene	2.63	0.333	mg/kg wet	3.333		79	40-140	3	30	
Hexachlorobenzene	2.82	0.167	mg/kg wet	3.333		85	40-140	2	30	
Hexachlorobutadiene	1.79	0.333	mg/kg wet	3.333		54	40-140	6	30	
Hexachlorocyclopentadiene	1.86	1.67	mg/kg wet	3.333		56	40-140	0.6	30	
Hexachloroethane	1.68	0.333	mg/kg wet	3.333		50	40-140	8	30	
Indeno(1,2,3-cd)Pyrene	3.05	0.333	mg/kg wet	3.333		91	40-140	4	30	
Isophorone	2.04	0.333	mg/kg wet	3.333		61	40-140	0.9	30	
Naphthalene	1.88	0.333	mg/kg wet	3.333		56	40-140	4	30	
Nitrobenzene	1.85	0.333	mg/kg wet	3.333		56	40-140	4	30	
N-Nitrosodimethylamine	1.58	0.333	mg/kg wet	3.333		47	40-140	5	30	
N-Nitroso-Di-n-Propylamine	2.06	0.333	mg/kg wet	3.333		62	40-140	5	30	
N-nitrosodiphenylamine	2.74	0.333	mg/kg wet	3.333		82	40-140	3	30	
Pentachlorophenol	2.53	1.67	mg/kg wet	3.333		76	30-130	4	30	
Phenanthrene	2.74	0.333	mg/kg wet	3.333		82	40-140	2	30	
Phenol	2.13	0.333	mg/kg wet	3.333		64	30-130	3	30	
Pyrene	3.10	0.333	mg/kg wet	3.333		93	40-140	2	30	
Pyridine	1.56	1.67	mg/kg wet	3.333		47	40-140	0.5	30	
Surrogate: 1,2-Dichlorobenzene-d4	*1.71*		mg/kg wet	*3.333*		*51*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.67*		mg/kg wet	*5.000*		*93*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.96*		mg/kg wet	*5.000*		*59*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.10*		mg/kg wet	*3.333*		*63*	*30-130*			
Surrogate: 2-Fluorophenol	*2.92*		mg/kg wet	*5.000*		*58*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.87*		mg/kg wet	*3.333*		*56*	*30-130*			
Surrogate: Phenol-d6	*3.21*		mg/kg wet	*5.000*		*64*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.09*		mg/kg wet	*3.333*		*93*	*30-130*			
Classical Chemistry										
Batch DE10511 - TCN Prep										
Blank										
Total Cyanide	ND	1.00	mg/kg wet							
LCS										
Total Cyanide	4.99	1.00	mg/kg wet	5.015		100	90-110			
Reference										
Total Cyanide	43.3	4.92	mg/kg wet	48.80		89	22.9-122.9			
Reference										
Total Cyanide	42.1	4.88	mg/kg wet	48.80		86	22.9-122.9			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0013

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0013

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

Sterling Analytical, Inc.
15 Agawam Avenue
West Springfield, MA 01089
Phone (413) 214-6541 Fax (413) 214-6842
email-madhu@sterlinganalytical.com

Visit our website: www.sterlinganalytical.com

Mass Certification - MA-00071
Conn Certification - PH-0520

Report Date May 7, 2021

Customer	Contact	Laboratory Supervisor	eMail
ESS Laboratory	S. Morrell	Madhu Shah	customerservice@sterlinganalytical.com

Sample Description
Analysis of Soil Samples

Samples Analyzed

Enclosed are Report No(s): 73655..73658

*Results reported on 'Dry Basis'.

Sulfur Total Blank = <0.05ppm

LCS Lo Check 0.100 = 0.088ppm

ICV 1.00 = 0.994ppm

Thank you for your business

madhu shah

Madhu Shah, Laboratory Supervisor

5/7/2021

Date

ALL the information contained in this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method.
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Sample	Description	Source	Taken/Time	Received
73655	21E0013-01	ESS Laboratory	5/3/21	5/4/21

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	742	mg/kg	100.00	SW 846 6010	05/07/21	dfp

Sample	Description	Source	Taken/Time	Received
73656	21E0013-02	ESS Laboratory	5/3/21	5/4/21

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	837	mg/kg	100.00	SW 846 6010	05/07/21	dfp

Sample	Description	Source	Taken/Time	Received
73657	21E0013-03	ESS Laboratory	5/3/21	5/4/21

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	483	mg/kg	100.00	SW 846 6010	05/07/21	dfp

Sample	Description	Source	Taken/Time	Received
73658	21E0013-04	ESS Laboratory	5/3/21	5/4/21

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	896	mg/kg	100.00	SW 846 6010	05/07/21	dfp

ESS Laboratory — Sterling

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 21E0013

Turn Time **DUE DATE: 5/10/21**

Regulatory State: MA **RI** CT NH NJ NY ME Other_____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other_____

Reporting Limits - _____

Electonic Deliverables Excel Access PDF

Co. Name: ESS LABORATORY	Project #:	Project Name: 21E0013	
Contact Person: Shawn Morrell / Heather Masse	Address:		
City:	State:	Zip:	PO #: B03046
Tel.	Email: Smorrell@thielsch.com; Hmasse@thielsch.com		

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	Analysis: Total Sulfur 6010 mg/Kg
	5/3/21	0941	C	S	21E0013-01					X
	5/3/21	0953	C	S	21E0013-02					X
	5/3/21	1003	C	S	21E0013-03					X
	5/3/21	1013	C	S	21E0013-04					X

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present ✓ Yes ____ No

Seals Intact ____ Yes ____ No NA: ____

Cooler Temperature: _____

Internal Use Only
[ ] Pickup
[ ] Technician

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Sampled by :

Comments: **QC required MB and LCS**

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
8:22 5/4/21	5/4/21 8:22	5/4/21 14:15	5-4-21 14:15
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: Client

ESS Project ID: 21E0013
Date Received: 5/3/2021
Project Due Date: 5/10/2021
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: -6.1 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / (NA)
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? Yes / (No)
    ESS Sample IDs: 1 - 4
    Analysis: Total Sulfur
    TAT: 5 Day
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA
13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: ____ Time: ____ By: ____
    b. Low Level VOA vials frozen: Date: 5/3/21 Time: 1211 By: ____

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / (No)
    Who was contacted? ____ Date: ____ Time: ____ By: ____

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	160814	Yes	N/A	Yes	VOA Vial	DI Water	
1	160815	Yes	N/A	Yes	VOA Vial	DI Water	
1	160822	Yes	N/A	Yes	VOA Vial	MeOH	
1	160826	Yes	N/A	Yes	8 oz jar	NP	
1	160827	Yes	N/A	Yes	8 oz jar	NP	
1	160832	Yes	N/A	Yes	8 oz jar	NP	
1	160839	Yes	N/A	Yes	2 oz. Jar	NP	
2	160816	Yes	N/A	Yes	VOA Vial	DI Water	
2	160817	Yes	N/A	Yes	VOA Vial	DI Water	
2	160823	Yes	N/A	Yes	VOA Vial	MeOH	
2	160828	Yes	N/A	Yes	8 oz jar	NP	
2	160829	Yes	N/A	Yes	8 oz jar	NP	
2	160833	Yes	N/A	Yes	8 oz jar	NP	
2	160834	Yes	N/A	Yes	8 oz jar	NP	
3	160818	Yes	N/A	Yes	VOA Vial	DI Water	
3	160819	Yes	N/A	Yes	VOA Vial	DI Water	

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 21E0013

Date Received: 5/3/2021

3	160824	Yes	N/A	Yes	VOA Vial	MeOH
3	160830	Yes	N/A	Yes	8 oz jar	NP
3	160831	Yes	N/A	Yes	8 oz jar	NP
3	160835	Yes	N/A	Yes	4 oz. Jar	NP
3	160836	Yes	N/A	Yes	4 oz. Jar	NP
4	160820	Yes	N/A	Yes	VOA Vial	DI Water
4	160821	Yes	N/A	Yes	VOA Vial	DI Water
4	160825	Yes	N/A	Yes	VOA Vial	MeOH
4	160837	Yes	N/A	Yes	4 oz. Jar	NP
4	160838	Yes	N/A	Yes	4 oz. Jar	NP
4	160840	Yes	N/A	Yes	2 oz. Jar	NP
4	160841	Yes	N/A	Yes	2 oz. Jar	NP

2nd Review

Were all containers scanned into storage/lab? Initials

Are barcode labels on correct containers? Yes / No

Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA

Are all Hex Chrome stickers attached? Yes / No / NA

Are all QC stickers attached? Yes / No / NA

Are VOA stickers attached if bubbles noted? Yes / No / NA

Completed By: Date & Time: 1204 5/3/21

Reviewed By: Date & Time: 5/3/21 13:4

185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
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www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 21E0013 | Page 1 of 1

Turn Time: ☐ >5 ☐ 5 ☐ 4 ☐ 3 ☐ 2 ☐ 1 ☐ Same Day
Regulatory State: RI Criteria:
Is this project for any of the following?: ☐ CT RCP ☐ MA MCP ☐ RGP ☐ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF)
☐ Limit Checker ☐ State Forms ☑ EQuIS
☐ Excel ☐ Hard Copy ☐ Enviro Data
☐ CLP-Like Package ☐ Other (Specify) →

CLIENT INFORMATION

Client: GZA
Address: 188 Valley street suite 300, Providence RI
Phone: 401-500-1983
Email Distribution List: Sara.haupt@gza.com

PROJECT INFORMATION

Project Name: FPLP STRAP COMPLIANCE
Project Location: 642 Allens Avenue
Project Number: 33554.05 Task 6.0
Project Manager: Sara Haupt
Bill to: Sara Haupt
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	TPH	VOCs	SVOCs	RCRA 8 Metals	Total Sulfur	Total Cyanide	Total Number of Bottles
1	5/3/21	0941	COMP	SOIL	SP050321-1	X	X	X	X	X	X	1
2	5/3/21	0953	COMP	SOIL	SP050321-2	X	X	X	X	X	X	1
3	5/3/21	1003	COMP	SOIL	SP050321-3	X	X	X	X	X	X	1
4	5/3/21	1013	COMP	SOIL	SP050321-4	X	X	X	X	X	X	1
	5/3/21											

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial — AG | V | AG | AG | AG | AG
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other* — 1 | 7 | 1 | 1 | 1 | 1
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAcc, NaOH 9-NH4Cl 10-DI H2O 11-Other* — 1 | 6/10 | 1 | 1 | 1 | 1

Chain needs to be filled out neatly and completely for on time delivery.

Sampled by :

Laboratory Use Only
Cooler Temperature (°C): -6.1 FIC

Comments: * Please specify "Other" preservative and containers types in this space
1) Natural Gw rates apply.
2) TCLP > 20 x Rule

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration: ☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
	05/03/21	1121					
Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)

CERTIFICATE OF ANALYSIS

Sara Haupt
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: FPLP (03.0033554.60)
ESS Laboratory Work Order Number: 21E0742

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 4:40 pm, May 28, 2021

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Sterling Analytical Lab - West Springfield, MA	Sulfur, Sulfur (Subcontracted)

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0742

SAMPLE RECEIPT

The following samples were received on May 21, 2021 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on May 21, 2021 at 11:51.

Lab Number	Sample Name	Matrix	Analysis
21E0742-01	SP052121-1	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014
21E0742-02	SP052121-2	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014
21E0742-03	SP052121-3	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014
21E0742-04	SP052121-4	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0742

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

DE12528-BS1 **Blank Spike recovery is above upper control limit (B+).**
Acetone (149% @ 70-130%)

8270D Semi-Volatile Organic Compounds

D1E0408-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (82% @ 80-120%), 4,6-Dinitro-2-Methylphenol (92% @ 80-120%), Benzoic Acid (78% @ 80-120%), Di-n-octylphthalate (109% @ 80-120%)

D1E0408-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Benzoic Acid (22% @ 20%), N-nitrosodiphenylamine (25% @ 20%)

D1E0416-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (69% @ 80-120%), 4,6-Dinitro-2-Methylphenol (94% @ 80-120%), Pentachlorophenol (110% @ 80-120%)

D1E0416-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2-Nitroaniline (37% @ 20%), N-Nitrosodimethylamine (23% @ 20%), N-Nitroso-Di-n-Propylamine (30% @ 20%)

D1E0416-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
2,4-Dinitrophenol (31% @ 20%), Benzoic Acid (33% @ 20%), N-nitrosodiphenylamine (27% @ 20%)

DE12123-BSD1 **Blank Spike recovery is below lower control limit (B-).**
Hexachlorocyclopentadiene (36% @ 40-140%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

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Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0742

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-1
Date Sampled: 05/21/21 09:34
Percent Solids: 93

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.56)		6010C		1	KJK	05/26/21 17:20	2.09	100	DE12532
Barium	**12.2** (2.56)		6010C		1	KJK	05/26/21 17:20	2.09	100	DE12532
Cadmium	ND (0.51)		6010C		1	KJK	05/26/21 17:20	2.09	100	DE12532
Chromium	**4.01** (1.02)		6010C		1	KJK	05/26/21 17:20	2.09	100	DE12532
Lead	**9.51** (5.12)		6010C		1	KJK	05/26/21 17:20	2.09	100	DE12532
Mercury	ND (0.035)		7471B		1	JRB	05/26/21 15:26	0.61	40	DE12534
Selenium	ND (5.12)		6010C		1	KJK	05/26/21 17:20	2.09	100	DE12532
Silver	ND (0.51)		6010C		1	KJK	05/26/21 17:20	2.09	100	DE12532

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-1
Date Sampled: 05/21/21 09:34
Percent Solids: 93
Initial Volume: 7.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1,1,1-Trichloroethane	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1,1,2,2-Tetrachloroethane	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1,1,2-Trichloroethane	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1,1-Dichloroethane	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1,1-Dichloroethene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1,1-Dichloropropene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1,2,3-Trichlorobenzene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1,2,3-Trichloropropane	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1,2,4-Trichlorobenzene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1,2,4-Trimethylbenzene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1,2-Dibromo-3-Chloropropane	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1,2-Dibromoethane	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1,2-Dichlorobenzene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1,2-Dichloroethane	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1,2-Dichloropropane	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1,3,5-Trimethylbenzene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1,3-Dichlorobenzene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1,3-Dichloropropane	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1,4-Dichlorobenzene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1,4-Dioxane	ND (0.0686)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
1-Chlorohexane	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
2,2-Dichloropropane	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
2-Butanone	ND (0.0343)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
2-Chlorotoluene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
2-Hexanone	ND (0.0343)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
4-Chlorotoluene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
4-Isopropyltoluene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
4-Methyl-2-Pentanone	ND (0.0343)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Acetone	ND (0.0343)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Benzene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Bromobenzene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-1
Date Sampled: 05/21/21 09:34
Percent Solids: 93
Initial Volume: 7.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Bromodichloromethane	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Bromoform	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Bromomethane	ND (0.0069)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Carbon Disulfide	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Carbon Tetrachloride	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Chlorobenzene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Chloroethane	ND (0.0069)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Chloroform	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Chloromethane	ND (0.0069)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
cis-1,2-Dichloroethene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
cis-1,3-Dichloropropene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Dibromochloromethane	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Dibromomethane	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Dichlorodifluoromethane	ND (0.0069)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Diethyl Ether	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Di-isopropyl ether	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Ethyl tertiary-butyl ether	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Ethylbenzene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Hexachlorobutadiene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Isopropylbenzene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Methyl tert-Butyl Ether	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Methylene Chloride	ND (0.0172)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Naphthalene	**0.0168** (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
n-Butylbenzene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
n-Propylbenzene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
sec-Butylbenzene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Styrene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
tert-Butylbenzene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Tertiary-amyl methyl ether	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Tetrachloroethene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Tetrahydrofuran	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-1
Date Sampled: 05/21/21 09:34
Percent Solids: 93
Initial Volume: 7.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
trans-1,2-Dichloroethene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
trans-1,3-Dichloropropene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Trichloroethene	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Trichlorofluoromethane	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Vinyl Acetate	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Vinyl Chloride	ND (0.0069)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Xylene O	ND (0.0034)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Xylene P,M	ND (0.0069)		8260B Low		1	05/25/21 17:50	D1E0434	DE12528
Xylenes (Total)	ND (0.00686)		8260B Low		1	05/25/21 17:50		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*92 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*88 %*		*70-130*
Surrogate: Dibromofluoromethane	*94 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-1
Date Sampled: 05/21/21 09:34
Percent Solids: 93
Initial Volume: 19.4
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 5/21/21 19:15

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**277** (41.4)		8100M		1	05/25/21 16:59	D1E0401	DE12147

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*110 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-1
Date Sampled: 05/21/21 09:34
Percent Solids: 93
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/21/21 17:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
1,2,4-Trichlorobenzene	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
1,2-Dichlorobenzene	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
1,3-Dichlorobenzene	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
1,4-Dichlorobenzene	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
2,3,4,6-Tetrachlorophenol	ND (1.86)		8270D		1	05/26/21 0:49	D1E0416	DE12123
2,4,5-Trichlorophenol	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
2,4,6-Trichlorophenol	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
2,4-Dichlorophenol	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
2,4-Dimethylphenol	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
2,4-Dinitrophenol	ND (1.86)		8270D		1	05/26/21 0:49	D1E0416	DE12123
2,4-Dinitrotoluene	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
2,6-Dinitrotoluene	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
2-Chloronaphthalene	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
2-Chlorophenol	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
2-Methylnaphthalene	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
2-Methylphenol	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
2-Nitroaniline	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
2-Nitrophenol	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
3,3′-Dichlorobenzidine	ND (0.744)		8270D		1	05/26/21 0:49	D1E0416	DE12123
3+4-Methylphenol	ND (0.744)		8270D		1	05/26/21 0:49	D1E0416	DE12123
3-Nitroaniline	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
4,6-Dinitro-2-Methylphenol	ND (1.86)		8270D		1	05/26/21 0:49	D1E0416	DE12123
4-Bromophenyl-phenylether	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
4-Chloro-3-Methylphenol	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
4-Chloroaniline	ND (0.744)		8270D		1	05/26/21 0:49	D1E0416	DE12123
4-Chloro-phenyl-phenyl ether	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
4-Nitroaniline	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
4-Nitrophenol	ND (1.86)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Acenaphthene	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Acenaphthylene	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Acetophenone	ND (0.744)		8270D		1	05/26/21 0:49	D1E0416	DE12123

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-1
Date Sampled: 05/21/21 09:34
Percent Solids: 93
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/21/21 17:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.744)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Anthracene	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Azobenzene	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Benzo(a)anthracene	**0.405** (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Benzo(a)pyrene	**0.438** (0.186)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Benzo(b)fluoranthene	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Benzo(g,h,i)perylene	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Benzo(k)fluoranthene	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Benzoic Acid	ND (1.86)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Benzyl Alcohol	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
bis(2-Chloroethoxy)methane	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
bis(2-Chloroethyl)ether	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
bis(2-chloroisopropyl)Ether	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
bis(2-Ethylhexyl)phthalate	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Butylbenzylphthalate	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Carbazole	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Chrysene	**0.357** (0.186)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Dibenzo(a,h)Anthracene	ND (0.186)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Dibenzofuran	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Diethylphthalate	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Dimethylphthalate	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Di-n-butylphthalate	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Di-n-octylphthalate	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Fluoranthene	**0.712** (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Fluorene	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Hexachlorobenzene	ND (0.186)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Hexachlorobutadiene	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Hexachlorocyclopentadiene	ND (1.86)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Hexachloroethane	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Indeno(1,2,3-cd)Pyrene	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Isophorone	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Naphthalene	**0.525** (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-1
Date Sampled: 05/21/21 09:34
Percent Solids: 93
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/21/21 17:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
N-Nitrosodimethylamine	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
N-Nitroso-Di-n-Propylamine	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
N-nitrosodiphenylamine	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Pentachlorophenol	ND (1.86)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Phenanthrene	**0.698** (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Phenol	ND (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Pyrene	**0.970** (0.371)		8270D		1	05/26/21 0:49	D1E0416	DE12123
Pyridine	ND (1.86)		8270D		1	05/26/21 0:49	D1E0416	DE12123

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*65 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*78 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*71 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*76 %*		*30-130*
Surrogate: 2-Fluorophenol	*69 %*		*30-130*
Surrogate: Nitrobenzene-d5	*77 %*		*30-130*
Surrogate: Phenol-d6	*79 %*		*30-130*
Surrogate: p-Terphenyl-d14	*101 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-1
Date Sampled: 05/21/21 09:34
Percent Solids: 93

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**2.94** (1.03)		9014		1	EEM	05/25/21 12:15	mg/kg dry	DE12512

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-1
Date Sampled: 05/21/21 09:34
Percent Solids: 93
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-01
Sample Matrix: Soil

Analyst: SUB
Prepared: 5/28/21 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**298** (100)		6010		1	SUB	05/28/21 0:00	mg/kg	DE12823

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-2
Date Sampled: 05/21/21 09:39
Percent Solids: 94

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.44)		6010C		1	KJK	05/26/21 17:22	2.19	100	DE12532
Barium	**13.5** (2.44)		6010C		1	KJK	05/26/21 17:22	2.19	100	DE12532
Cadmium	ND (0.49)		6010C		1	KJK	05/26/21 17:22	2.19	100	DE12532
Chromium	**4.93** (0.98)		6010C		1	KJK	05/26/21 17:22	2.19	100	DE12532
Lead	**22.5** (4.88)		6010C		1	KJK	05/26/21 17:22	2.19	100	DE12532
Mercury	ND (0.032)		7471B		1	JRB	05/26/21 15:28	0.67	40	DE12534
Selenium	ND (4.88)		6010C		1	KJK	05/26/21 17:22	2.19	100	DE12532
Silver	ND (0.49)		6010C		1	KJK	05/26/21 17:22	2.19	100	DE12532

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-2
Date Sampled: 05/21/21 09:39
Percent Solids: 94
Initial Volume: 9.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1,1,1-Trichloroethane	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1,1,2,2-Tetrachloroethane	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1,1,2-Trichloroethane	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1,1-Dichloroethane	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1,1-Dichloroethene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1,1-Dichloropropene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1,2,3-Trichlorobenzene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1,2,3-Trichloropropane	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1,2,4-Trichlorobenzene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1,2,4-Trimethylbenzene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1,2-Dibromo-3-Chloropropane	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1,2-Dibromoethane	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1,2-Dichlorobenzene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1,2-Dichloroethane	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1,2-Dichloropropane	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1,3,5-Trimethylbenzene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1,3-Dichlorobenzene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1,3-Dichloropropane	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1,4-Dichlorobenzene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1,4-Dioxane	ND (0.0581)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
1-Chlorohexane	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
2,2-Dichloropropane	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
2-Butanone	ND (0.0291)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
2-Chlorotoluene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
2-Hexanone	ND (0.0291)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
4-Chlorotoluene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
4-Isopropyltoluene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
4-Methyl-2-Pentanone	ND (0.0291)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Acetone	ND (0.0291)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Benzene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Bromobenzene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-2
Date Sampled: 05/21/21 09:39
Percent Solids: 94
Initial Volume: 9.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Bromodichloromethane	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Bromoform	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Bromomethane	ND (0.0058)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Carbon Disulfide	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Carbon Tetrachloride	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Chlorobenzene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Chloroethane	ND (0.0058)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Chloroform	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Chloromethane	ND (0.0058)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
cis-1,2-Dichloroethene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
cis-1,3-Dichloropropene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Dibromochloromethane	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Dibromomethane	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Dichlorodifluoromethane	ND (0.0058)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Diethyl Ether	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Di-isopropyl ether	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Ethyl tertiary-butyl ether	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Ethylbenzene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Hexachlorobutadiene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Isopropylbenzene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Methyl tert-Butyl Ether	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Methylene Chloride	ND (0.0145)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Naphthalene	**0.0060** (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
n-Butylbenzene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
n-Propylbenzene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
sec-Butylbenzene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Styrene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
tert-Butylbenzene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Tertiary-amyl methyl ether	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Tetrachloroethene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Tetrahydrofuran	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-2
Date Sampled: 05/21/21 09:39
Percent Solids: 94
Initial Volume: 9.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
trans-1,2-Dichloroethene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
trans-1,3-Dichloropropene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Trichloroethene	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Trichlorofluoromethane	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Vinyl Acetate	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Vinyl Chloride	ND (0.0058)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Xylene O	ND (0.0029)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Xylene P,M	ND (0.0058)		8260B Low		1	05/25/21 17:24	D1E0434	DE12528
Xylenes (Total)	ND (0.00581)		8260B Low		1	05/25/21 17:24		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*89 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*87 %*		*70-130*
Surrogate: Dibromofluoromethane	*93 %*		*70-130*
Surrogate: Toluene-d8	*96 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-2
Date Sampled: 05/21/21 09:39
Percent Solids: 94
Initial Volume: 20.4
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 5/21/21 19:15

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**335** (39.3)		8100M		1	05/25/21 17:33	D1E0401	DE12147

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*106 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-2
Date Sampled: 05/21/21 09:39
Percent Solids: 94
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/21/21 17:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
1,2,4-Trichlorobenzene	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
1,2-Dichlorobenzene	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
1,3-Dichlorobenzene	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
1,4-Dichlorobenzene	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
2,3,4,6-Tetrachlorophenol	ND (1.85)		8270D		1	05/26/21 1:19	D1E0416	DE12123
2,4,5-Trichlorophenol	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
2,4,6-Trichlorophenol	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
2,4-Dichlorophenol	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
2,4-Dimethylphenol	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
2,4-Dinitrophenol	ND (1.85)		8270D		1	05/26/21 1:19	D1E0416	DE12123
2,4-Dinitrotoluene	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
2,6-Dinitrotoluene	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
2-Chloronaphthalene	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
2-Chlorophenol	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
2-Methylnaphthalene	**0.413** (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
2-Methylphenol	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
2-Nitroaniline	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
2-Nitrophenol	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
3,3′-Dichlorobenzidine	ND (0.738)		8270D		1	05/26/21 1:19	D1E0416	DE12123
3+4-Methylphenol	ND (0.738)		8270D		1	05/26/21 1:19	D1E0416	DE12123
3-Nitroaniline	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
4,6-Dinitro-2-Methylphenol	ND (1.85)		8270D		1	05/26/21 1:19	D1E0416	DE12123
4-Bromophenyl-phenylether	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
4-Chloro-3-Methylphenol	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
4-Chloroaniline	ND (0.738)		8270D		1	05/26/21 1:19	D1E0416	DE12123
4-Chloro-phenyl-phenyl ether	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
4-Nitroaniline	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
4-Nitrophenol	ND (1.85)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Acenaphthene	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Acenaphthylene	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Acetophenone	ND (0.738)		8270D		1	05/26/21 1:19	D1E0416	DE12123

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-2
Date Sampled: 05/21/21 09:39
Percent Solids: 94
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/21/21 17:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.738)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Anthracene	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Azobenzene	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Benzo(a)anthracene	**0.495** (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Benzo(a)pyrene	**0.550** (0.185)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Benzo(b)fluoranthene	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Benzo(g,h,i)perylene	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Benzo(k)fluoranthene	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Benzoic Acid	ND (1.85)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Benzyl Alcohol	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
bis(2-Chloroethoxy)methane	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
bis(2-Chloroethyl)ether	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
bis(2-chloroisopropyl)Ether	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
bis(2-Ethylhexyl)phthalate	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Butylbenzylphthalate	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Carbazole	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Chrysene	**0.435** (0.185)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Dibenzo(a,h)Anthracene	ND (0.185)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Dibenzofuran	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Diethylphthalate	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Dimethylphthalate	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Di-n-butylphthalate	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Di-n-octylphthalate	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Fluoranthene	**0.802** (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Fluorene	**0.369** (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Hexachlorobenzene	ND (0.185)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Hexachlorobutadiene	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Hexachlorocyclopentadiene	ND (1.85)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Hexachloroethane	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Indeno(1,2,3-cd)Pyrene	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Isophorone	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Naphthalene	**0.821** (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-2
Date Sampled: 05/21/21 09:39
Percent Solids: 94
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/21/21 17:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
N-Nitrosodimethylamine	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
N-Nitroso-Di-n-Propylamine	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
N-nitrosodiphenylamine	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Pentachlorophenol	ND (1.85)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Phenanthrene	**0.975** (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Phenol	ND (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Pyrene	**1.30** (0.368)		8270D		1	05/26/21 1:19	D1E0416	DE12123
Pyridine	ND (1.85)		8270D		1	05/26/21 1:19	D1E0416	DE12123

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*86 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*80 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*90 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*91 %*		*30-130*
Surrogate: 2-Fluorophenol	*91 %*		*30-130*
Surrogate: Nitrobenzene-d5	*101 %*		*30-130*
Surrogate: Phenol-d6	*96 %*		*30-130*
Surrogate: p-Terphenyl-d14	*107 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-2
Date Sampled: 05/21/21 09:39
Percent Solids: 94

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-02
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**3.31** (1.03)		9014		1	EEM	05/25/21 12:15	mg/kg dry	DE12512

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-2
Date Sampled: 05/21/21 09:39
Percent Solids: 94
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-02
Sample Matrix: Soil

Analyst: SUB
Prepared: 5/28/21 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**371** (100)		6010		1	SUB	05/28/21 0:00	mg/kg	DE12823

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-3
Date Sampled: 05/21/21 09:55
Percent Solids: 93

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.62)		6010C		1	KJK	05/26/21 17:23	2.05	100	DE12532
Barium	**14.9** (2.62)		6010C		1	KJK	05/26/21 17:23	2.05	100	DE12532
Cadmium	ND (0.52)		6010C		1	KJK	05/26/21 17:23	2.05	100	DE12532
Chromium	**4.48** (1.05)		6010C		1	KJK	05/26/21 17:23	2.05	100	DE12532
Lead	**11.9** (5.24)		6010C		1	KJK	05/26/21 17:23	2.05	100	DE12532
Mercury	ND (0.033)		7471B		1	JRB	05/26/21 15:30	0.64	40	DE12534
Selenium	ND (5.24)		6010C		1	KJK	05/26/21 17:23	2.05	100	DE12532
Silver	ND (0.52)		6010C		1	KJK	05/26/21 17:23	2.05	100	DE12532

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-3
Date Sampled: 05/21/21 09:55
Percent Solids: 93
Initial Volume: 8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1,1,1-Trichloroethane	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1,1,2,2-Tetrachloroethane	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1,1,2-Trichloroethane	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1,1-Dichloroethane	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1,1-Dichloroethene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1,1-Dichloropropene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1,2,3-Trichlorobenzene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1,2,3-Trichloropropane	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1,2,4-Trichlorobenzene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1,2,4-Trimethylbenzene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1,2-Dibromo-3-Chloropropane	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1,2-Dibromoethane	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1,2-Dichlorobenzene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1,2-Dichloroethane	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1,2-Dichloropropane	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1,3,5-Trimethylbenzene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1,3-Dichlorobenzene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1,3-Dichloropropane	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1,4-Dichlorobenzene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1,4-Dioxane	ND (0.0671)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
1-Chlorohexane	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
2,2-Dichloropropane	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
2-Butanone	ND (0.0336)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
2-Chlorotoluene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
2-Hexanone	ND (0.0336)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
4-Chlorotoluene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
4-Isopropyltoluene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
4-Methyl-2-Pentanone	ND (0.0336)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Acetone	ND (0.0336)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Benzene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Bromobenzene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-3
Date Sampled: 05/21/21 09:55
Percent Solids: 93
Initial Volume: 8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Bromodichloromethane	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Bromoform	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Bromomethane	ND (0.0067)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Carbon Disulfide	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Carbon Tetrachloride	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Chlorobenzene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Chloroethane	ND (0.0067)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Chloroform	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Chloromethane	ND (0.0067)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
cis-1,2-Dichloroethene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
cis-1,3-Dichloropropene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Dibromochloromethane	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Dibromomethane	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Dichlorodifluoromethane	ND (0.0067)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Diethyl Ether	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Di-isopropyl ether	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Ethyl tertiary-butyl ether	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Ethylbenzene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Hexachlorobutadiene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Isopropylbenzene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Methyl tert-Butyl Ether	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Methylene Chloride	ND (0.0168)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Naphthalene	**0.0232** (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
n-Butylbenzene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
n-Propylbenzene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
sec-Butylbenzene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Styrene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
tert-Butylbenzene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Tertiary-amyl methyl ether	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Tetrachloroethene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Tetrahydrofuran	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-3
Date Sampled: 05/21/21 09:55
Percent Solids: 93
Initial Volume: 8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
trans-1,2-Dichloroethene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
trans-1,3-Dichloropropene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Trichloroethene	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Trichlorofluoromethane	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Vinyl Acetate	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Vinyl Chloride	ND (0.0067)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Xylene O	ND (0.0034)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Xylene P,M	ND (0.0067)		8260B Low		1	05/25/21 16:59	D1E0434	DE12528
Xylenes (Total)	ND (0.00671)		8260B Low		1	05/25/21 16:59		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*98 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*92 %*		*70-130*
Surrogate: Dibromofluoromethane	*96 %*		*70-130*
Surrogate: Toluene-d8	*94 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-3
Date Sampled: 05/21/21 09:55
Percent Solids: 93
Initial Volume: 20.5
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 5/21/21 19:15

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**257** (39.3)		8100M		1	05/25/21 20:21	D1E0401	DE12147

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*107 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-3
Date Sampled: 05/21/21 09:55
Percent Solids: 93
Initial Volume: 14.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/21/21 17:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
1,2,4-Trichlorobenzene	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
1,2-Dichlorobenzene	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
1,3-Dichlorobenzene	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
1,4-Dichlorobenzene	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
2,3,4,6-Tetrachlorophenol	ND (1.91)		8270D		1	05/26/21 1:50	D1E0416	DE12123
2,4,5-Trichlorophenol	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
2,4,6-Trichlorophenol	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
2,4-Dichlorophenol	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
2,4-Dimethylphenol	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
2,4-Dinitrophenol	ND (1.91)		8270D		1	05/26/21 1:50	D1E0416	DE12123
2,4-Dinitrotoluene	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
2,6-Dinitrotoluene	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
2-Chloronaphthalene	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
2-Chlorophenol	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
2-Methylnaphthalene	**0.773** (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
2-Methylphenol	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
2-Nitroaniline	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
2-Nitrophenol	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
3,3′-Dichlorobenzidine	ND (0.762)		8270D		1	05/26/21 1:50	D1E0416	DE12123
3+4-Methylphenol	ND (0.762)		8270D		1	05/26/21 1:50	D1E0416	DE12123
3-Nitroaniline	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
4,6-Dinitro-2-Methylphenol	ND (1.91)		8270D		1	05/26/21 1:50	D1E0416	DE12123
4-Bromophenyl-phenylether	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
4-Chloro-3-Methylphenol	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
4-Chloroaniline	ND (0.762)		8270D		1	05/26/21 1:50	D1E0416	DE12123
4-Chloro-phenyl-phenyl ether	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
4-Nitroaniline	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
4-Nitrophenol	ND (1.91)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Acenaphthene	**0.579** (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Acenaphthylene	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Acetophenone	ND (0.762)		8270D		1	05/26/21 1:50	D1E0416	DE12123

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-3
Date Sampled: 05/21/21 09:55
Percent Solids: 93
Initial Volume: 14.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/21/21 17:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.762)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Anthracene	**0.620** (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Azobenzene	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Benzo(a)anthracene	**1.17** (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Benzo(a)pyrene	**1.37** (0.191)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Benzo(b)fluoranthene	**0.903** (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Benzo(g,h,i)perylene	**0.807** (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Benzo(k)fluoranthene	**0.908** (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Benzoic Acid	ND (1.91)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Benzyl Alcohol	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
bis(2-Chloroethoxy)methane	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
bis(2-Chloroethyl)ether	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
bis(2-chloroisopropyl)Ether	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
bis(2-Ethylhexyl)phthalate	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Butylbenzylphthalate	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Carbazole	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Chrysene	**0.991** (0.191)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Dibenzo(a,h)Anthracene	**0.243** (0.191)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Dibenzofuran	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Diethylphthalate	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Dimethylphthalate	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Di-n-butylphthalate	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Di-n-octylphthalate	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Fluoranthene	**1.77** (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Fluorene	**0.692** (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Hexachlorobenzene	ND (0.191)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Hexachlorobutadiene	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Hexachlorocyclopentadiene	ND (1.91)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Hexachloroethane	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Indeno(1,2,3-cd)Pyrene	**0.943** (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Isophorone	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Naphthalene	**1.61** (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-3
Date Sampled: 05/21/21 09:55
Percent Solids: 93
Initial Volume: 14.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/21/21 17:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
N-Nitrosodimethylamine	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
N-Nitroso-Di-n-Propylamine	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
N-nitrosodiphenylamine	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Pentachlorophenol	ND (1.91)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Phenanthrene	**2.17** (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Phenol	ND (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Pyrene	**2.42** (0.380)		8270D		1	05/26/21 1:50	D1E0416	DE12123
Pyridine	ND (1.91)		8270D		1	05/26/21 1:50	D1E0416	DE12123

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*73 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*73 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*79 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*83 %*		*30-130*
Surrogate: 2-Fluorophenol	*77 %*		*30-130*
Surrogate: Nitrobenzene-d5	*89 %*		*30-130*
Surrogate: Phenol-d6	*83 %*		*30-130*
Surrogate: p-Terphenyl-d14	*96 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-3
Date Sampled: 05/21/21 09:55
Percent Solids: 93

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-03
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**6.18** (1.02)		9014		1	EEM	05/25/21 12:15	mg/kg dry	DE12512

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-3
Date Sampled: 05/21/21 09:55
Percent Solids: 93
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-03
Sample Matrix: Soil

Analyst: SUB
Prepared: 5/28/21 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**321** (100)		6010		1	SUB	05/28/21 0:00	mg/kg	DE12823

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-4
Date Sampled: 05/21/21 10:02
Percent Solids: 93

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.58)		6010C		1	KJK	05/26/21 17:25	2.09	100	DE12532
Barium	**13.6** (2.58)		6010C		1	KJK	05/26/21 17:25	2.09	100	DE12532
Cadmium	ND (0.52)		6010C		1	KJK	05/26/21 17:25	2.09	100	DE12532
Chromium	**3.78** (1.03)		6010C		1	KJK	05/26/21 17:25	2.09	100	DE12532
Lead	**11.6** (5.15)		6010C		1	KJK	05/26/21 17:25	2.09	100	DE12532
Mercury	ND (0.032)		7471B		1	JRB	05/26/21 15:32	0.66	40	DE12534
Selenium	ND (5.15)		6010C		1	KJK	05/26/21 17:25	2.09	100	DE12532
Silver	ND (0.52)		6010C		1	KJK	05/26/21 17:25	2.09	100	DE12532

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-4
Date Sampled: 05/21/21 10:02
Percent Solids: 93
Initial Volume: 7.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1,1,1-Trichloroethane	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1,1,2,2-Tetrachloroethane	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1,1,2-Trichloroethane	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1,1-Dichloroethane	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1,1-Dichloroethene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1,1-Dichloropropene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1,2,3-Trichlorobenzene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1,2,3-Trichloropropane	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1,2,4-Trichlorobenzene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1,2,4-Trimethylbenzene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1,2-Dibromo-3-Chloropropane	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1,2-Dibromoethane	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1,2-Dichlorobenzene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1,2-Dichloroethane	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1,2-Dichloropropane	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1,3,5-Trimethylbenzene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1,3-Dichlorobenzene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1,3-Dichloropropane	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1,4-Dichlorobenzene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1,4-Dioxane	ND (0.0681)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
1-Chlorohexane	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
2,2-Dichloropropane	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
2-Butanone	ND (0.0341)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
2-Chlorotoluene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
2-Hexanone	ND (0.0341)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
4-Chlorotoluene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
4-Isopropyltoluene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
4-Methyl-2-Pentanone	ND (0.0341)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Acetone	ND (0.0341)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Benzene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Bromobenzene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-4
Date Sampled: 05/21/21 10:02
Percent Solids: 93
Initial Volume: 7.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Bromodichloromethane	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Bromoform	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Bromomethane	ND (0.0068)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Carbon Disulfide	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Carbon Tetrachloride	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Chlorobenzene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Chloroethane	ND (0.0068)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Chloroform	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Chloromethane	ND (0.0068)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
cis-1,2-Dichloroethene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
cis-1,3-Dichloropropene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Dibromochloromethane	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Dibromomethane	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Dichlorodifluoromethane	ND (0.0068)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Diethyl Ether	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Di-isopropyl ether	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Ethyl tertiary-butyl ether	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Ethylbenzene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Hexachlorobutadiene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Isopropylbenzene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Methyl tert-Butyl Ether	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Methylene Chloride	ND (0.0170)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Naphthalene	**0.0318** (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
n-Butylbenzene	**0.0049** (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
n-Propylbenzene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
sec-Butylbenzene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Styrene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
tert-Butylbenzene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Tertiary-amyl methyl ether	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Tetrachloroethene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Tetrahydrofuran	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-4
Date Sampled: 05/21/21 10:02
Percent Solids: 93
Initial Volume: 7.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
trans-1,2-Dichloroethene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
trans-1,3-Dichloropropene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Trichloroethene	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Trichlorofluoromethane	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Vinyl Acetate	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Vinyl Chloride	ND (0.0068)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Xylene O	ND (0.0034)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Xylene P,M	ND (0.0068)		8260B Low		1	05/25/21 16:33	D1E0434	DE12528
Xylenes (Total)	ND (0.00681)		8260B Low		1	05/25/21 16:33		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*109 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*92 %*		*70-130*
Surrogate: Dibromofluoromethane	*104 %*		*70-130*
Surrogate: Toluene-d8	*95 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-4
Date Sampled: 05/21/21 10:02
Percent Solids: 93
Initial Volume: 20.4
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 5/21/21 19:15

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**391** (39.6)		8100M		1	05/25/21 20:54	D1E0401	DE12147

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*112 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-4
Date Sampled: 05/21/21 10:02
Percent Solids: 93
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/21/21 17:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
1,2,4-Trichlorobenzene	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
1,2-Dichlorobenzene	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
1,3-Dichlorobenzene	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
1,4-Dichlorobenzene	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
2,3,4,6-Tetrachlorophenol	ND (1.79)		8270D		1	05/26/21 2:20	D1E0416	DE12123
2,4,5-Trichlorophenol	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
2,4,6-Trichlorophenol	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
2,4-Dichlorophenol	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
2,4-Dimethylphenol	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
2,4-Dinitrophenol	ND (1.79)		8270D		1	05/26/21 2:20	D1E0416	DE12123
2,4-Dinitrotoluene	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
2,6-Dinitrotoluene	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
2-Chloronaphthalene	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
2-Chlorophenol	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
2-Methylnaphthalene	**0.721** (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
2-Methylphenol	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
2-Nitroaniline	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
2-Nitrophenol	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
3,3′-Dichlorobenzidine	ND (0.713)		8270D		1	05/26/21 2:20	D1E0416	DE12123
3+4-Methylphenol	ND (0.713)		8270D		1	05/26/21 2:20	D1E0416	DE12123
3-Nitroaniline	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
4,6-Dinitro-2-Methylphenol	ND (1.79)		8270D		1	05/26/21 2:20	D1E0416	DE12123
4-Bromophenyl-phenylether	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
4-Chloro-3-Methylphenol	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
4-Chloroaniline	ND (0.713)		8270D		1	05/26/21 2:20	D1E0416	DE12123
4-Chloro-phenyl-phenyl ether	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
4-Nitroaniline	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
4-Nitrophenol	ND (1.79)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Acenaphthene	**0.612** (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Acenaphthylene	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Acetophenone	ND (0.713)		8270D		1	05/26/21 2:20	D1E0416	DE12123

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-4
Date Sampled: 05/21/21 10:02
Percent Solids: 93
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/21/21 17:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.713)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Anthracene	**0.880** (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Azobenzene	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Benzo(a)anthracene	**1.72** (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Benzo(a)pyrene	**1.91** (0.179)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Benzo(b)fluoranthene	**1.31** (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Benzo(g,h,i)perylene	**1.06** (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Benzo(k)fluoranthene	**1.31** (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Benzoic Acid	ND (1.79)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Benzyl Alcohol	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
bis(2-Chloroethoxy)methane	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
bis(2-Chloroethyl)ether	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
bis(2-chloroisopropyl)Ether	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
bis(2-Ethylhexyl)phthalate	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Butylbenzylphthalate	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Carbazole	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Chrysene	**1.42** (0.179)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Dibenzo(a,h)Anthracene	**0.314** (0.179)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Dibenzofuran	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Diethylphthalate	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Dimethylphthalate	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Di-n-butylphthalate	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Di-n-octylphthalate	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Fluoranthene	**2.70** (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Fluorene	**0.722** (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Hexachlorobenzene	ND (0.179)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Hexachlorobutadiene	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Hexachlorocyclopentadiene	ND (1.79)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Hexachloroethane	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Indeno(1,2,3-cd)Pyrene	**1.30** (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Isophorone	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Naphthalene	**1.34** (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-4
Date Sampled: 05/21/21 10:02
Percent Solids: 93
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 5/21/21 17:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
N-Nitrosodimethylamine	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
N-Nitroso-Di-n-Propylamine	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
N-nitrosodiphenylamine	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Pentachlorophenol	ND (1.79)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Phenanthrene	**2.68** (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Phenol	ND (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Pyrene	**3.13** (0.356)		8270D		1	05/26/21 2:20	D1E0416	DE12123
Pyridine	ND (1.79)		8270D		1	05/26/21 2:20	D1E0416	DE12123

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*88 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*85 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*95 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*96 %*		*30-130*
Surrogate: 2-Fluorophenol	*93 %*		*30-130*
Surrogate: Nitrobenzene-d5	*102 %*		*30-130*
Surrogate: Phenol-d6	*99 %*		*30-130*
Surrogate: p-Terphenyl-d14	*113 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-4
Date Sampled: 05/21/21 10:02
Percent Solids: 93

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-04
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**2.40** (1.02)		9014		1	EEM	05/25/21 12:15	mg/kg dry	DE12512

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP052121-4
Date Sampled: 05/21/21 10:02
Percent Solids: 93
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 21E0742
ESS Laboratory Sample ID: 21E0742-04
Sample Matrix: Soil

Analyst: SUB
Prepared: 5/28/21 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**334** (100)		6010		1	SUB	05/28/21 0:00	mg/kg	DE12823

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0742

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DE12532 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
Barium	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
LCS										
Arsenic	232	8.06	mg/kg wet	281.0		83	80-120			
Barium	517	8.06	mg/kg wet	595.0		87	80-120			
Cadmium	232	1.61	mg/kg wet	276.0		84	80-120			
Chromium	231	3.23	mg/kg wet	277.0		83	80-120			
Lead	194	16.1	mg/kg wet	228.0		85	80-120			
Selenium	152	16.1	mg/kg wet	178.0		86	80-120			
Silver	36.2	1.61	mg/kg wet	44.40		81	80-120			
LCS Dup										
Arsenic	240	8.33	mg/kg wet	281.0		85	80-120	3	20	
Barium	519	8.33	mg/kg wet	595.0		87	80-120	0.4	20	
Cadmium	241	1.67	mg/kg wet	276.0		87	80-120	4	20	
Chromium	239	3.33	mg/kg wet	277.0		86	80-120	4	20	
Lead	200	16.7	mg/kg wet	228.0		88	80-120	3	20	
Selenium	158	16.7	mg/kg wet	178.0		89	80-120	4	20	
Silver	37.8	1.67	mg/kg wet	44.40		85	80-120	4	20	
Batch DE12534 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	17.0	2.96	mg/kg wet	21.60		79	68-122			
LCS Dup										
Mercury	19.6	3.09	mg/kg wet	21.60		91	68-122	14	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch DE12528 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0742

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DE12528 - 5035										
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0742

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DE12528 - 5035										
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0561*		mg/kg wet	*0.05000*		*112*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0485*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0521*		mg/kg wet	*0.05000*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.0481*		mg/kg wet	*0.05000*		*96*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
1,1,1-Trichloroethane	0.0530	0.0050	mg/kg wet	0.05000		106	70-130			
1,1,2,2-Tetrachloroethane	0.0484	0.0050	mg/kg wet	0.05000		97	70-130			
1,1,2-Trichloroethane	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
1,1-Dichloroethane	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
1,1-Dichloroethene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130			
1,1-Dichloropropene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
1,2,3-Trichlorobenzene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			
1,2,3-Trichloropropane	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
1,2,4-Trichlorobenzene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
1,2,4-Trimethylbenzene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
1,2-Dibromo-3-Chloropropane	0.0453	0.0050	mg/kg wet	0.05000		91	70-130			
1,2-Dibromoethane	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
1,2-Dichlorobenzene	0.0472	0.0050	mg/kg wet	0.05000		94	70-130			
1,2-Dichloroethane	0.0529	0.0050	mg/kg wet	0.05000		106	70-130			
1,2-Dichloropropane	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
1,3,5-Trimethylbenzene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
1,3-Dichlorobenzene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
1,3-Dichloropropane	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
1,4-Dichlorobenzene	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0742

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DE12528 - 5035										
1,4-Dioxane	0.984	0.100	mg/kg wet	1.000		98	70-130			
1-Chlorohexane	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
2,2-Dichloropropane	0.0566	0.0050	mg/kg wet	0.05000		113	70-130			
2-Butanone	0.292	0.0500	mg/kg wet	0.2500		117	70-130			
2-Chlorotoluene	0.0469	0.0050	mg/kg wet	0.05000		94	70-130			
2-Hexanone	0.288	0.0500	mg/kg wet	0.2500		115	70-130			
4-Chlorotoluene	0.0468	0.0050	mg/kg wet	0.05000		94	70-130			
4-Isopropyltoluene	0.0483	0.0050	mg/kg wet	0.05000		97	70-130			
4-Methyl-2-Pentanone	0.260	0.0500	mg/kg wet	0.2500		104	70-130			
Acetone	0.374	0.0500	mg/kg wet	0.2500		149	70-130			B+
Benzene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
Bromobenzene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
Bromochloromethane	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
Bromodichloromethane	0.0557	0.0050	mg/kg wet	0.05000		111	70-130			
Bromoform	0.0454	0.0050	mg/kg wet	0.05000		91	70-130			
Bromomethane	0.0493	0.0100	mg/kg wet	0.05000		99	70-130			
Carbon Disulfide	0.0532	0.0050	mg/kg wet	0.05000		106	70-130			
Carbon Tetrachloride	0.0556	0.0050	mg/kg wet	0.05000		111	70-130			
Chlorobenzene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
Chloroethane	0.0457	0.0100	mg/kg wet	0.05000		91	70-130			
Chloroform	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
Chloromethane	0.0487	0.0100	mg/kg wet	0.05000		97	70-130			
cis-1,2-Dichloroethene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
cis-1,3-Dichloropropene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
Dibromochloromethane	0.0495	0.0050	mg/kg wet	0.05000		99	70-130			
Dibromomethane	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
Dichlorodifluoromethane	0.0481	0.0100	mg/kg wet	0.05000		96	70-130			
Diethyl Ether	0.0525	0.0050	mg/kg wet	0.05000		105	70-130			
Di-isopropyl ether	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
Ethyl tertiary-butyl ether	0.0487	0.0050	mg/kg wet	0.05000		97	70-130			
Ethylbenzene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
Hexachlorobutadiene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
Isopropylbenzene	0.0464	0.0050	mg/kg wet	0.05000		93	70-130			
Methyl tert-Butyl Ether	0.0521	0.0050	mg/kg wet	0.05000		104	70-130			
Methylene Chloride	0.0515	0.0250	mg/kg wet	0.05000		103	70-130			
Naphthalene	0.0439	0.0050	mg/kg wet	0.05000		88	70-130			
n-Butylbenzene	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
n-Propylbenzene	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
sec-Butylbenzene	0.0463	0.0050	mg/kg wet	0.05000		93	70-130			
Styrene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130			
tert-Butylbenzene	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
Tertiary-amyl methyl ether	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
Tetrachloroethene	0.0510	0.0050	mg/kg wet	0.05000		102	70-130			
Tetrahydrofuran	0.0482	0.0050	mg/kg wet	0.05000		96	70-130			
Toluene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0742

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DE12528 - 5035										
trans-1,2-Dichloroethene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
trans-1,3-Dichloropropene	0.0479	0.0050	mg/kg wet	0.05000		96	70-130			
Trichloroethene	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
Trichlorofluoromethane	0.0546	0.0050	mg/kg wet	0.05000		109	70-130			
Vinyl Acetate	0.0453	0.0050	mg/kg wet	0.05000		91	70-130			
Vinyl Chloride	0.0542	0.0100	mg/kg wet	0.05000		108	70-130			
Xylene O	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
Xylene P,M	0.108	0.0100	mg/kg wet	0.1000		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0525*		mg/kg wet	*0.05000*		*105*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0515*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0517*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.0486*		mg/kg wet	*0.05000*		*97*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	2	25	
1,1,1-Trichloroethane	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	0.8	25	
1,1,2,2-Tetrachloroethane	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	7	25	
1,1,2-Trichloroethane	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	2	25	
1,1-Dichloroethane	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	1	25	
1,1-Dichloroethene	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	2	25	
1,1-Dichloropropene	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	0.6	25	
1,2,3-Trichlorobenzene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	7	25	
1,2,3-Trichloropropane	0.0488	0.0050	mg/kg wet	0.05000		98	70-130	6	25	
1,2,4-Trichlorobenzene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	7	25	
1,2,4-Trimethylbenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	3	25	
1,2-Dibromo-3-Chloropropane	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	6	25	
1,2-Dibromoethane	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	2	25	
1,2-Dichlorobenzene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	4	25	
1,2-Dichloroethane	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	0.8	25	
1,2-Dichloropropane	0.0511	0.0050	mg/kg wet	0.05000		102	70-130	4	25	
1,3,5-Trimethylbenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	3	25	
1,3-Dichlorobenzene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	2	25	
1,3-Dichloropropane	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	2	25	
1,4-Dichlorobenzene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	4	25	
1,4-Dioxane	1.01	0.100	mg/kg wet	1.000		101	70-130	3	20	
1-Chlorohexane	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	2	25	
2,2-Dichloropropane	0.0566	0.0050	mg/kg wet	0.05000		113	70-130	0.07	25	
2-Butanone	0.272	0.0500	mg/kg wet	0.2500		109	70-130	7	25	
2-Chlorotoluene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	3	25	
2-Hexanone	0.253	0.0500	mg/kg wet	0.2500		101	70-130	13	25	
4-Chlorotoluene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130	5	25	
4-Isopropyltoluene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130	2	25	
4-Methyl-2-Pentanone	0.258	0.0500	mg/kg wet	0.2500		103	70-130	0.5	25	
Acetone	0.303	0.0500	mg/kg wet	0.2500		121	70-130	21	25	
Benzene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	2	25	
Bromobenzene	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	3	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0742

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DE12528 - 5035										
Bromochloromethane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	3	25	
Bromodichloromethane	0.0563	0.0050	mg/kg wet	0.05000		113	70-130	1	25	
Bromoform	0.0469	0.0050	mg/kg wet	0.05000		94	70-130	3	25	
Bromomethane	0.0488	0.0100	mg/kg wet	0.05000		98	70-130	1	25	
Carbon Disulfide	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	2	25	
Carbon Tetrachloride	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	0.5	25	
Chlorobenzene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130	1	25	
Chloroethane	0.0516	0.0100	mg/kg wet	0.05000		103	70-130	12	25	
Chloroform	0.0520	0.0050	mg/kg wet	0.05000		104	70-130	1	25	
Chloromethane	0.0481	0.0100	mg/kg wet	0.05000		96	70-130	1	25	
cis-1,2-Dichloroethene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	2	25	
cis-1,3-Dichloropropene	0.0568	0.0050	mg/kg wet	0.05000		114	70-130	4	25	
Dibromochloromethane	0.0500	0.0050	mg/kg wet	0.05000		100	70-130	1	25	
Dibromomethane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	0.2	25	
Dichlorodifluoromethane	0.0462	0.0100	mg/kg wet	0.05000		92	70-130	4	25	
Diethyl Ether	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	2	25	
Di-isopropyl ether	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
Ethyl tertiary-butyl ether	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	2	25	
Ethylbenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	1	25	
Hexachlorobutadiene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	4	25	
Isopropylbenzene	0.0480	0.0050	mg/kg wet	0.05000		96	70-130	4	25	
Methyl tert-Butyl Ether	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	2	25	
Methylene Chloride	0.0526	0.0250	mg/kg wet	0.05000		105	70-130	2	25	
Naphthalene	0.0479	0.0050	mg/kg wet	0.05000		96	70-130	9	25	
n-Butylbenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	2	25	
n-Propylbenzene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130	3	25	
sec-Butylbenzene	0.0478	0.0050	mg/kg wet	0.05000		96	70-130	3	25	
Styrene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130	1	25	
tert-Butylbenzene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130	3	25	
Tertiary-amyl methyl ether	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	4	25	
Tetrachloroethene	0.0460	0.0050	mg/kg wet	0.05000		92	70-130	10	25	
Tetrahydrofuran	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	4	25	
Toluene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	1	25	
trans-1,2-Dichloroethene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	1	25	
trans-1,3-Dichloropropene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130	3	25	
Trichloroethene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	0.7	25	
Trichlorofluoromethane	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	2	25	
Vinyl Acetate	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	9	25	
Vinyl Chloride	0.0534	0.0100	mg/kg wet	0.05000		107	70-130	2	25	
Xylene O	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	2	25	
Xylene P,M	0.108	0.0100	mg/kg wet	0.1000		108	70-130	0.5	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0504*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0504*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0512*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.0477*		mg/kg wet	*0.05000*		*95*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0742

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DE12147 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.91*		mg/kg wet	*5.000*		*98*	*40-140*			
LCS										
Decane (C10)	2.2	0.2	mg/kg wet	2.500		86	40-140			
Docosane (C22)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Dodecane (C12)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Nonadecane (C19)	2.3	0.2	mg/kg wet	2.500		94	40-140			
Nonane (C9)	1.9	0.2	mg/kg wet	2.500		76	30-140			
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Octadecane (C18)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Tetracosane (C24)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Tetradecane (C14)	2.3	0.2	mg/kg wet	2.500		90	40-140			
Total Petroleum Hydrocarbons	32.6	37.5	mg/kg wet	35.00		93	40-140			
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		90	40-140			
Surrogate: O-Terphenyl	*4.92*		mg/kg wet	*5.000*		*98*	*40-140*			
LCS Dup										
Decane (C10)	2.1	0.2	mg/kg wet	2.500		84	40-140	3	25	
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		90	40-140	1	25	
Dodecane (C12)	2.2	0.2	mg/kg wet	2.500		87	40-140	3	25	
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		91	40-140	1	25	
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		91	40-140	1	25	
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		90	40-140	2	25	
Nonadecane (C19)	2.3	0.2	mg/kg wet	2.500		93	40-140	1	25	
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		74	30-140	3	25	
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		91	40-140	1	25	
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		90	40-140	1	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0742

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DE12147 - 3546										
Tetracosane (C24)	2.3	0.2	mg/kg wet	2.500		91	40-140	1	25	
Tetradecane (C14)	2.2	0.2	mg/kg wet	2.500		88	40-140	3	25	
Total Petroleum Hydrocarbons	32.0	37.5	mg/kg wet	35.00		92	40-140	2	25	
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		89	40-140	1	25	
Surrogate: O-Terphenyl	*4.71*		mg/kg wet	*5.000*		*94*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DE12123 - 3546										
Blank										
1,1-Biphenyl	ND	0.167	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.167	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.167	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0742

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DE12123 - 3546										
Benzo(a)anthracene	ND	0.167	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.167	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.167	mg/kg wet							
Benzo(k)fluoranthene	ND	0.167	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.167	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.167	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.167	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	0.667	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.20*		mg/kg wet	*3.333*		*66*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.47*		mg/kg wet	*5.000*		*89*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.50*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.26*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: 2-Fluorophenol	*3.66*		mg/kg wet	*5.000*		*73*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.34*		mg/kg wet	*3.333*		*70*	*30-130*			
Surrogate: Phenol-d6	*3.74*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.84*		mg/kg wet	*3.333*		*85*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0742

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DE12123 - 3546										
LCS										
1,1-Biphenyl	1.98	0.167	mg/kg wet	3.333		59	40-140			
1,2,4-Trichlorobenzene	1.81	0.333	mg/kg wet	3.333		54	40-140			
1,2-Dichlorobenzene	1.84	0.333	mg/kg wet	3.333		55	40-140			
1,3-Dichlorobenzene	1.88	0.333	mg/kg wet	3.333		56	40-140			
1,4-Dichlorobenzene	1.91	0.333	mg/kg wet	3.333		57	40-140			
2,3,4,6-Tetrachlorophenol	2.75	1.67	mg/kg wet	3.333		83	30-130			
2,4,5-Trichlorophenol	2.50	0.333	mg/kg wet	3.333		75	30-130			
2,4,6-Trichlorophenol	2.40	0.333	mg/kg wet	3.333		72	30-130			
2,4-Dichlorophenol	2.20	0.333	mg/kg wet	3.333		66	30-130			
2,4-Dimethylphenol	2.20	0.333	mg/kg wet	3.333		66	30-130			
2,4-Dinitrophenol	2.17	1.67	mg/kg wet	3.333		65	30-130			
2,4-Dinitrotoluene	2.98	0.167	mg/kg wet	3.333		90	40-140			
2,6-Dinitrotoluene	2.54	0.333	mg/kg wet	3.333		76	40-140			
2-Chloronaphthalene	1.94	0.333	mg/kg wet	3.333		58	40-140			
2-Chlorophenol	2.03	0.333	mg/kg wet	3.333		61	30-130			
2-Methylnaphthalene	1.95	0.333	mg/kg wet	3.333		58	40-140			
2-Methylphenol	2.15	0.333	mg/kg wet	3.333		65	30-130			
2-Nitroaniline	2.52	0.333	mg/kg wet	3.333		76	40-140			
2-Nitrophenol	1.95	0.333	mg/kg wet	3.333		59	30-130			
3,3´-Dichlorobenzidine	2.76	0.167	mg/kg wet	3.333		83	40-140			
3+4-Methylphenol	4.58	0.667	mg/kg wet	6.667		69	30-130			
3-Nitroaniline	2.47	0.333	mg/kg wet	3.333		74	40-140			
4,6-Dinitro-2-Methylphenol	2.55	1.67	mg/kg wet	3.333		76	30-130			
4-Bromophenyl-phenylether	2.41	0.333	mg/kg wet	3.333		72	40-140			
4-Chloro-3-Methylphenol	2.57	0.333	mg/kg wet	3.333		77	30-130			
4-Chloroaniline	1.68	0.667	mg/kg wet	3.333		50	40-140			
4-Chloro-phenyl-phenyl ether	2.39	0.333	mg/kg wet	3.333		72	40-140			
4-Nitroaniline	2.66	0.333	mg/kg wet	3.333		80	40-140			
4-Nitrophenol	2.91	1.67	mg/kg wet	3.333		87	30-130			
Acenaphthene	2.07	0.333	mg/kg wet	3.333		62	40-140			
Acenaphthylene	2.00	0.333	mg/kg wet	3.333		60	40-140			
Acetophenone	2.21	0.667	mg/kg wet	3.333		66	40-140			
Aniline	1.78	0.667	mg/kg wet	3.333		53	40-140			
Anthracene	2.63	0.333	mg/kg wet	3.333		79	40-140			
Azobenzene	2.50	0.333	mg/kg wet	3.333		75	40-140			
Benzo(a)anthracene	2.82	0.167	mg/kg wet	3.333		85	40-140			
Benzo(a)pyrene	2.98	0.167	mg/kg wet	3.333		89	40-140			
Benzo(b)fluoranthene	2.81	0.167	mg/kg wet	3.333		84	40-140			
Benzo(g,h,i)perylene	2.88	0.167	mg/kg wet	3.333		86	40-140			
Benzo(k)fluoranthene	2.71	0.167	mg/kg wet	3.333		81	40-140			
Benzoic Acid	1.90	1.67	mg/kg wet	3.333		57	40-140			
Benzyl Alcohol	1.94	0.333	mg/kg wet	3.333		58	40-140			
bis(2-Chloroethoxy)methane	1.97	0.333	mg/kg wet	3.333		59	40-140			
bis(2-Chloroethyl)ether	1.98	0.167	mg/kg wet	3.333		60	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0742

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DE12123 - 3546										
bis(2-chloroisopropyl)Ether	1.98	0.333	mg/kg wet	3.333		59	40-140			
bis(2-Ethylhexyl)phthalate	2.50	0.333	mg/kg wet	3.333		75	40-140			
Butylbenzylphthalate	2.51	0.333	mg/kg wet	3.333		75	40-140			
Carbazole	2.83	0.333	mg/kg wet	3.333		85	40-140			
Chrysene	2.74	0.167	mg/kg wet	3.333		82	40-140			
Dibenzo(a,h)Anthracene	3.04	0.167	mg/kg wet	3.333		91	40-140			
Dibenzofuran	2.29	0.333	mg/kg wet	3.333		69	40-140			
Diethylphthalate	2.70	0.333	mg/kg wet	3.333		81	40-140			
Dimethylphthalate	2.50	0.333	mg/kg wet	3.333		75	40-140			
Di-n-butylphthalate	2.62	0.333	mg/kg wet	3.333		79	40-140			
Di-n-octylphthalate	2.57	0.333	mg/kg wet	3.333		77	40-140			
Fluoranthene	2.94	0.333	mg/kg wet	3.333		88	40-140			
Fluorene	2.48	0.333	mg/kg wet	3.333		74	40-140			
Hexachlorobenzene	2.69	0.167	mg/kg wet	3.333		81	40-140			
Hexachlorobutadiene	1.87	0.333	mg/kg wet	3.333		56	40-140			
Hexachlorocyclopentadiene	1.34	1.67	mg/kg wet	3.333		40	40-140			
Hexachloroethane	1.87	0.333	mg/kg wet	3.333		56	40-140			
Indeno(1,2,3-cd)Pyrene	3.10	0.167	mg/kg wet	3.333		93	40-140			
Isophorone	1.83	0.333	mg/kg wet	3.333		55	40-140			
Naphthalene	1.90	0.333	mg/kg wet	3.333		57	40-140			
Nitrobenzene	2.12	0.333	mg/kg wet	3.333		64	40-140			
N-Nitrosodimethylamine	2.08	0.333	mg/kg wet	3.333		62	40-140			
N-Nitroso-Di-n-Propylamine	2.32	0.333	mg/kg wet	3.333		69	40-140			
N-nitrosodiphenylamine	2.74	0.333	mg/kg wet	3.333		82	40-140			
Pentachlorophenol	2.57	0.667	mg/kg wet	3.333		77	30-130			
Phenanthrene	2.53	0.333	mg/kg wet	3.333		76	40-140			
Phenol	2.24	0.333	mg/kg wet	3.333		67	30-130			
Pyrene	2.62	0.333	mg/kg wet	3.333		79	40-140			
Pyridine	1.64	1.67	mg/kg wet	3.333		49	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.20*		mg/kg wet	*3.333*		*66*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.72*		mg/kg wet	*5.000*		*94*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.48*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.30*		mg/kg wet	*3.333*		*69*	*30-130*			
Surrogate: 2-Fluorophenol	*3.56*		mg/kg wet	*5.000*		*71*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.25*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: Phenol-d6	*3.66*		mg/kg wet	*5.000*		*73*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.09*		mg/kg wet	*3.333*		*93*	*30-130*			
LCS Dup										
1,1-Biphenyl	1.86	0.167	mg/kg wet	3.333		56	40-140	6	30	
1,2,4-Trichlorobenzene	1.77	0.333	mg/kg wet	3.333		53	40-140	2	30	
1,2-Dichlorobenzene	1.92	0.333	mg/kg wet	3.333		58	40-140	4	30	
1,3-Dichlorobenzene	1.98	0.333	mg/kg wet	3.333		60	40-140	5	30	
1,4-Dichlorobenzene	1.99	0.333	mg/kg wet	3.333		60	40-140	4	30	
2,3,4,6-Tetrachlorophenol	2.67	1.67	mg/kg wet	3.333		80	30-130	3	30	
2,4,5-Trichlorophenol	2.41	0.333	mg/kg wet	3.333		72	30-130	4	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0742

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DE12123 - 3546										
2,4,6-Trichlorophenol	2.26	0.333	mg/kg wet	3.333		68	30-130	6	30	
2,4-Dichlorophenol	2.18	0.333	mg/kg wet	3.333		65	30-130	1	30	
2,4-Dimethylphenol	2.14	0.333	mg/kg wet	3.333		64	30-130	3	30	
2,4-Dinitrophenol	2.31	1.67	mg/kg wet	3.333		69	30-130	7	30	
2,4-Dinitrotoluene	2.86	0.167	mg/kg wet	3.333		86	40-140	4	30	
2,6-Dinitrotoluene	2.45	0.333	mg/kg wet	3.333		73	40-140	4	30	
2-Chloronaphthalene	1.80	0.333	mg/kg wet	3.333		54	40-140	8	30	
2-Chlorophenol	2.09	0.333	mg/kg wet	3.333		63	30-130	3	30	
2-Methylnaphthalene	1.90	0.333	mg/kg wet	3.333		57	40-140	2	30	
2-Methylphenol	2.26	0.333	mg/kg wet	3.333		68	30-130	5	30	
2-Nitroaniline	2.43	0.333	mg/kg wet	3.333		73	40-140	4	30	
2-Nitrophenol	1.84	0.333	mg/kg wet	3.333		55	30-130	6	30	
3,3´-Dichlorobenzidine	2.67	0.167	mg/kg wet	3.333		80	40-140	4	30	
3+4-Methylphenol	4.85	0.667	mg/kg wet	6.667		73	30-130	6	30	
3-Nitroaniline	2.39	0.333	mg/kg wet	3.333		72	40-140	4	30	
4,6-Dinitro-2-Methylphenol	2.62	1.67	mg/kg wet	3.333		79	30-130	3	30	
4-Bromophenyl-phenylether	2.35	0.333	mg/kg wet	3.333		71	40-140	2	30	
4-Chloro-3-Methylphenol	2.56	0.333	mg/kg wet	3.333		77	30-130	0.1	30	
4-Chloroaniline	1.59	0.667	mg/kg wet	3.333		48	40-140	6	30	
4-Chloro-phenyl-phenyl ether	2.26	0.333	mg/kg wet	3.333		68	40-140	5	30	
4-Nitroaniline	2.57	0.333	mg/kg wet	3.333		77	40-140	3	30	
4-Nitrophenol	2.85	1.67	mg/kg wet	3.333		85	30-130	2	30	
Acenaphthene	1.95	0.333	mg/kg wet	3.333		59	40-140	6	30	
Acenaphthylene	1.90	0.333	mg/kg wet	3.333		57	40-140	5	30	
Acetophenone	2.30	0.667	mg/kg wet	3.333		69	40-140	4	30	
Aniline	1.81	0.667	mg/kg wet	3.333		54	40-140	2	30	
Anthracene	2.57	0.333	mg/kg wet	3.333		77	40-140	3	30	
Azobenzene	2.44	0.333	mg/kg wet	3.333		73	40-140	2	30	
Benzo(a)anthracene	2.74	0.167	mg/kg wet	3.333		82	40-140	3	30	
Benzo(a)pyrene	2.92	0.167	mg/kg wet	3.333		88	40-140	2	30	
Benzo(b)fluoranthene	2.69	0.167	mg/kg wet	3.333		81	40-140	4	30	
Benzo(g,h,i)perylene	2.83	0.167	mg/kg wet	3.333		85	40-140	2	30	
Benzo(k)fluoranthene	2.78	0.167	mg/kg wet	3.333		84	40-140	3	30	
Benzoic Acid	2.10	1.67	mg/kg wet	3.333		63	40-140	10	30	
Benzyl Alcohol	1.97	0.333	mg/kg wet	3.333		59	40-140	1	30	
bis(2-Chloroethoxy)methane	1.90	0.333	mg/kg wet	3.333		57	40-140	4	30	
bis(2-Chloroethyl)ether	2.05	0.167	mg/kg wet	3.333		61	40-140	3	30	
bis(2-chloroisopropyl)Ether	2.01	0.333	mg/kg wet	3.333		60	40-140	1	30	
bis(2-Ethylhexyl)phthalate	2.44	0.333	mg/kg wet	3.333		73	40-140	2	30	
Butylbenzylphthalate	2.45	0.333	mg/kg wet	3.333		73	40-140	3	30	
Carbazole	2.79	0.333	mg/kg wet	3.333		84	40-140	1	30	
Chrysene	2.68	0.167	mg/kg wet	3.333		80	40-140	2	30	
Dibenzo(a,h)Anthracene	2.90	0.167	mg/kg wet	3.333		87	40-140	5	30	
Dibenzofuran	2.15	0.333	mg/kg wet	3.333		65	40-140	6	30	
Diethylphthalate	2.63	0.333	mg/kg wet	3.333		79	40-140	2	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0742

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DE12123 - 3546										
Dimethylphthalate	2.40	0.333	mg/kg wet	3.333		72	40-140	4	30	
Di-n-butylphthalate	2.59	0.333	mg/kg wet	3.333		78	40-140	1	30	
Di-n-octylphthalate	2.58	0.333	mg/kg wet	3.333		77	40-140	0.2	30	
Fluoranthene	2.89	0.333	mg/kg wet	3.333		87	40-140	2	30	
Fluorene	2.38	0.333	mg/kg wet	3.333		71	40-140	4	30	
Hexachlorobenzene	2.62	0.167	mg/kg wet	3.333		79	40-140	3	30	
Hexachlorobutadiene	1.77	0.333	mg/kg wet	3.333		53	40-140	6	30	
Hexachlorocyclopentadiene	1.21	1.67	mg/kg wet	3.333		36	40-140	10	30	B-
Hexachloroethane	1.91	0.333	mg/kg wet	3.333		57	40-140	2	30	
Indeno(1,2,3-cd)Pyrene	3.08	0.167	mg/kg wet	3.333		92	40-140	0.5	30	
Isophorone	1.80	0.333	mg/kg wet	3.333		54	40-140	1	30	
Naphthalene	1.80	0.333	mg/kg wet	3.333		54	40-140	5	30	
Nitrobenzene	2.04	0.333	mg/kg wet	3.333		61	40-140	4	30	
N-Nitrosodimethylamine	2.16	0.333	mg/kg wet	3.333		65	40-140	4	30	
N-Nitroso-Di-n-Propylamine	2.42	0.333	mg/kg wet	3.333		73	40-140	5	30	
N-nitrosodiphenylamine	2.66	0.333	mg/kg wet	3.333		80	40-140	3	30	
Pentachlorophenol	2.56	0.667	mg/kg wet	3.333		77	30-130	0.3	30	
Phenanthrene	2.48	0.333	mg/kg wet	3.333		74	40-140	2	30	
Phenol	2.13	0.333	mg/kg wet	3.333		64	30-130	5	30	
Pyrene	2.53	0.333	mg/kg wet	3.333		76	40-140	3	30	
Pyridine	1.72	1.67	mg/kg wet	3.333		52	40-140	5	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.18*		mg/kg wet	*3.333*		*65*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.53*		mg/kg wet	*5.000*		*91*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.50*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.10*		mg/kg wet	*3.333*		*63*	*30-130*			
Surrogate: 2-Fluorophenol	*3.52*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.15*		mg/kg wet	*3.333*		*64*	*30-130*			
Surrogate: Phenol-d6	*3.67*		mg/kg wet	*5.000*		*73*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.90*		mg/kg wet	*3.333*		*87*	*30-130*			
Classical Chemistry										
Batch DE12512 - TCN Prep										
Blank										
Total Cyanide	ND	1.00	mg/kg wet							
LCS										
Total Cyanide	4.88	1.00	mg/kg wet	5.015		97	90-110			
Reference										
Total Cyanide	43.7	4.95	mg/kg wet	48.80		89	22.9-122.9			
Reference										
Total Cyanide	43.0	4.93	mg/kg wet	48.80		88	22.9-122.9			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0742

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21E0742

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

Sterling Analytical, Inc.
15 Agawam Avenue
West Springfield, MA 01089
Phone (413) 214-6541 Fax (413) 214-6842
email-madhu@sterlinganalytical.com

Visit our website: www.sterlinganalytical.com

Mass Certification - MA-00071
Conn Certification - PH-0520

Report Date May 28, 2021

Customer	Contact	Laboratory Supervisor	eMail
ESS Laboratory	S. Morrell	Madhu Shah	customerservice@sterlinganalytical.com

Sample Description
Analysis of Soil Samples

Samples Analyzed

Enclosed are Report No(s): 73806..73809

*Results reported on 'Dry Basis'.

Sulfur Total Blank = <0.05ppm

LCS Lo Check 0.100 = 0.086ppm

ICV 1.00 = 1.055ppm

Thank you for your business

madhu shah

Madhu Shah, Laboratory Supervisor

5/28/2021

Date

ALL the information contained in this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method.
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Sample	Description	Source	Taken/Time	Received
73806	21E0742-01	ESS Laboratory	5/21/21	5/24/21

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	298	mg/kg	100.00	SW 846 6010	05/28/21	dfp

Sample	Description	Source	Taken/Time	Received
73807	21E0742-02	ESS Laboratory	5/21/21	5/24/21

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	371	mg/kg	100.00	SW 846 6010	05/28/21	dfp

Sample	Description	Source	Taken/Time	Received
73808	21E0742-03	ESS Laboratory	5/21/21	5/24/21

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	321	mg/kg	100.00	SW 846 6010	05/28/21	dfp

Sample	Description	Source	Taken/Time	Received
73809	21E0742-04	ESS Laboratory	5/21/21	5/24/21

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	334	mg/kg	100.00	SW 846 6010	05/28/21	dfp

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: ESS Courier

ESS Project ID: 21E0742
Date Received: 5/21/2021
Project Due Date: 5/28/2021
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: -3.8 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / (NA)
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? (Yes) / No
    ESS Sample IDs: 1,2,3,4,
    Analysis: TOTAL SULFUR
    TAT: STD
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA

13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 5/21/21 Time: 1151 By: TO

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / (No)
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	169316	Yes	N/A	Yes	VOA Vial	MeOH	
1	169320	Yes	N/A	Yes	VOA Vial	DI Water	
1	169321	Yes	N/A	Yes	VOA Vial	DI Water	
1	169328	Yes	N/A	Yes	8 oz jar	NP	
1	169329	Yes	N/A	Yes	8 oz jar	NP	
2	169317	Yes	N/A	Yes	VOA Vial	MeOH	
2	169322	Yes	N/A	Yes	VOA Vial	DI Water	
2	169323	Yes	N/A	Yes	VOA Vial	DI Water	
2	169330	Yes	N/A	Yes	8 oz jar	NP	
2	169331	Yes	N/A	Yes	8 oz jar	NP	
3	169318	Yes	N/A	Yes	VOA Vial	MeOH	
3	169324	Yes	N/A	Yes	VOA Vial	DI Water	
3	169325	Yes	N/A	Yes	VOA Vial	DI Water	
3	169332	Yes	N/A	Yes	8 oz jar	NP	
3	169333	Yes	N/A	Yes	8 oz jar	NP	
4	169319	Yes	N/A	Yes	VOA Vial	MeOH	

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 21E0742
Date Received: 5/21/2021

4	169326	Yes	N/A	Yes	VOA Vial	DI Water
4	169327	Yes	N/A	Yes	VOA Vial	DI Water
4	169334	Yes	N/A	Yes	8 oz jar	NP
4	169335	Yes	N/A	Yes	8 oz jar	NP

2nd Review

Were all containers scanned into storage/lab? Initials <

Are barcode labels on correct containers?	Yes / No
Are all Flashpoint stickers attached/container ID # circled?	Yes / No / NA
Are all Hex Chrome stickers attached?	Yes / No / NA
Are all QC stickers attached?	Yes / No / NA
Are VOA stickers attached if bubbles noted?	Yes / No / NA

Completed By: _____ Date & Time: 5/21/21 11:38

Reviewed By: Clayton Dries Date & Time: 5/21/21 1152

ESS Laboratory — Sterling

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 21E0742

Turn Time **DUE DATE: 5/28/21**

Regulatory State: MA **RI** CT NH NJ NY ME Other_____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other_____

Reporting Limits - _____

Electonic Deliverables Excel Access PDF

Co. Name: ESS LABORATORY	Project #:	Project Name: 21E0742	
Contact Person: Shawn Morrell / Heather Masse	Address:		
City:	State:	Zip:	PO #: B03046
Tel.	Email: Smorrell@thielsch.com; Hmasse@thielsch.com		

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	Analysis: Total Sulfur 6010 mg/Kg
	5/21/21	0934	C	S	21E0742-01					X
	5/21/21	0939	C	S	21E0742-02					X
	5/21/21	0955	C	S	21E0742-03					X
	5/21/21	1002	C	S	21E0742-04					X

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present ✓ Yes ____ No

Seals Intact ____ Yes ____ No NA: ____

Cooler Temperature: _____

Internal Use Only
[ ] Pickup
[ ] Technician

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Sampled by :

Comments: QC required MB and LCS

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
5/24/21 8:38	5/24/21 8:43	5/24/21 13:33	5/24/21 13:33
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

CHAIN OF CUSTODY

185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

ESS Lab # 21E0742 | Page of

Turn Time: ☐ >5 (☐ 5) ☐ 4 ☐ 3 ☐ 2 ☐ 1 ☐ Same Day
Regulatory State: Criteria:
Is this project for any of the following?: ☐ CT RCP ☐ MA MCP ☐ RGP ☑ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF)
☐ Limit Checker ☐ State Forms ☐ EQuIS
☐ Excel ☐ Hard Copy ☐ Enviro Data
☐ CLP-Like Package ☐ Other (Specify) →

CLIENT INFORMATION

Client: GZA
Address: 188 Valley street, Suite 300, Providence RI
Phone: 401-500-1483
Email Distribution List: Sara.haupt@gza.com

PROJECT INFORMATION

Project Name: FPLP STRAP COMPLIANCE
Project Location: 642 Aleds Avenue
Project Number: 33554.04 TASK 6.0
Project Manager: Sara Haupt
Bill to: Sara Haupt
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	TPH	VOCs	SVOCs	RCRA 8 Metals	Total Sulfur	Total Cyanide	Total Number of Bottles
1	5/21/21	0934	comp	SOIL	SP052121-1	X	X	X	X	X	X	5
2	5/21/21	0939	comp	SOIL	SP052121-2	X	X	X	X	X	X	5
3	5/21/21	0955	comp	SOIL	SP052121-3	X	X	X	X	X	X	5
4	5/21/21	1002	comp	SOIL	SP052121-4	X	X	X	X	X	X	5

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial — AG | V | AG | AG | AG | AG
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other* — 10 | 7 | 10 | 10 | 10 | 10
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other* — 1 | 10/6 | 1 | 1 | 1 | 1

Chain needs to be filled out neatly and completely for on time delivery.

Sampled by :

Laboratory Use Only
Cooler Temperature (°C): 3.8 Ice

Comments: * Please specify "Other" preservative and containers types in this space
1) National Grid rates apply
2) TCLP > 20 x Rule

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration
☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
	5/21/21	11:05					
Refinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)

CERTIFICATE OF ANALYSIS

Sara Haupt
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: FPLP (33554.04 Task 6.0)
ESS Laboratory Work Order Number: 21F0232

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 3:56 pm, Jun 14, 2021

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Sterling Analytical Lab - West Springfield, MA	Sulfur, Sulfur (Subcontracted)

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21F0232

SAMPLE RECEIPT

The following samples were received on June 07, 2021 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on June 7, 2021 at 16:35.

The cooler temperature was not within the acceptance limit of <6°C, however, samples were delivered on ice and therefore meet regulatory criteria.

Lab Number	Sample Name	Matrix	Analysis
21F0232-01	SP060721-1	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014
21F0232-02	SP060721-2	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014
21F0232-03	SP060721-3	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014
21F0232-04	SP060721-4	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21F0232

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

DF10905-BS1 **Blank Spike recovery is above upper control limit (B+).**
Acetone (147% @ 70-130%)

DF10905-BSD1 **Blank Spike recovery is above upper control limit (B+).**
Acetone (153% @ 70-130%)

8270D Semi-Volatile Organic Compounds

D1F0127-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (96% @ 80-120%), 4,6-Dinitro-2-Methylphenol (99% @ 80-120%), Pentachlorophenol (103% @ 80-120%)

D1F0127-CCV1 **Initial Calibration Verification recovery is above upper control limit (ICV+).**
2,4-Dinitrotoluene

D1F0184-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (70% @ 80-120%), 4,6-Dinitro-2-Methylphenol (87% @ 80-120%), Benzoic Acid (79% @ 80-120%)

D1F0184-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2,4-Dinitrotoluene (22% @ 20%), 2-Chloronaphthalene (22% @ 20%), 4-Bromophenyl-phenylether (21% @ 20%), Hexachlorocyclopentadiene (26% @ 20%)

D1F0184-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
2,4-Dinitrophenol (30% @ 20%), Benzoic Acid (21% @ 20%)

D1F0184-CCV1 **Initial Calibration Verification recovery is below lower control limit (ICV-).**
2,4-Dinitrotoluene

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21F0232

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-1
Date Sampled: 06/07/21 14:52
Percent Solids: 94

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.79** (2.50)		6010C		1	KJK	06/09/21 1:28	2.13	100	DF10756
Barium	**19.4** (2.50)		6010C		1	KJK	06/09/21 1:28	2.13	100	DF10756
Cadmium	ND (0.50)		6010C		1	KJK	06/09/21 1:28	2.13	100	DF10756
Chromium	**4.54** (1.00)		6010C		1	KJK	06/09/21 1:28	2.13	100	DF10756
Lead	**15.2** (5.00)		6010C		1	KJK	06/09/21 1:28	2.13	100	DF10756
Mercury	ND (0.032)		7471B		1	JRB	06/09/21 11:26	0.65	40	DF10847
Selenium	ND (5.00)		6010C		1	KJK	06/09/21 1:28	2.13	100	DF10756
Silver	ND (0.50)		6010C		1	KJK	06/09/21 1:28	2.13	100	DF10756

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-1
Date Sampled: 06/07/21 14:52
Percent Solids: 94
Initial Volume: 9.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1,1,1-Trichloroethane	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1,1,2,2-Tetrachloroethane	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1,1,2-Trichloroethane	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1,1-Dichloroethane	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1,1-Dichloroethene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1,1-Dichloropropene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1,2,3-Trichlorobenzene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1,2,3-Trichloropropane	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1,2,4-Trichlorobenzene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1,2,4-Trimethylbenzene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1,2-Dibromo-3-Chloropropane	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1,2-Dibromoethane	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1,2-Dichlorobenzene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1,2-Dichloroethane	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1,2-Dichloropropane	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1,3,5-Trimethylbenzene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1,3-Dichlorobenzene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1,3-Dichloropropane	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1,4-Dichlorobenzene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1,4-Dioxane	ND (0.0555)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
1-Chlorohexane	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
2,2-Dichloropropane	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
2-Butanone	ND (0.0277)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
2-Chlorotoluene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
2-Hexanone	ND (0.0277)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
4-Chlorotoluene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
4-Isopropyltoluene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
4-Methyl-2-Pentanone	ND (0.0277)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Acetone	ND (0.0277)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Benzene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Bromobenzene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-1
Date Sampled: 06/07/21 14:52
Percent Solids: 94
Initial Volume: 9.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Bromodichloromethane	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Bromoform	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Bromomethane	ND (0.0055)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Carbon Disulfide	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Carbon Tetrachloride	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Chlorobenzene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Chloroethane	ND (0.0055)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Chloroform	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Chloromethane	ND (0.0055)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
cis-1,2-Dichloroethene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
cis-1,3-Dichloropropene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Dibromochloromethane	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Dibromomethane	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Dichlorodifluoromethane	ND (0.0055)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Diethyl Ether	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Di-isopropyl ether	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Ethyl tertiary-butyl ether	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Ethylbenzene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Hexachlorobutadiene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Isopropylbenzene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Methyl tert-Butyl Ether	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Methylene Chloride	ND (0.0139)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Naphthalene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
n-Butylbenzene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
n-Propylbenzene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
sec-Butylbenzene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Styrene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
tert-Butylbenzene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Tertiary-amyl methyl ether	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Tetrachloroethene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Tetrahydrofuran	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-1
Date Sampled: 06/07/21 14:52
Percent Solids: 94
Initial Volume: 9.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
trans-1,2-Dichloroethene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
trans-1,3-Dichloropropene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Trichloroethene	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Trichlorofluoromethane	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Vinyl Acetate	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Vinyl Chloride	ND (0.0055)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Xylene O	ND (0.0028)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Xylene P,M	ND (0.0055)		8260B Low		1	06/09/21 17:20	D1F0159	DF10905
Xylenes (Total)	ND (0.00555)		8260B Low		1	06/09/21 17:20		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*121 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*94 %*		*70-130*
Surrogate: Dibromofluoromethane	*111 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-1
Date Sampled: 06/07/21 14:52
Percent Solids: 94
Initial Volume: 19.2
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 6/7/21 19:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**83.2** (41.6)		8100M		1	06/10/21 8:51	D1F0170	DF10710

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*98 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-1
Date Sampled: 06/07/21 14:52
Percent Solids: 94
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/7/21 18:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
1,2,4-Trichlorobenzene	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
1,2-Dichlorobenzene	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
1,3-Dichlorobenzene	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
1,4-Dichlorobenzene	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
2,3,4,6-Tetrachlorophenol	ND (1.78)		8270D		1	06/11/21 1:57	D1F0184	DF10755
2,4,5-Trichlorophenol	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
2,4,6-Trichlorophenol	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
2,4-Dichlorophenol	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
2,4-Dimethylphenol	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
2,4-Dinitrophenol	ND (1.78)		8270D		1	06/11/21 1:57	D1F0184	DF10755
2,4-Dinitrotoluene	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
2,6-Dinitrotoluene	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
2-Chloronaphthalene	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
2-Chlorophenol	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
2-Methylnaphthalene	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
2-Methylphenol	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
2-Nitroaniline	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
2-Nitrophenol	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
3,3′-Dichlorobenzidine	ND (0.710)		8270D		1	06/11/21 1:57	D1F0184	DF10755
3+4-Methylphenol	ND (0.710)		8270D		1	06/11/21 1:57	D1F0184	DF10755
3-Nitroaniline	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
4,6-Dinitro-2-Methylphenol	ND (1.78)		8270D		1	06/11/21 1:57	D1F0184	DF10755
4-Bromophenyl-phenylether	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
4-Chloro-3-Methylphenol	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
4-Chloroaniline	ND (0.710)		8270D		1	06/11/21 1:57	D1F0184	DF10755
4-Chloro-phenyl-phenyl ether	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
4-Nitroaniline	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
4-Nitrophenol	ND (1.78)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Acenaphthene	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Acenaphthylene	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Acetophenone	ND (0.710)		8270D		1	06/11/21 1:57	D1F0184	DF10755

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-1
Date Sampled: 06/07/21 14:52
Percent Solids: 94
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/7/21 18:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.710)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Anthracene	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Azobenzene	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Benzo(a)anthracene	**0.485** (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Benzo(a)pyrene	**0.517** (0.178)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Benzo(b)fluoranthene	**0.494** (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Benzo(g,h,i)perylene	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Benzo(k)fluoranthene	**0.417** (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Benzoic Acid	ND (1.78)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Benzyl Alcohol	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
bis(2-Chloroethoxy)methane	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
bis(2-Chloroethyl)ether	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
bis(2-chloroisopropyl)Ether	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
bis(2-Ethylhexyl)phthalate	**0.393** (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Butylbenzylphthalate	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Carbazole	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Chrysene	**0.452** (0.178)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Dibenzo(a,h)Anthracene	ND (0.178)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Dibenzofuran	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Diethylphthalate	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Dimethylphthalate	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Di-n-butylphthalate	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Di-n-octylphthalate	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Fluoranthene	**0.825** (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Fluorene	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Hexachlorobenzene	ND (0.178)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Hexachlorobutadiene	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Hexachlorocyclopentadiene	ND (1.78)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Hexachloroethane	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Indeno(1,2,3-cd)Pyrene	**0.439** (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Isophorone	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Naphthalene	**0.411** (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-1
Date Sampled: 06/07/21 14:52
Percent Solids: 94
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/7/21 18:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
N-Nitrosodimethylamine	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
N-Nitroso-Di-n-Propylamine	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
N-nitrosodiphenylamine	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Pentachlorophenol	ND (1.78)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Phenanthrene	**0.498** (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Phenol	ND (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Pyrene	**1.00** (0.355)		8270D		1	06/11/21 1:57	D1F0184	DF10755
Pyridine	ND (1.78)		8270D		1	06/11/21 1:57	D1F0184	DF10755

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*85 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*99 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*87 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*94 %*		*30-130*
Surrogate: 2-Fluorophenol	*87 %*		*30-130*
Surrogate: Nitrobenzene-d5	*88 %*		*30-130*
Surrogate: Phenol-d6	*91 %*		*30-130*
Surrogate: p-Terphenyl-d14	*109 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-1
Date Sampled: 06/07/21 14:52
Percent Solids: 94

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**1.38** (0.98)		9014		1	EEM	06/11/21 13:00	mg/kg dry	DF11116

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-1
Date Sampled: 06/07/21 14:52
Percent Solids: 94
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-01
Sample Matrix: Soil

Analyst: SUB
Prepared: 6/10/21 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**219** (100)		6010		1	SUB	06/10/21 0:00	mg/kg	DL03127

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-2
Date Sampled: 06/07/21 14:58
Percent Solids: 95

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.06** (2.51)		6010C		1	KJK	06/09/21 1:29	2.1	100	DF10756
Barium	**19.6** (2.51)		6010C		1	KJK	06/09/21 1:29	2.1	100	DF10756
Cadmium	ND (0.50)		6010C		1	KJK	06/09/21 1:29	2.1	100	DF10756
Chromium	**5.25** (1.00)		6010C		1	KJK	06/09/21 1:29	2.1	100	DF10756
Lead	**14.7** (5.01)		6010C		1	KJK	06/09/21 1:29	2.1	100	DF10756
Mercury	ND (0.031)		7471B		1	JRB	06/09/21 11:28	0.68	40	DF10847
Selenium	ND (5.01)		6010C		1	KJK	06/09/21 1:29	2.1	100	DF10756
Silver	ND (0.50)		6010C		1	KJK	06/09/21 1:29	2.1	100	DF10756

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-2
Date Sampled: 06/07/21 14:58
Percent Solids: 95
Initial Volume: 8.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1,1,1-Trichloroethane	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1,1,2,2-Tetrachloroethane	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1,1,2-Trichloroethane	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1,1-Dichloroethane	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1,1-Dichloroethene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1,1-Dichloropropene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1,2,3-Trichlorobenzene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1,2,3-Trichloropropane	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1,2,4-Trichlorobenzene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1,2,4-Trimethylbenzene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1,2-Dibromo-3-Chloropropane	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1,2-Dibromoethane	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1,2-Dichlorobenzene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1,2-Dichloroethane	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1,2-Dichloropropane	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1,3,5-Trimethylbenzene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1,3-Dichlorobenzene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1,3-Dichloropropane	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1,4-Dichlorobenzene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1,4-Dioxane	ND (0.0598)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
1-Chlorohexane	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
2,2-Dichloropropane	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
2-Butanone	ND (0.0299)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
2-Chlorotoluene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
2-Hexanone	ND (0.0299)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
4-Chlorotoluene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
4-Isopropyltoluene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
4-Methyl-2-Pentanone	ND (0.0299)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Acetone	ND (0.0299)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Benzene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Bromobenzene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-2
Date Sampled: 06/07/21 14:58
Percent Solids: 95
Initial Volume: 8.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Bromodichloromethane	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Bromoform	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Bromomethane	ND (0.0060)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Carbon Disulfide	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Carbon Tetrachloride	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Chlorobenzene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Chloroethane	ND (0.0060)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Chloroform	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Chloromethane	ND (0.0060)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
cis-1,2-Dichloroethene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
cis-1,3-Dichloropropene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Dibromochloromethane	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Dibromomethane	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Dichlorodifluoromethane	ND (0.0060)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Diethyl Ether	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Di-isopropyl ether	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Ethyl tertiary-butyl ether	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Ethylbenzene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Hexachlorobutadiene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Isopropylbenzene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Methyl tert-Butyl Ether	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Methylene Chloride	ND (0.0150)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Naphthalene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
n-Butylbenzene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
n-Propylbenzene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
sec-Butylbenzene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Styrene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
tert-Butylbenzene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Tertiary-amyl methyl ether	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Tetrachloroethene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Tetrahydrofuran	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-2
Date Sampled: 06/07/21 14:58
Percent Solids: 95
Initial Volume: 8.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
trans-1,2-Dichloroethene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
trans-1,3-Dichloropropene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Trichloroethene	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Trichlorofluoromethane	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Vinyl Acetate	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Vinyl Chloride	ND (0.0060)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Xylene O	ND (0.0030)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Xylene P,M	ND (0.0060)		8260B Low		1	06/09/21 17:45	D1F0159	DF10905
Xylenes (Total)	ND (0.00598)		8260B Low		1	06/09/21 17:45		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*107 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*94 %*		*70-130*
Surrogate: Dibromofluoromethane	*103 %*		*70-130*
Surrogate: Toluene-d8	*93 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-2
Date Sampled: 06/07/21 14:58
Percent Solids: 95
Initial Volume: 19.5
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 6/7/21 19:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**116** (40.5)		8100M		1	06/10/21 17:47	D1F0170	DF10710

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*103 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-2
Date Sampled: 06/07/21 14:58
Percent Solids: 95
Initial Volume: 15.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/7/21 18:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
1,2,4-Trichlorobenzene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
1,2-Dichlorobenzene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
1,3-Dichlorobenzene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
1,4-Dichlorobenzene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
2,3,4,6-Tetrachlorophenol	ND (1.70)		8270D		1	06/11/21 2:27	D1F0184	DF10755
2,4,5-Trichlorophenol	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
2,4,6-Trichlorophenol	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
2,4-Dichlorophenol	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
2,4-Dimethylphenol	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
2,4-Dinitrophenol	ND (1.70)		8270D		1	06/11/21 2:27	D1F0184	DF10755
2,4-Dinitrotoluene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
2,6-Dinitrotoluene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
2-Chloronaphthalene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
2-Chlorophenol	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
2-Methylnaphthalene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
2-Methylphenol	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
2-Nitroaniline	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
2-Nitrophenol	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
3,3′-Dichlorobenzidine	ND (0.680)		8270D		1	06/11/21 2:27	D1F0184	DF10755
3+4-Methylphenol	ND (0.680)		8270D		1	06/11/21 2:27	D1F0184	DF10755
3-Nitroaniline	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
4,6-Dinitro-2-Methylphenol	ND (1.70)		8270D		1	06/11/21 2:27	D1F0184	DF10755
4-Bromophenyl-phenylether	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
4-Chloro-3-Methylphenol	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
4-Chloroaniline	ND (0.680)		8270D		1	06/11/21 2:27	D1F0184	DF10755
4-Chloro-phenyl-phenyl ether	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
4-Nitroaniline	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
4-Nitrophenol	ND (1.70)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Acenaphthene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Acenaphthylene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Acetophenone	ND (0.680)		8270D		1	06/11/21 2:27	D1F0184	DF10755

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-2
Date Sampled: 06/07/21 14:58
Percent Solids: 95
Initial Volume: 15.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/7/21 18:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.680)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Anthracene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Azobenzene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Benzo(a)anthracene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Benzo(a)pyrene	**0.363** (0.170)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Benzo(b)fluoranthene	**0.360** (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Benzo(g,h,i)perylene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Benzo(k)fluoranthene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Benzoic Acid	ND (1.70)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Benzyl Alcohol	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
bis(2-Chloroethoxy)methane	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
bis(2-Chloroethyl)ether	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
bis(2-chloroisopropyl)Ether	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
bis(2-Ethylhexyl)phthalate	**0.604** (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Butylbenzylphthalate	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Carbazole	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Chrysene	**0.296** (0.170)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Dibenzo(a,h)Anthracene	ND (0.170)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Dibenzofuran	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Diethylphthalate	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Dimethylphthalate	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Di-n-butylphthalate	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Di-n-octylphthalate	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Fluoranthene	**0.488** (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Fluorene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Hexachlorobenzene	ND (0.170)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Hexachlorobutadiene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Hexachlorocyclopentadiene	ND (1.70)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Hexachloroethane	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Indeno(1,2,3-cd)Pyrene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Isophorone	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Naphthalene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-2
Date Sampled: 06/07/21 14:58
Percent Solids: 95
Initial Volume: 15.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/7/21 18:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
N-Nitrosodimethylamine	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
N-Nitroso-Di-n-Propylamine	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
N-nitrosodiphenylamine	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Pentachlorophenol	ND (1.70)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Phenanthrene	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Phenol	ND (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Pyrene	**0.635** (0.339)		8270D		1	06/11/21 2:27	D1F0184	DF10755
Pyridine	ND (1.70)		8270D		1	06/11/21 2:27	D1F0184	DF10755

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*83 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*99 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*84 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*92 %*		*30-130*
Surrogate: 2-Fluorophenol	*86 %*		*30-130*
Surrogate: Nitrobenzene-d5	*86 %*		*30-130*
Surrogate: Phenol-d6	*90 %*		*30-130*
Surrogate: p-Terphenyl-d14	*109 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-2
Date Sampled: 06/07/21 14:58
Percent Solids: 95

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-02
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**2.30** (1.03)		9014		1	EEM	06/11/21 13:00	mg/kg dry	DF11116

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-2
Date Sampled: 06/07/21 14:58
Percent Solids: 95
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-02
Sample Matrix: Soil

Analyst: SUB
Prepared: 6/10/21 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**133** (100)		6010		1	SUB	06/10/21 0:00	mg/kg	DL03127

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-3
Date Sampled: 06/07/21 15:04
Percent Solids: 95

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.62** (2.62)		6010C		1	KJK	06/09/21 1:31	2.01	100	DF10756
Barium	**19.8** (2.62)		6010C		1	KJK	06/09/21 1:31	2.01	100	DF10756
Cadmium	ND (0.52)		6010C		1	KJK	06/09/21 1:31	2.01	100	DF10756
Chromium	**4.66** (1.05)		6010C		1	KJK	06/09/21 1:31	2.01	100	DF10756
Lead	**19.3** (5.25)		6010C		1	KJK	06/09/21 1:31	2.01	100	DF10756
Mercury	ND (0.035)		7471B		1	JRB	06/09/21 11:34	0.6	40	DF10847
Selenium	ND (5.25)		6010C		1	KJK	06/09/21 1:31	2.01	100	DF10756
Silver	ND (0.52)		6010C		1	KJK	06/09/21 1:31	2.01	100	DF10756

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-3
Date Sampled: 06/07/21 15:04
Percent Solids: 95
Initial Volume: 8.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1,1,1-Trichloroethane	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1,1,2,2-Tetrachloroethane	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1,1,2-Trichloroethane	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1,1-Dichloroethane	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1,1-Dichloroethene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1,1-Dichloropropene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1,2,3-Trichlorobenzene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1,2,3-Trichloropropane	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1,2,4-Trichlorobenzene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1,2,4-Trimethylbenzene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1,2-Dibromo-3-Chloropropane	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1,2-Dibromoethane	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1,2-Dichlorobenzene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1,2-Dichloroethane	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1,2-Dichloropropane	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1,3,5-Trimethylbenzene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1,3-Dichlorobenzene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1,3-Dichloropropane	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1,4-Dichlorobenzene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1,4-Dioxane	ND (0.0599)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
1-Chlorohexane	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
2,2-Dichloropropane	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
2-Butanone	ND (0.0300)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
2-Chlorotoluene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
2-Hexanone	ND (0.0300)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
4-Chlorotoluene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
4-Isopropyltoluene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
4-Methyl-2-Pentanone	ND (0.0300)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Acetone	ND (0.0300)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Benzene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Bromobenzene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-3
Date Sampled: 06/07/21 15:04
Percent Solids: 95
Initial Volume: 8.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Bromodichloromethane	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Bromoform	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Bromomethane	ND (0.0060)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Carbon Disulfide	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Carbon Tetrachloride	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Chlorobenzene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Chloroethane	ND (0.0060)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Chloroform	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Chloromethane	ND (0.0060)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
cis-1,2-Dichloroethene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
cis-1,3-Dichloropropene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Dibromochloromethane	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Dibromomethane	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Dichlorodifluoromethane	ND (0.0060)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Diethyl Ether	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Di-isopropyl ether	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Ethyl tertiary-butyl ether	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Ethylbenzene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Hexachlorobutadiene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Isopropylbenzene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Methyl tert-Butyl Ether	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Methylene Chloride	ND (0.0150)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Naphthalene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
n-Butylbenzene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
n-Propylbenzene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
sec-Butylbenzene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Styrene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
tert-Butylbenzene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Tertiary-amyl methyl ether	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Tetrachloroethene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Tetrahydrofuran	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-3
Date Sampled: 06/07/21 15:04
Percent Solids: 95
Initial Volume: 8.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
trans-1,2-Dichloroethene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
trans-1,3-Dichloropropene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Trichloroethene	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Trichlorofluoromethane	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Vinyl Acetate	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Vinyl Chloride	ND (0.0060)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Xylene O	ND (0.0030)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Xylene P,M	ND (0.0060)		8260B Low		1	06/09/21 18:11	D1F0159	DF10905
Xylenes (Total)	ND (0.00599)		8260B Low		1	06/09/21 18:11		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*86 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*91 %*		*70-130*
Surrogate: Dibromofluoromethane	*92 %*		*70-130*
Surrogate: Toluene-d8	*95 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-3
Date Sampled: 06/07/21 15:04
Percent Solids: 95
Initial Volume: 19.9
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 6/7/21 19:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**151** (39.8)		8100M		1	06/10/21 18:20	D1F0170	DF10710

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*107 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-3
Date Sampled: 06/07/21 15:04
Percent Solids: 95
Initial Volume: 15.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/7/21 18:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
1,2,4-Trichlorobenzene	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
1,2-Dichlorobenzene	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
1,3-Dichlorobenzene	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
1,4-Dichlorobenzene	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
2,3,4,6-Tetrachlorophenol	ND (1.68)		8270D		1	06/11/21 2:57	D1F0184	DF10755
2,4,5-Trichlorophenol	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
2,4,6-Trichlorophenol	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
2,4-Dichlorophenol	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
2,4-Dimethylphenol	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
2,4-Dinitrophenol	ND (1.68)		8270D		1	06/11/21 2:57	D1F0184	DF10755
2,4-Dinitrotoluene	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
2,6-Dinitrotoluene	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
2-Chloronaphthalene	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
2-Chlorophenol	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
2-Methylnaphthalene	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
2-Methylphenol	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
2-Nitroaniline	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
2-Nitrophenol	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
3,3′-Dichlorobenzidine	ND (0.672)		8270D		1	06/11/21 2:57	D1F0184	DF10755
3+4-Methylphenol	ND (0.672)		8270D		1	06/11/21 2:57	D1F0184	DF10755
3-Nitroaniline	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
4,6-Dinitro-2-Methylphenol	ND (1.68)		8270D		1	06/11/21 2:57	D1F0184	DF10755
4-Bromophenyl-phenylether	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
4-Chloro-3-Methylphenol	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
4-Chloroaniline	ND (0.672)		8270D		1	06/11/21 2:57	D1F0184	DF10755
4-Chloro-phenyl-phenyl ether	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
4-Nitroaniline	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
4-Nitrophenol	ND (1.68)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Acenaphthene	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Acenaphthylene	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Acetophenone	ND (0.672)		8270D		1	06/11/21 2:57	D1F0184	DF10755

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-3
Date Sampled: 06/07/21 15:04
Percent Solids: 95
Initial Volume: 15.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/7/21 18:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.672)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Anthracene	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Azobenzene	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Benzo(a)anthracene	**0.358** (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Benzo(a)pyrene	**0.401** (0.168)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Benzo(b)fluoranthene	**0.393** (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Benzo(g,h,i)perylene	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Benzo(k)fluoranthene	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Benzoic Acid	ND (1.68)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Benzyl Alcohol	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
bis(2-Chloroethoxy)methane	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
bis(2-Chloroethyl)ether	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
bis(2-chloroisopropyl)Ether	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
bis(2-Ethylhexyl)phthalate	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Butylbenzylphthalate	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Carbazole	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Chrysene	**0.331** (0.168)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Dibenzo(a,h)Anthracene	ND (0.168)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Dibenzofuran	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Diethylphthalate	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Dimethylphthalate	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Di-n-butylphthalate	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Di-n-octylphthalate	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Fluoranthene	**0.565** (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Fluorene	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Hexachlorobenzene	ND (0.168)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Hexachlorobutadiene	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Hexachlorocyclopentadiene	ND (1.68)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Hexachloroethane	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Indeno(1,2,3-cd)Pyrene	**0.357** (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Isophorone	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Naphthalene	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-3
Date Sampled: 06/07/21 15:04
Percent Solids: 95
Initial Volume: 15.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/7/21 18:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
N-Nitrosodimethylamine	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
N-Nitroso-Di-n-Propylamine	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
N-nitrosodiphenylamine	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Pentachlorophenol	ND (1.68)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Phenanthrene	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Phenol	ND (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Pyrene	**0.686** (0.336)		8270D		1	06/11/21 2:57	D1F0184	DF10755
Pyridine	ND (1.68)		8270D		1	06/11/21 2:57	D1F0184	DF10755

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*85 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*99 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*86 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*93 %*		*30-130*
Surrogate: 2-Fluorophenol	*87 %*		*30-130*
Surrogate: Nitrobenzene-d5	*89 %*		*30-130*
Surrogate: Phenol-d6	*90 %*		*30-130*
Surrogate: p-Terphenyl-d14	*108 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-3
Date Sampled: 06/07/21 15:04
Percent Solids: 95

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-03
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	ND (1.01)		9014		1	EEM	06/11/21 13:00	mg/kg dry	DF11116

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-3
Date Sampled: 06/07/21 15:04
Percent Solids: 95
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-03
Sample Matrix: Soil

Analyst: SUB
Prepared: 6/10/21 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**192** (100)		6010		1	SUB	06/10/21 0:00	mg/kg	DL03127

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-4
Date Sampled: 06/07/21 15:09
Percent Solids: 94

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.79** (2.53)		6010C		1	KJK	06/09/21 1:39	2.11	100	DF10756
Barium	**18.3** (2.53)		6010C		1	KJK	06/09/21 1:39	2.11	100	DF10756
Cadmium	ND (0.51)		6010C		1	KJK	06/09/21 1:39	2.11	100	DF10756
Chromium	**4.65** (1.01)		6010C		1	KJK	06/09/21 1:39	2.11	100	DF10756
Lead	**14.2** (5.06)		6010C		1	KJK	06/09/21 1:39	2.11	100	DF10756
Mercury	ND (0.031)		7471B		1	JRB	06/09/21 11:36	0.68	40	DF10847
Selenium	ND (5.06)		6010C		1	KJK	06/09/21 1:39	2.11	100	DF10756
Silver	ND (0.51)		6010C		1	KJK	06/09/21 1:39	2.11	100	DF10756

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-4
Date Sampled: 06/07/21 15:09
Percent Solids: 94
Initial Volume: 8.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1,1,1-Trichloroethane	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1,1,2,2-Tetrachloroethane	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1,1,2-Trichloroethane	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1,1-Dichloroethane	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1,1-Dichloroethene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1,1-Dichloropropene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1,2,3-Trichlorobenzene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1,2,3-Trichloropropane	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1,2,4-Trichlorobenzene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1,2,4-Trimethylbenzene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1,2-Dibromo-3-Chloropropane	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1,2-Dibromoethane	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1,2-Dichlorobenzene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1,2-Dichloroethane	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1,2-Dichloropropane	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1,3,5-Trimethylbenzene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1,3-Dichlorobenzene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1,3-Dichloropropane	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1,4-Dichlorobenzene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1,4-Dioxane	ND (0.0651)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
1-Chlorohexane	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
2,2-Dichloropropane	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
2-Butanone	ND (0.0325)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
2-Chlorotoluene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
2-Hexanone	ND (0.0325)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
4-Chlorotoluene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
4-Isopropyltoluene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
4-Methyl-2-Pentanone	ND (0.0325)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Acetone	ND (0.0325)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Benzene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Bromobenzene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-4
Date Sampled: 06/07/21 15:09
Percent Solids: 94
Initial Volume: 8.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Bromodichloromethane	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Bromoform	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Bromomethane	ND (0.0065)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Carbon Disulfide	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Carbon Tetrachloride	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Chlorobenzene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Chloroethane	ND (0.0065)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Chloroform	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Chloromethane	ND (0.0065)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
cis-1,2-Dichloroethene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
cis-1,3-Dichloropropene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Dibromochloromethane	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Dibromomethane	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Dichlorodifluoromethane	ND (0.0065)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Diethyl Ether	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Di-isopropyl ether	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Ethyl tertiary-butyl ether	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Ethylbenzene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Hexachlorobutadiene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Isopropylbenzene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Methyl tert-Butyl Ether	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Methylene Chloride	ND (0.0163)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Naphthalene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
n-Butylbenzene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
n-Propylbenzene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
sec-Butylbenzene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Styrene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
tert-Butylbenzene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Tertiary-amyl methyl ether	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Tetrachloroethene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Tetrahydrofuran	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-4
Date Sampled: 06/07/21 15:09
Percent Solids: 94
Initial Volume: 8.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
trans-1,2-Dichloroethene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
trans-1,3-Dichloropropene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Trichloroethene	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Trichlorofluoromethane	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Vinyl Acetate	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Vinyl Chloride	ND (0.0065)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Xylene O	ND (0.0033)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Xylene P,M	ND (0.0065)		8260B Low		1	06/09/21 18:36	D1F0159	DF10905
Xylenes (Total)	ND (0.00651)		8260B Low		1	06/09/21 18:36		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*94 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*92 %*		*70-130*
Surrogate: Dibromofluoromethane	*95 %*		*70-130*
Surrogate: Toluene-d8	*94 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-4
Date Sampled: 06/07/21 15:09
Percent Solids: 94
Initial Volume: 19.8
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 6/7/21 19:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**88.8** (40.4)		8100M		1	06/10/21 18:54	D1F0170	DF10710

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*102 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-4
Date Sampled: 06/07/21 15:09
Percent Solids: 94
Initial Volume: 15.2
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/7/21 18:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
1,2,4-Trichlorobenzene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
1,2-Dichlorobenzene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
1,3-Dichlorobenzene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
1,4-Dichlorobenzene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
2,3,4,6-Tetrachlorophenol	ND (1.76)		8270D		1	06/11/21 3:27	D1F0184	DF10755
2,4,5-Trichlorophenol	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
2,4,6-Trichlorophenol	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
2,4-Dichlorophenol	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
2,4-Dimethylphenol	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
2,4-Dinitrophenol	ND (1.76)		8270D		1	06/11/21 3:27	D1F0184	DF10755
2,4-Dinitrotoluene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
2,6-Dinitrotoluene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
2-Chloronaphthalene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
2-Chlorophenol	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
2-Methylnaphthalene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
2-Methylphenol	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
2-Nitroaniline	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
2-Nitrophenol	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
3,3′-Dichlorobenzidine	ND (0.703)		8270D		1	06/11/21 3:27	D1F0184	DF10755
3+4-Methylphenol	ND (0.703)		8270D		1	06/11/21 3:27	D1F0184	DF10755
3-Nitroaniline	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
4,6-Dinitro-2-Methylphenol	ND (1.76)		8270D		1	06/11/21 3:27	D1F0184	DF10755
4-Bromophenyl-phenylether	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
4-Chloro-3-Methylphenol	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
4-Chloroaniline	ND (0.703)		8270D		1	06/11/21 3:27	D1F0184	DF10755
4-Chloro-phenyl-phenyl ether	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
4-Nitroaniline	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
4-Nitrophenol	ND (1.76)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Acenaphthene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Acenaphthylene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Acetophenone	ND (0.703)		8270D		1	06/11/21 3:27	D1F0184	DF10755

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-4
Date Sampled: 06/07/21 15:09
Percent Solids: 94
Initial Volume: 15.2
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/7/21 18:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.703)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Anthracene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Azobenzene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Benzo(a)anthracene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Benzo(a)pyrene	**0.312** (0.176)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Benzo(b)fluoranthene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Benzo(g,h,i)perylene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Benzo(k)fluoranthene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Benzoic Acid	ND (1.76)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Benzyl Alcohol	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
bis(2-Chloroethoxy)methane	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
bis(2-Chloroethyl)ether	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
bis(2-chloroisopropyl)Ether	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
bis(2-Ethylhexyl)phthalate	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Butylbenzylphthalate	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Carbazole	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Chrysene	**0.260** (0.176)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Dibenzo(a,h)Anthracene	ND (0.176)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Dibenzofuran	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Diethylphthalate	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Dimethylphthalate	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Di-n-butylphthalate	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Di-n-octylphthalate	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Fluoranthene	**0.430** (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Fluorene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Hexachlorobenzene	ND (0.176)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Hexachlorobutadiene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Hexachlorocyclopentadiene	ND (1.76)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Hexachloroethane	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Indeno(1,2,3-cd)Pyrene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Isophorone	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Naphthalene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-4
Date Sampled: 06/07/21 15:09
Percent Solids: 94
Initial Volume: 15.2
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 6/7/21 18:45

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
N-Nitrosodimethylamine	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
N-Nitroso-Di-n-Propylamine	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
N-nitrosodiphenylamine	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Pentachlorophenol	ND (1.76)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Phenanthrene	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Phenol	ND (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Pyrene	**0.561** (0.351)		8270D		1	06/11/21 3:27	D1F0184	DF10755
Pyridine	ND (1.76)		8270D		1	06/11/21 3:27	D1F0184	DF10755

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*83 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*95 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*85 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*91 %*		*30-130*
Surrogate: 2-Fluorophenol	*86 %*		*30-130*
Surrogate: Nitrobenzene-d5	*87 %*		*30-130*
Surrogate: Phenol-d6	*91 %*		*30-130*
Surrogate: p-Terphenyl-d14	*109 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-4
Date Sampled: 06/07/21 15:09
Percent Solids: 94

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-04
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	ND (1.01)		9014		1	EEM	06/11/21 13:00	mg/kg dry	DF11116

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP060721-4
Date Sampled: 06/07/21 15:09
Percent Solids: 94
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 21F0232
ESS Laboratory Sample ID: 21F0232-04
Sample Matrix: Soil

Analyst: SUB
Prepared: 6/10/21 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**139** (100)		6010		1	SUB	06/10/21 0:00	mg/kg	DL03127

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21F0232

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DF10756 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
Barium	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
LCS										
Arsenic	215	8.06	mg/kg wet	281.0		77	70-130			
Cadmium	216	1.61	mg/kg wet	276.0		78	75-125			
Chromium	214	3.23	mg/kg wet	277.0		77	70-130			
Lead	181	16.1	mg/kg wet	228.0		79	74-126			
Selenium	140	16.1	mg/kg wet	178.0		79	69-132			
Silver	34.0	1.61	mg/kg wet	44.40		76	70-130			
LCS										
Barium	232	7.25	mg/kg wet	253.0		92	78-111			
LCS Dup										
Arsenic	207	7.46	mg/kg wet	281.0		74	70-130	4	20	
Cadmium	207	1.49	mg/kg wet	276.0		75	75-125	5	20	
Chromium	207	2.99	mg/kg wet	277.0		75	70-130	3	20	
Lead	175	14.9	mg/kg wet	228.0		77	70-130	3	20	
Selenium	135	14.9	mg/kg wet	178.0		76	69-132	4	20	
Silver	32.8	1.49	mg/kg wet	44.40		74	70-130	3	20	
LCS Dup										
Barium	196	7.58	mg/kg wet	253.0		78	78-111	17	20	
Batch DF10847 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	23.5	3.19	mg/kg wet	21.60		109	80-120			
LCS Dup										
Mercury	23.3	2.91	mg/kg wet	21.60		108	80-120	0.4	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch DF10905 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21F0232

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DF10905 - 5035										
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21F0232

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DF10905 - 5035										
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0581*		mg/kg wet	*0.05000*		*116*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0483*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0518*		mg/kg wet	*0.05000*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.0472*		mg/kg wet	*0.05000*		*94*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0557	0.0050	mg/kg wet	0.05000		111	70-130			
1,1,1-Trichloroethane	0.0556	0.0050	mg/kg wet	0.05000		111	70-130			
1,1,2,2-Tetrachloroethane	0.0454	0.0050	mg/kg wet	0.05000		91	70-130			
1,1,2-Trichloroethane	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
1,1-Dichloroethane	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
1,1-Dichloroethene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130			
1,1-Dichloropropene	0.0529	0.0050	mg/kg wet	0.05000		106	70-130			
1,2,3-Trichlorobenzene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
1,2,3-Trichloropropane	0.0453	0.0050	mg/kg wet	0.05000		91	70-130			
1,2,4-Trichlorobenzene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
1,2,4-Trimethylbenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
1,2-Dibromo-3-Chloropropane	0.0436	0.0050	mg/kg wet	0.05000		87	70-130			
1,2-Dibromoethane	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
1,2-Dichlorobenzene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
1,2-Dichloroethane	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
1,2-Dichloropropane	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
1,3,5-Trimethylbenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
1,3-Dichlorobenzene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21F0232

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DF10905 - 5035										
1,3-Dichloropropane	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
1,4-Dichlorobenzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
1,4-Dioxane	0.803	0.100	mg/kg wet	1.000		80	70-130			
1-Chlorohexane	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
2,2-Dichloropropane	0.0605	0.0050	mg/kg wet	0.05000		121	70-130			
2-Butanone	0.278	0.0500	mg/kg wet	0.2500		111	70-130			
2-Chlorotoluene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130			
2-Hexanone	0.247	0.0500	mg/kg wet	0.2500		99	70-130			
4-Chlorotoluene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
4-Isopropyltoluene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
4-Methyl-2-Pentanone	0.234	0.0500	mg/kg wet	0.2500		93	70-130			
Acetone	0.367	0.0500	mg/kg wet	0.2500		147	70-130			B+
Benzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
Bromobenzene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
Bromochloromethane	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
Bromodichloromethane	0.0574	0.0050	mg/kg wet	0.05000		115	70-130			
Bromoform	0.0464	0.0050	mg/kg wet	0.05000		93	70-130			
Bromomethane	0.0524	0.0100	mg/kg wet	0.05000		105	70-130			
Carbon Disulfide	0.0545	0.0050	mg/kg wet	0.05000		109	70-130			
Carbon Tetrachloride	0.0594	0.0050	mg/kg wet	0.05000		119	70-130			
Chlorobenzene	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
Chloroethane	0.0507	0.0100	mg/kg wet	0.05000		101	70-130			
Chloroform	0.0536	0.0050	mg/kg wet	0.05000		107	70-130			
Chloromethane	0.0565	0.0100	mg/kg wet	0.05000		113	70-130			
cis-1,2-Dichloroethene	0.0529	0.0050	mg/kg wet	0.05000		106	70-130			
cis-1,3-Dichloropropene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130			
Dibromochloromethane	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
Dibromomethane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
Dichlorodifluoromethane	0.0533	0.0100	mg/kg wet	0.05000		107	70-130			
Diethyl Ether	0.0520	0.0050	mg/kg wet	0.05000		104	70-130			
Di-isopropyl ether	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
Ethyl tertiary-butyl ether	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
Ethylbenzene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
Hexachlorobutadiene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130			
Isopropylbenzene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130			
Methyl tert-Butyl Ether	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
Methylene Chloride	0.0522	0.0250	mg/kg wet	0.05000		104	70-130			
Naphthalene	0.0435	0.0050	mg/kg wet	0.05000		87	70-130			
n-Butylbenzene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			
n-Propylbenzene	0.0486	0.0050	mg/kg wet	0.05000		97	70-130			
sec-Butylbenzene	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			
Styrene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
tert-Butylbenzene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130			
Tertiary-amyl methyl ether	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
Tetrachloroethene	0.0590	0.0050	mg/kg wet	0.05000		118	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21F0232

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DF10905 - 5035										
Tetrahydrofuran	0.0419	0.0050	mg/kg wet	0.05000		84	70-130			
Toluene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
trans-1,2-Dichloroethene	0.0497	0.0050	mg/kg wet	0.05000		99	70-130			
trans-1,3-Dichloropropene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
Trichloroethene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
Trichlorofluoromethane	0.0529	0.0050	mg/kg wet	0.05000		106	70-130			
Vinyl Acetate	0.0381	0.0050	mg/kg wet	0.05000		76	70-130			
Vinyl Chloride	0.0588	0.0100	mg/kg wet	0.05000		118	70-130			
Xylene O	0.0543	0.0050	mg/kg wet	0.05000		109	70-130			
Xylene P,M	0.108	0.0100	mg/kg wet	0.1000		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0522*		mg/kg wet	*0.05000*		*104*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0496*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0522*		mg/kg wet	*0.05000*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.0463*		mg/kg wet	*0.05000*		*93*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	0.7	25	
1,1,1-Trichloroethane	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	1	25	
1,1,2,2-Tetrachloroethane	0.0480	0.0050	mg/kg wet	0.05000		96	70-130	6	25	
1,1,2-Trichloroethane	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
1,1-Dichloroethane	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	0.4	25	
1,1-Dichloroethene	0.0529	0.0050	mg/kg wet	0.05000		106	70-130	1	25	
1,1-Dichloropropene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	0.4	25	
1,2,3-Trichlorobenzene	0.0550	0.0050	mg/kg wet	0.05000		110	70-130	2	25	
1,2,3-Trichloropropane	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	7	25	
1,2,4-Trichlorobenzene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	0.4	25	
1,2,4-Trimethylbenzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	0.2	25	
1,2-Dibromo-3-Chloropropane	0.0460	0.0050	mg/kg wet	0.05000		92	70-130	5	25	
1,2-Dibromoethane	0.0514	0.0050	mg/kg wet	0.05000		103	70-130	3	25	
1,2-Dichlorobenzene	0.0508	0.0050	mg/kg wet	0.05000		102	70-130	1	25	
1,2-Dichloroethane	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	0.8	25	
1,2-Dichloropropane	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	0	25	
1,3,5-Trimethylbenzene	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	0.2	25	
1,3-Dichlorobenzene	0.0508	0.0050	mg/kg wet	0.05000		102	70-130	1	25	
1,3-Dichloropropane	0.0514	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
1,4-Dichlorobenzene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	0.9	25	
1,4-Dioxane	0.862	0.100	mg/kg wet	1.000		86	70-130	7	20	
1-Chlorohexane	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	0.6	25	
2,2-Dichloropropane	0.0600	0.0050	mg/kg wet	0.05000		120	70-130	0.8	25	
2-Butanone	0.282	0.0500	mg/kg wet	0.2500		113	70-130	1	25	
2-Chlorotoluene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130	1	25	
2-Hexanone	0.254	0.0500	mg/kg wet	0.2500		101	70-130	3	25	
4-Chlorotoluene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	0.08	25	
4-Isopropyltoluene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	0.6	25	
4-Methyl-2-Pentanone	0.247	0.0500	mg/kg wet	0.2500		99	70-130	6	25	
Acetone	0.383	0.0500	mg/kg wet	0.2500		153	70-130	4	25	B+

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21F0232

Quality Control Data

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch DF10905 - 5035										
Benzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	0.2	25	
Bromobenzene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	0.7	25	
Bromochloromethane	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	1	25	
Bromodichloromethane	0.0568	0.0050	mg/kg wet	0.05000		114	70-130	1	25	
Bromoform	0.0477	0.0050	mg/kg wet	0.05000		95	70-130	3	25	
Bromomethane	0.0513	0.0100	mg/kg wet	0.05000		103	70-130	2	25	
Carbon Disulfide	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	0.04	25	
Carbon Tetrachloride	0.0582	0.0050	mg/kg wet	0.05000		116	70-130	2	25	
Chlorobenzene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	0.8	25	
Chloroethane	0.0509	0.0100	mg/kg wet	0.05000		102	70-130	0.3	25	
Chloroform	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	1	25	
Chloromethane	0.0561	0.0100	mg/kg wet	0.05000		112	70-130	0.7	25	
cis-1,2-Dichloroethene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	1	25	
cis-1,3-Dichloropropene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130	0.1	25	
Dibromochloromethane	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	0.2	25	
Dibromomethane	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	0.8	25	
Dichlorodifluoromethane	0.0515	0.0100	mg/kg wet	0.05000		103	70-130	3	25	
Diethyl Ether	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	2	25	
Di-isopropyl ether	0.0500	0.0050	mg/kg wet	0.05000		100	70-130	0.2	25	
Ethyl tertiary-butyl ether	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	2	25	
Ethylbenzene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	1	25	
Hexachlorobutadiene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130	0	25	
Isopropylbenzene	0.0486	0.0050	mg/kg wet	0.05000		97	70-130	1	25	
Methyl tert-Butyl Ether	0.0543	0.0050	mg/kg wet	0.05000		109	70-130	3	25	
Methylene Chloride	0.0512	0.0250	mg/kg wet	0.05000		102	70-130	2	25	
Naphthalene	0.0456	0.0050	mg/kg wet	0.05000		91	70-130	5	25	
n-Butylbenzene	0.0514	0.0050	mg/kg wet	0.05000		103	70-130	0.08	25	
n-Propylbenzene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130	0.7	25	
sec-Butylbenzene	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	0.9	25	
Styrene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	0.7	25	
tert-Butylbenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	0.3	25	
Tertiary-amyl methyl ether	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	2	25	
Tetrachloroethene	0.0592	0.0050	mg/kg wet	0.05000		118	70-130	0.4	25	
Tetrahydrofuran	0.0452	0.0050	mg/kg wet	0.05000		90	70-130	7	25	
Toluene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	0.6	25	
trans-1,2-Dichloroethene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	0.9	25	
trans-1,3-Dichloropropene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130	1	25	
Trichloroethene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	0.8	25	
Trichlorofluoromethane	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	1	25	
Vinyl Acetate	0.0392	0.0050	mg/kg wet	0.05000		78	70-130	3	25	
Vinyl Chloride	0.0582	0.0100	mg/kg wet	0.05000		116	70-130	1	25	
Xylene O	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	0.04	25	
Xylene P,M	0.107	0.0100	mg/kg wet	0.1000		107	70-130	0.4	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0515*		mg/kg wet	*0.05000*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0493*		mg/kg wet	*0.05000*		*99*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DF10905 - 5035										
Surrogate: Dibromofluoromethane	*0.0512*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.0463*		mg/kg wet	*0.05000*		*93*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch DF10710 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.93*		mg/kg wet	*5.000*		*99*	*40-140*			
LCS										
Decane (C10)	2.0	0.2	mg/kg wet	2.500		81	40-140			
Docosane (C22)	2.4	0.2	mg/kg wet	2.500		95	40-140			
Dodecane (C12)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Eicosane (C20)	2.4	0.2	mg/kg wet	2.500		94	40-140			
Hexacosane (C26)	2.4	0.2	mg/kg wet	2.500		94	40-140			
Hexadecane (C16)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		95	40-140			
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		71	30-140			
Octacosane (C28)	2.4	0.2	mg/kg wet	2.500		95	40-140			
Octadecane (C18)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Tetracosane (C24)	2.4	0.2	mg/kg wet	2.500		95	40-140			
Tetradecane (C14)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Total Petroleum Hydrocarbons	36.0	37.5	mg/kg wet	35.00		103	40-140			
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		93	40-140			
Surrogate: O-Terphenyl	*4.87*		mg/kg wet	*5.000*		*97*	*40-140*			
LCS Dup										
Decane (C10)	1.8	0.2	mg/kg wet	2.500		71	40-140	13	25	
Docosane (C22)	2.3	0.2	mg/kg wet	2.500		91	40-140	4	25	
Dodecane (C12)	2.1	0.2	mg/kg wet	2.500		83	40-140	2	25	
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500		92	40-140	3	25	

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DF10710 - 3546										
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		90	40-140	5	25	
Hexadecane (C16)	2.2	0.2	mg/kg wet	2.500		89	40-140	2	25	
Nonadecane (C19)	2.3	0.2	mg/kg wet	2.500		93	40-140	2	25	
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		72	30-140	2	25	
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		89	40-140	6	25	
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		90	40-140	3	25	
Tetracosane (C24)	2.3	0.2	mg/kg wet	2.500		91	40-140	4	25	
Tetradecane (C14)	2.2	0.2	mg/kg wet	2.500		87	40-140	2	25	
Total Petroleum Hydrocarbons	31.0	37.5	mg/kg wet	35.00		89	40-140	15	25	
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		87	40-140	6	25	
Surrogate: O-Terphenyl	*4.65*		mg/kg wet	*5.000*		*93*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DF10755 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.333	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DF10755 - 3546										
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.167	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.47*		mg/kg wet	*3.333*		*74*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21F0232

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DF10755 - 3546										
Surrogate: 2,4,6-Tribromophenol	*3.81*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.75*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.54*		mg/kg wet	*3.333*		*76*	*30-130*			
Surrogate: 2-Fluorophenol	*3.78*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.62*		mg/kg wet	*3.333*		*79*	*30-130*			
Surrogate: Phenol-d6	*3.75*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: p-Terphenyl-d14	*4.00*		mg/kg wet	*3.333*		*120*	*30-130*			
LCS										
1,1-Biphenyl	2.36	0.333	mg/kg wet	3.333		71	40-140			
1,2,4-Trichlorobenzene	2.12	0.333	mg/kg wet	3.333		64	40-140			
1,2-Dichlorobenzene	2.04	0.333	mg/kg wet	3.333		61	40-140			
1,3-Dichlorobenzene	2.04	0.333	mg/kg wet	3.333		61	40-140			
1,4-Dichlorobenzene	2.07	0.333	mg/kg wet	3.333		62	40-140			
2,3,4,6-Tetrachlorophenol	2.58	1.67	mg/kg wet	3.333		77	30-130			
2,4,5-Trichlorophenol	2.47	0.333	mg/kg wet	3.333		74	30-130			
2,4,6-Trichlorophenol	2.31	0.333	mg/kg wet	3.333		69	30-130			
2,4-Dichlorophenol	2.46	0.333	mg/kg wet	3.333		74	30-130			
2,4-Dimethylphenol	2.33	0.333	mg/kg wet	3.333		70	30-130			
2,4-Dinitrophenol	2.34	1.67	mg/kg wet	3.333		70	30-130			
2,4-Dinitrotoluene	2.89	0.333	mg/kg wet	3.333		87	40-140			
2,6-Dinitrotoluene	2.47	0.333	mg/kg wet	3.333		74	40-140			
2-Chloronaphthalene	2.24	0.333	mg/kg wet	3.333		67	40-140			
2-Chlorophenol	2.19	0.333	mg/kg wet	3.333		66	30-130			
2-Methylnaphthalene	2.23	0.333	mg/kg wet	3.333		67	40-140			
2-Methylphenol	2.19	0.333	mg/kg wet	3.333		66	30-130			
2-Nitroaniline	2.21	0.333	mg/kg wet	3.333		66	40-140			
2-Nitrophenol	2.21	0.333	mg/kg wet	3.333		66	30-130			
3,3´-Dichlorobenzidine	2.81	0.333	mg/kg wet	3.333		84	40-140			
3+4-Methylphenol	4.54	0.667	mg/kg wet	6.667		68	30-130			
3-Nitroaniline	2.39	0.333	mg/kg wet	3.333		72	40-140			
4,6-Dinitro-2-Methylphenol	2.83	1.67	mg/kg wet	3.333		85	30-130			
4-Bromophenyl-phenylether	2.44	0.333	mg/kg wet	3.333		73	40-140			
4-Chloro-3-Methylphenol	2.43	0.333	mg/kg wet	3.333		73	30-130			
4-Chloroaniline	1.94	0.667	mg/kg wet	3.333		58	40-140			
4-Chloro-phenyl-phenyl ether	2.36	0.333	mg/kg wet	3.333		71	40-140			
4-Nitroaniline	2.62	0.333	mg/kg wet	3.333		78	40-140			
4-Nitrophenol	2.40	1.67	mg/kg wet	3.333		72	30-130			
Acenaphthene	2.13	0.333	mg/kg wet	3.333		64	40-140			
Acenaphthylene	2.08	0.333	mg/kg wet	3.333		62	40-140			
Acetophenone	2.21	0.667	mg/kg wet	3.333		66	40-140			
Aniline	1.83	0.667	mg/kg wet	3.333		55	40-140			
Anthracene	2.54	0.333	mg/kg wet	3.333		76	40-140			
Azobenzene	2.36	0.333	mg/kg wet	3.333		71	40-140			
Benzo(a)anthracene	2.95	0.333	mg/kg wet	3.333		88	40-140			
Benzo(a)pyrene	2.77	0.167	mg/kg wet	3.333		83	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DF10755 - 3546										
Benzo(b)fluoranthene	2.99	0.333	mg/kg wet	3.333		90	40-140			
Benzo(g,h,i)perylene	2.84	0.333	mg/kg wet	3.333		85	40-140			
Benzo(k)fluoranthene	2.92	0.333	mg/kg wet	3.333		87	40-140			
Benzoic Acid	2.31	1.67	mg/kg wet	3.333		69	40-140			
Benzyl Alcohol	2.12	0.333	mg/kg wet	3.333		64	40-140			
bis(2-Chloroethoxy)methane	2.21	0.333	mg/kg wet	3.333		66	40-140			
bis(2-Chloroethyl)ether	2.05	0.167	mg/kg wet	3.333		61	40-140			
bis(2-chloroisopropyl)Ether	2.01	0.333	mg/kg wet	3.333		60	40-140			
bis(2-Ethylhexyl)phthalate	2.57	0.333	mg/kg wet	3.333		77	40-140			
Butylbenzylphthalate	2.54	0.333	mg/kg wet	3.333		76	40-140			
Carbazole	2.77	0.333	mg/kg wet	3.333		83	40-140			
Chrysene	2.74	0.167	mg/kg wet	3.333		82	40-140			
Dibenzo(a,h)Anthracene	2.67	0.167	mg/kg wet	3.333		80	40-140			
Dibenzofuran	2.27	0.333	mg/kg wet	3.333		68	40-140			
Diethylphthalate	2.51	0.333	mg/kg wet	3.333		75	40-140			
Dimethylphthalate	2.36	0.333	mg/kg wet	3.333		71	40-140			
Di-n-butylphthalate	2.93	0.333	mg/kg wet	3.333		88	40-140			
Di-n-octylphthalate	2.54	0.333	mg/kg wet	3.333		76	40-140			
Fluoranthene	2.85	0.333	mg/kg wet	3.333		86	40-140			
Fluorene	2.39	0.333	mg/kg wet	3.333		72	40-140			
Hexachlorobenzene	2.55	0.167	mg/kg wet	3.333		77	40-140			
Hexachlorobutadiene	2.20	0.333	mg/kg wet	3.333		66	40-140			
Hexachlorocyclopentadiene	1.59	1.67	mg/kg wet	3.333		48	40-140			
Hexachloroethane	2.11	0.333	mg/kg wet	3.333		63	40-140			
Indeno(1,2,3-cd)Pyrene	2.59	0.333	mg/kg wet	3.333		78	40-140			
Isophorone	2.01	0.333	mg/kg wet	3.333		60	40-140			
Naphthalene	2.17	0.333	mg/kg wet	3.333		65	40-140			
Nitrobenzene	2.20	0.333	mg/kg wet	3.333		66	40-140			
N-Nitrosodimethylamine	2.04	0.333	mg/kg wet	3.333		61	40-140			
N-Nitroso-Di-n-Propylamine	2.11	0.333	mg/kg wet	3.333		63	40-140			
N-nitrosodiphenylamine	2.68	0.333	mg/kg wet	3.333		80	40-140			
Pentachlorophenol	2.76	1.67	mg/kg wet	3.333		83	30-130			
Phenanthrene	2.47	0.333	mg/kg wet	3.333		74	40-140			
Phenol	2.21	0.333	mg/kg wet	3.333		66	30-130			
Pyrene	2.83	0.333	mg/kg wet	3.333		85	40-140			
Pyridine	1.84	1.67	mg/kg wet	3.333		55	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.48*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.46*		mg/kg wet	*5.000*		*89*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.80*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.71*		mg/kg wet	*3.333*		*81*	*30-130*			
Surrogate: 2-Fluorophenol	*3.83*		mg/kg wet	*5.000*		*77*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.60*		mg/kg wet	*3.333*		*78*	*30-130*			
Surrogate: Phenol-d6	*3.84*		mg/kg wet	*5.000*		*77*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.44*		mg/kg wet	*3.333*		*103*	*30-130*			
LCS Dup										

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21F0232

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DF10755 - 3546										
1,1-Biphenyl	2.48	0.333	mg/kg wet	3.333		74	40-140	5	30	
1,2,4-Trichlorobenzene	2.20	0.333	mg/kg wet	3.333		66	40-140	4	30	
1,2-Dichlorobenzene	2.12	0.333	mg/kg wet	3.333		64	40-140	3	30	
1,3-Dichlorobenzene	2.11	0.333	mg/kg wet	3.333		63	40-140	4	30	
1,4-Dichlorobenzene	2.14	0.333	mg/kg wet	3.333		64	40-140	4	30	
2,3,4,6-Tetrachlorophenol	2.85	1.67	mg/kg wet	3.333		86	30-130	10	30	
2,4,5-Trichlorophenol	2.62	0.333	mg/kg wet	3.333		79	30-130	6	30	
2,4,6-Trichlorophenol	2.52	0.333	mg/kg wet	3.333		76	30-130	9	30	
2,4-Dichlorophenol	2.56	0.333	mg/kg wet	3.333		77	30-130	4	30	
2,4-Dimethylphenol	2.43	0.333	mg/kg wet	3.333		73	30-130	4	30	
2,4-Dinitrophenol	2.68	1.67	mg/kg wet	3.333		80	30-130	14	30	
2,4-Dinitrotoluene	3.19	0.333	mg/kg wet	3.333		96	40-140	10	30	
2,6-Dinitrotoluene	2.67	0.333	mg/kg wet	3.333		80	40-140	8	30	
2-Chloronaphthalene	2.38	0.333	mg/kg wet	3.333		71	40-140	6	30	
2-Chlorophenol	2.27	0.333	mg/kg wet	3.333		68	30-130	4	30	
2-Methylnaphthalene	2.31	0.333	mg/kg wet	3.333		69	40-140	3	30	
2-Methylphenol	2.30	0.333	mg/kg wet	3.333		69	30-130	5	30	
2-Nitroaniline	2.40	0.333	mg/kg wet	3.333		72	40-140	8	30	
2-Nitrophenol	2.32	0.333	mg/kg wet	3.333		70	30-130	5	30	
3,3´-Dichlorobenzidine	3.04	0.333	mg/kg wet	3.333		91	40-140	8	30	
3+4-Methylphenol	4.72	0.667	mg/kg wet	6.667		71	30-130	4	30	
3-Nitroaniline	2.65	0.333	mg/kg wet	3.333		80	40-140	11	30	
4,6-Dinitro-2-Methylphenol	3.12	1.67	mg/kg wet	3.333		94	30-130	10	30	
4-Bromophenyl-phenylether	2.65	0.333	mg/kg wet	3.333		80	40-140	9	30	
4-Chloro-3-Methylphenol	2.58	0.333	mg/kg wet	3.333		77	30-130	6	30	
4-Chloroaniline	2.05	0.667	mg/kg wet	3.333		61	40-140	5	30	
4-Chloro-phenyl-phenyl ether	2.51	0.333	mg/kg wet	3.333		75	40-140	6	30	
4-Nitroaniline	2.84	0.333	mg/kg wet	3.333		85	40-140	8	30	
4-Nitrophenol	2.62	1.67	mg/kg wet	3.333		79	30-130	9	30	
Acenaphthene	2.28	0.333	mg/kg wet	3.333		68	40-140	7	30	
Acenaphthylene	2.22	0.333	mg/kg wet	3.333		67	40-140	7	30	
Acetophenone	2.28	0.667	mg/kg wet	3.333		68	40-140	3	30	
Aniline	1.91	0.667	mg/kg wet	3.333		57	40-140	4	30	
Anthracene	2.78	0.333	mg/kg wet	3.333		83	40-140	9	30	
Azobenzene	2.55	0.333	mg/kg wet	3.333		76	40-140	8	30	
Benzo(a)anthracene	3.17	0.333	mg/kg wet	3.333		95	40-140	7	30	
Benzo(a)pyrene	2.98	0.167	mg/kg wet	3.333		89	40-140	7	30	
Benzo(b)fluoranthene	3.32	0.333	mg/kg wet	3.333		99	40-140	10	30	
Benzo(g,h,i)perylene	3.03	0.333	mg/kg wet	3.333		91	40-140	6	30	
Benzo(k)fluoranthene	3.05	0.333	mg/kg wet	3.333		92	40-140	5	30	
Benzoic Acid	2.54	1.67	mg/kg wet	3.333		76	40-140	9	30	
Benzyl Alcohol	2.25	0.333	mg/kg wet	3.333		67	40-140	6	30	
bis(2-Chloroethoxy)methane	2.28	0.333	mg/kg wet	3.333		68	40-140	3	30	
bis(2-Chloroethyl)ether	2.11	0.167	mg/kg wet	3.333		63	40-140	3	30	
bis(2-chloroisopropyl)Ether	2.09	0.333	mg/kg wet	3.333		63	40-140	4	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21F0232

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DF10755 - 3546										
bis(2-Ethylhexyl)phthalate	2.78	0.333	mg/kg wet	3.333		83	40-140	8	30	
Butylbenzylphthalate	2.76	0.333	mg/kg wet	3.333		83	40-140	8	30	
Carbazole	2.98	0.333	mg/kg wet	3.333		89	40-140	7	30	
Chrysene	2.94	0.167	mg/kg wet	3.333		88	40-140	7	30	
Dibenzo(a,h)Anthracene	2.85	0.167	mg/kg wet	3.333		86	40-140	7	30	
Dibenzofuran	2.42	0.333	mg/kg wet	3.333		73	40-140	6	30	
Diethylphthalate	2.73	0.333	mg/kg wet	3.333		82	40-140	8	30	
Dimethylphthalate	2.52	0.333	mg/kg wet	3.333		76	40-140	6	30	
Di-n-butylphthalate	3.16	0.333	mg/kg wet	3.333		95	40-140	7	30	
Di-n-octylphthalate	2.77	0.333	mg/kg wet	3.333		83	40-140	9	30	
Fluoranthene	3.10	0.333	mg/kg wet	3.333		93	40-140	8	30	
Fluorene	2.57	0.333	mg/kg wet	3.333		77	40-140	7	30	
Hexachlorobenzene	2.77	0.167	mg/kg wet	3.333		83	40-140	8	30	
Hexachlorobutadiene	2.28	0.333	mg/kg wet	3.333		69	40-140	4	30	
Hexachlorocyclopentadiene	1.70	1.67	mg/kg wet	3.333		51	40-140	7	30	
Hexachloroethane	2.22	0.333	mg/kg wet	3.333		67	40-140	5	30	
Indeno(1,2,3-cd)Pyrene	2.85	0.333	mg/kg wet	3.333		85	40-140	9	30	
Isophorone	2.12	0.333	mg/kg wet	3.333		64	40-140	5	30	
Naphthalene	2.25	0.333	mg/kg wet	3.333		67	40-140	4	30	
Nitrobenzene	2.30	0.333	mg/kg wet	3.333		69	40-140	5	30	
N-Nitrosodimethylamine	2.16	0.333	mg/kg wet	3.333		65	40-140	6	30	
N-Nitroso-Di-n-Propylamine	2.22	0.333	mg/kg wet	3.333		67	40-140	5	30	
N-nitrosodiphenylamine	2.89	0.333	mg/kg wet	3.333		87	40-140	8	30	
Pentachlorophenol	3.02	1.67	mg/kg wet	3.333		91	30-130	9	30	
Phenanthrene	2.67	0.333	mg/kg wet	3.333		80	40-140	8	30	
Phenol	2.33	0.333	mg/kg wet	3.333		70	30-130	5	30	
Pyrene	3.04	0.333	mg/kg wet	3.333		91	40-140	7	30	
Pyridine	1.93	1.67	mg/kg wet	3.333		58	40-140	5	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.48*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.68*		mg/kg wet	*5.000*		*94*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.86*		mg/kg wet	*5.000*		*77*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.76*		mg/kg wet	*3.333*		*83*	*30-130*			
Surrogate: 2-Fluorophenol	*3.87*		mg/kg wet	*5.000*		*77*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.65*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: Phenol-d6	*3.91*		mg/kg wet	*5.000*		*78*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.61*		mg/kg wet	*3.333*		*108*	*30-130*			
Classical Chemistry										
Batch DF11116 - TCN Prep										
Blank										
Total Cyanide	ND	1.00	mg/kg wet							
LCS										
Total Cyanide	4.89	1.00	mg/kg wet	5.015		97	90-110			
Reference										

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21F0232

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Classical Chemistry										
Batch DF11116 - TCN Prep										
Total Cyanide	44.7	4.96	mg/kg wet	48.80		92	22.9-122.9			
Reference										
Total Cyanide	45.3	4.99	mg/kg wet	48.80		93	22.9-122.9			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21F0232

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
ICV+	Initial Calibration Verification recovery is above upper control limit (ICV+).
ICV-	Initial Calibration Verification recovery is below lower control limit (ICV-).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21F0232

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

Sterling Analytical, Inc.
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West Springfield, MA 01089
Phone (413) 214-6541 Fax (413) 214-6842
email-madhu@sterlinganalytical.com

Visit our website: www.sterlinganalytical.com

Mass Certification - MA-00071
Conn Certification - PH-0520

Report Date June 14, 2021

Customer	Contact	Laboratory Supervisor	eMail
ESS Laboratory	S. Morrell	Madhu Shah	customerservice@sterlinganalytical.com

Sample Description
Analysis of Soil Samples

Samples Analyzed

Enclosed are Report No(s): 73928..73931

Sulfur Total Blank = <0.05ppm

LCS Lo Check 0.100 = 0.101ppm

ICV 1.00 = 1.040ppm

Thank you for your business

madhu shah

Madhu Shah, Laboratory Supervisor

6/14/2021

Date

ALL the information contained in this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method.
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Sample	Description	Source	Taken/Time	Received
73928	21F0232-01	ESS Laboratory	6/7/21	6/8/21

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	219	mg/kg	100.00	SW 846 6010	06/10/21	dfp

Sample	Description	Source	Taken/Time	Received
73929	21F0232-02	ESS Laboratory	6/7/21	6/8/21

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	133	mg/kg	100.00	SW 846 6010	06/10/21	dfp

Sample	Description	Source	Taken/Time	Received
73930	21F0232-03	ESS Laboratory	6/7/21	6/8/21

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	192	mg/kg	100.00	SW 846 6010	06/10/21	dfp

Sample	Description	Source	Taken/Time	Received
73931	21F0232-04	ESS Laboratory	6/7/21	6/8/21

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	139	mg/kg	100.00	SW 846 6010	06/10/21	dfp

ESS Laboratory — Sterling — CHAIN OF CUSTODY

ESS Lab # 21F0232

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

Turn Time **DUE DATE: 6/14/21**

Regulatory State: MA **RI** CT NH NJ NY ME Other_____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other_____

Reporting Limits - _____

Electonic Deliverables Excel Access PDF

Co. Name	Project #	Project Name	PO #
ESS LABORATORY		21F0232	B03046

Contact Person: Shawn Morrell / Heather Masse
Address:
City: State: Zip:
Tel.
Email: Smorrell@thielsch.com; Hmasse@thielsch.com

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	Analysis: Total Sulfur 6010 mg/Kg
	6/7/21	1452	C	S	21F0232-01					X
	6/7/21	1458	C	S	21F0232-02					X
	6/7/21	1504	C	S	21F0232-03					X
	6/7/21	1509	C	S	21F0232-04					X

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present ✓ Yes ____ No

Seals Intact ____ Yes ____ No NA: ____

Cooler Temperature: _____

Internal Use Only
[ ] Pickup
[ ] Technician___

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Sampled by :

Comments: QC required MB and LCS

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
6/8/21 9:40	6/8/21 8:45	6/8/21 13:25	6/8/21 13:25
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: Client

ESS Project ID: 21F0232
Date Received: 6/7/2021
Project Due Date: 6/14/2021
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 17 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No (NA)
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? (Yes) / No
    ESS Sample IDs: 1-4
    Analysis: Sulfur
    TAT: 5 day
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA
13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: _____ Time: _____ By: _____
    b. Low Level VOA vials frozen: Date: 6/7/21 Time: 1135 By: KL

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / No
    Who was contacted? _____ Date: _____ Time: _____ By: _____

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	174365	Yes	N/A	Yes	VOA Vial	MeOH	
1	174369	Yes	N/A	Yes	VOA Vial	DI Water	
1	174370	Yes	N/A	Yes	VOA Vial	DI Water	
1	174377	Yes	N/A	Yes	8 oz jar	NP	
1	174378	Yes	N/A	Yes	8 oz jar	NP	
2	174366	Yes	N/A	Yes	VOA Vial	MeOH	
2	174371	Yes	N/A	Yes	VOA Vial	DI Water	
2	174372	Yes	N/A	Yes	VOA Vial	DI Water	
2	174379	Yes	N/A	Yes	8 oz jar	NP	
2	174380	Yes	N/A	Yes	8 oz jar	NP	
3	174367	Yes	N/A	Yes	VOA Vial	MeOH	
3	174373	Yes	N/A	Yes	VOA Vial	DI Water	
3	174374	Yes	N/A	Yes	VOA Vial	DI Water	
3	174381	Yes	N/A	Yes	8 oz jar	NP	
3	174382	Yes	N/A	Yes	8 oz jar	NP	
4	174368	Yes	N/A	Yes	VOA Vial	MeOH	

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 21F0232

Date Received: 6/7/2021

4	174375	Yes	N/A	Yes	VOA Vial	DI Water
4	174376	Yes	N/A	Yes	VOA Vial	DI Water
4	174383	Yes	N/A	Yes	8 oz jar	NP
4	174384	Yes	N/A	Yes	8 oz jar	NP

2nd Review

Were all containers scanned into storage/lab? Initials: JW

Are barcode labels on correct containers?	Yes / No
Are all Flashpoint stickers attached/container ID # circled?	Yes / No / NA
Are all Hex Chrome stickers attached?	Yes / No / NA
Are all QC stickers attached?	Yes / No / NA
Are VOA stickers attached if bubbles noted?	Yes / No / NA

Completed By: [signature] Date & Time: 6/7/21 1627

Reviewed By: [signature] Date & Time: 6/7/21 1630

185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 21F0232 | Page of

Turn Time: ☐ >5 ☑ 5 ☐ 4 ☐ 3 ☐ 2 ☐ 1 ☐ Same Day

Regulatory State: Criteria:

Is this project for any of the following?: ☐ CT RCP ☐ MA MCP ☐ RGP ☑ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF)

☐ Limit Checker ☐ State Forms ☐ BQuIS
☐ Excel ☐ Hard Copy ☐ Enviro Data
☐ CLP-Like Package ☐ Other (Specify) →

CLIENT INFORMATION

Client: GZA
Address: 188 Valley Street Suite 300, Providence RI
Phone: 401-500-1483
Email Distribution List: Sara.haupt@gza.com

PROJECT INFORMATION

Project Name: FPLP STRAP COMPLIANCE
Project Location: 642 Allens Avenue
Project Number: 33554.04 Task 6.0
Project Manager: Sara Haupt
Bill to: Sara Haupt
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	TPH	VOCs	SVOCs	RCRA 8 Metals	Total Sulfur	Total Cyanide	Total Number of Bottles
1	06/07/21	1452	Comp	Soil	SP060721-1	X	X	X	X	X	X	5
2	06/07/21	1458	Comp	Soil	SP060721-2	X	X	X	X	X	X	5
3	06/07/21	1504	Comp	Soil	SP060721-3	X	X	X	X	X	X	5
4	06/07/21	1509	Comp	Soil	SP060721-4	X	X	X	X	X	X	5

Container Type:	AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial					AG	V	AG	AG	AG	AG	
Container Volume:	1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*					10	7	10	10	10	10	
Preservation Code:	1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*					1	6 10	1	1	1	1	

Sampled by :

Chain needs to be filled out neatly and completely for on time delivery.

Laboratory Use Only
Cooler Temperature (°C): 17.0 ice

Comments: * Please specify "Other" preservative and containers types in this space
1) National Grid rates apply
2) TCLP > 20 x Rule

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration ☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
[signature]	06/07/21	1600	[signature]				

CERTIFICATE OF ANALYSIS

Sara Haupt
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: FPLP (3355404 Task 6.0)
ESS Laboratory Work Order Number: 21H0604

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 12:23 pm, Aug 26, 2021

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Sterling Analytical Lab - West Springfield, MA	Sulfur, Sulfur (Subcontracted)

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21H0604

SAMPLE RECEIPT

The following samples were received on August 18, 2021 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on August 18, 2021 at 11:55.

Lab Number	Sample Name	Matrix	Analysis
21H0604-01	SP081821-1	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014
21H0604-02	SP081821-2	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014
21H0604-03	SP081821-3	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014
21H0604-04	SP081821-4	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21H0604

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

DH11928-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
Acetone (29% @ 25%)

8100M Total Petroleum Hydrocarbons

D1H0331-CCV4 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Nonadecane (C19) (24% @ 20%)

D1H0378-CCV3 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
O-Terphenyl (23% @ 20%)

D1H0378-CCV4 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
O-Terphenyl (23% @ 20%)

D1H0427-CCV2 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Nonadecane (C19) (21% @ 20%)

8270D Semi-Volatile Organic Compounds

D1H0295-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (98% @ 80-120%), 4,6-Dinitro-2-Methylphenol (96% @ 80-120%), Benzoic Acid (84% @ 80-120%), Pentachlorophenol (91% @ 80-120%)

D1H0295-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Indeno(1,2,3-cd)Pyrene (21% @ 20%)

D1H0295-CCV1 **Initial Calibration Verification recovery is above upper control limit (ICV+).**
2,4-Dinitrophenol

D1H0366-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (95% @ 80-120%), 4,6-Dinitro-2-Methylphenol (84% @ 80-120%), Benzoic Acid (82% @ 80-120%), Pentachlorophenol (66% @ 80-120%)

D1H0366-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
4-Nitrophenol (21% @ 20%), Pentachlorophenol (34% @ 20%)

Total Metals

DH11965-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
Mercury (25% @ 20%)

No other observations noted.

End of Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21H0604

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-1
Date Sampled: 08/18/21 09:30
Percent Solids: 94

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.49)		6010C		1	KJK	08/20/21 15:45	2.13	100	DH11961
Barium	**14.0** (2.49)		6010C		1	KJK	08/20/21 15:45	2.13	100	DH11961
Cadmium	ND (0.50)		6010C		1	KJK	08/20/21 15:45	2.13	100	DH11961
Chromium	**2.13** (1.00)		6010C		1	KJK	08/20/21 15:45	2.13	100	DH11961
Lead	**5.52** (4.98)		6010C		1	KJK	08/20/21 15:45	2.13	100	DH11961
Mercury	ND (0.031)		7471B		1	JRB	08/20/21 16:10	0.67	40	DH11965
Selenium	ND (4.98)		6010C		1	KJK	08/20/21 15:45	2.13	100	DH11961
Silver	ND (1.00)		6010C		2	KJK	08/20/21 16:56	2.13	100	DH11961

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-1
Date Sampled: 08/18/21 09:30
Percent Solids: 94
Initial Volume: 7.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1,1,1-Trichloroethane	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1,1,2,2-Tetrachloroethane	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1,1,2-Trichloroethane	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1,1-Dichloroethane	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1,1-Dichloroethene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1,1-Dichloropropene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1,2,3-Trichlorobenzene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1,2,3-Trichloropropane	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1,2,4-Trichlorobenzene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1,2,4-Trimethylbenzene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1,2-Dibromo-3-Chloropropane	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1,2-Dibromoethane	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1,2-Dichlorobenzene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1,2-Dichloroethane	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1,2-Dichloropropane	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1,3,5-Trimethylbenzene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1,3-Dichlorobenzene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1,3-Dichloropropane	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1,4-Dichlorobenzene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1,4-Dioxane	ND (0.0672)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
1-Chlorohexane	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
2,2-Dichloropropane	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
2-Butanone	ND (0.0336)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
2-Chlorotoluene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
2-Hexanone	ND (0.0336)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
4-Chlorotoluene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
4-Isopropyltoluene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
4-Methyl-2-Pentanone	ND (0.0336)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Acetone	ND (0.0336)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Benzene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Bromobenzene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-1
Date Sampled: 08/18/21 09:30
Percent Solids: 94
Initial Volume: 7.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Bromodichloromethane	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Bromoform	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Bromomethane	ND (0.0067)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Carbon Disulfide	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Carbon Tetrachloride	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Chlorobenzene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Chloroethane	ND (0.0067)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Chloroform	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Chloromethane	ND (0.0067)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
cis-1,2-Dichloroethene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
cis-1,3-Dichloropropene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Dibromochloromethane	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Dibromomethane	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Dichlorodifluoromethane	ND (0.0067)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Diethyl Ether	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Di-isopropyl ether	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Ethyl tertiary-butyl ether	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Ethylbenzene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Hexachlorobutadiene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Isopropylbenzene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Methyl tert-Butyl Ether	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Methylene Chloride	ND (0.0168)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Naphthalene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
n-Butylbenzene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
n-Propylbenzene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
sec-Butylbenzene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Styrene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
tert-Butylbenzene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Tertiary-amyl methyl ether	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Tetrachloroethene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Tetrahydrofuran	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-1
Date Sampled: 08/18/21 09:30
Percent Solids: 94
Initial Volume: 7.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
trans-1,2-Dichloroethene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
trans-1,3-Dichloropropene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Trichloroethene	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Trichlorofluoromethane	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Vinyl Acetate	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Vinyl Chloride	ND (0.0067)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Xylene O	ND (0.0034)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Xylene P,M	ND (0.0067)		8260B Low		1	08/19/21 19:09	D1H0318	DH11928
Xylenes (Total)	ND (0.00672)		8260B Low		1	08/19/21 19:09		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*112 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*99 %*		*70-130*
Surrogate: Dibromofluoromethane	*102 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-1
Date Sampled: 08/18/21 09:30
Percent Solids: 94
Initial Volume: 19.8
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 8/18/21 15:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**62.5** (40.2)		8100M		1	08/24/21 15:10	D1H0378	DH11804

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*116 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-1
Date Sampled: 08/18/21 09:30
Percent Solids: 94
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/18/21 14:28

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
1,2,4-Trichlorobenzene	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
1,2-Dichlorobenzene	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
1,3-Dichlorobenzene	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
1,4-Dichlorobenzene	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
2,3,4,6-Tetrachlorophenol	ND (1.86)		8270D		1	08/23/21 20:29	D1H0366	DH11805
2,4,5-Trichlorophenol	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
2,4,6-Trichlorophenol	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
2,4-Dichlorophenol	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
2,4-Dimethylphenol	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
2,4-Dinitrophenol	ND (1.86)		8270D		1	08/23/21 20:29	D1H0366	DH11805
2,4-Dinitrotoluene	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
2,6-Dinitrotoluene	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
2-Chloronaphthalene	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
2-Chlorophenol	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
2-Methylnaphthalene	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
2-Methylphenol	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
2-Nitroaniline	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
2-Nitrophenol	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
3,3′-Dichlorobenzidine	ND (0.743)		8270D		1	08/23/21 20:29	D1H0366	DH11805
3+4-Methylphenol	ND (0.743)		8270D		1	08/23/21 20:29	D1H0366	DH11805
3-Nitroaniline	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
4,6-Dinitro-2-Methylphenol	ND (1.86)		8270D		1	08/23/21 20:29	D1H0366	DH11805
4-Bromophenyl-phenylether	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
4-Chloro-3-Methylphenol	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
4-Chloroaniline	ND (0.743)		8270D		1	08/23/21 20:29	D1H0366	DH11805
4-Chloro-phenyl-phenyl ether	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
4-Nitroaniline	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
4-Nitrophenol	ND (1.86)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Acenaphthene	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Acenaphthylene	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Acetophenone	ND (0.743)		8270D		1	08/23/21 20:29	D1H0366	DH11805

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-1
Date Sampled: 08/18/21 09:30
Percent Solids: 94
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/18/21 14:28

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.743)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Anthracene	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Azobenzene	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Benzo(a)anthracene	**0.373** (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Benzo(a)pyrene	**0.400** (0.186)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Benzo(b)fluoranthene	**0.436** (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Benzo(g,h,i)perylene	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Benzo(k)fluoranthene	**0.403** (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Benzoic Acid	ND (1.86)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Benzyl Alcohol	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
bis(2-Chloroethoxy)methane	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
bis(2-Chloroethyl)ether	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
bis(2-chloroisopropyl)Ether	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
bis(2-Ethylhexyl)phthalate	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Butylbenzylphthalate	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Carbazole	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Chrysene	**0.547** (0.186)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Dibenzo(a,h)Anthracene	ND (0.186)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Dibenzofuran	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Diethylphthalate	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Dimethylphthalate	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Di-n-butylphthalate	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Di-n-octylphthalate	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Fluoranthene	**0.980** (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Fluorene	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Hexachlorobenzene	ND (0.186)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Hexachlorobutadiene	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Hexachlorocyclopentadiene	ND (1.86)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Hexachloroethane	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Indeno(1,2,3-cd)Pyrene	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Isophorone	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Naphthalene	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-1
Date Sampled: 08/18/21 09:30
Percent Solids: 94
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/18/21 14:28

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
N-Nitrosodimethylamine	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
N-Nitroso-Di-n-Propylamine	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
N-nitrosodiphenylamine	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Pentachlorophenol	ND (1.86)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Phenanthrene	**0.404** (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Phenol	ND (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Pyrene	**0.824** (0.371)		8270D		1	08/23/21 20:29	D1H0366	DH11805
Pyridine	ND (1.86)		8270D		1	08/23/21 20:29	D1H0366	DH11805

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*57 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*75 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*63 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*61 %*		*30-130*
Surrogate: 2-Fluorophenol	*62 %*		*30-130*
Surrogate: Nitrobenzene-d5	*58 %*		*30-130*
Surrogate: Phenol-d6	*65 %*		*30-130*
Surrogate: p-Terphenyl-d14	*78 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-1
Date Sampled: 08/18/21 09:30
Percent Solids: 94

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	ND (1.00)		9014		1	EEM	08/23/21 12:10	mg/kg dry	DH12327

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-1
Date Sampled: 08/18/21 09:30
Percent Solids: 94
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-01
Sample Matrix: Soil

Analyst: SUB
Prepared: 8/26/21 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	ND (100)		6010		1	SUB	08/26/21 0:00	mg/kg	DH12632

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-2
Date Sampled: 08/18/21 09:35
Percent Solids: 96

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.56)		6010C		1	KJK	08/20/21 15:46	2.04	100	DH11961
Barium	**10.6** (2.56)		6010C		1	KJK	08/20/21 15:46	2.04	100	DH11961
Cadmium	ND (0.51)		6010C		1	KJK	08/20/21 15:46	2.04	100	DH11961
Chromium	**2.05** (1.02)		6010C		1	KJK	08/20/21 15:46	2.04	100	DH11961
Lead	ND (5.11)		6010C		1	KJK	08/20/21 15:46	2.04	100	DH11961
Mercury	ND (0.033)		7471B		1	JRB	08/20/21 16:12	0.63	40	DH11965
Selenium	ND (5.11)		6010C		1	KJK	08/20/21 15:46	2.04	100	DH11961
Silver	ND (0.51)		6010C		1	KJK	08/20/21 15:46	2.04	100	DH11961

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-2
Date Sampled: 08/18/21 09:35
Percent Solids: 96
Initial Volume: 9.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1,1,1-Trichloroethane	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1,1,2,2-Tetrachloroethane	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1,1,2-Trichloroethane	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1,1-Dichloroethane	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1,1-Dichloroethene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1,1-Dichloropropene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1,2,3-Trichlorobenzene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1,2,3-Trichloropropane	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1,2,4-Trichlorobenzene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1,2,4-Trimethylbenzene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1,2-Dibromo-3-Chloropropane	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1,2-Dibromoethane	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1,2-Dichlorobenzene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1,2-Dichloroethane	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1,2-Dichloropropane	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1,3,5-Trimethylbenzene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1,3-Dichlorobenzene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1,3-Dichloropropane	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1,4-Dichlorobenzene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1,4-Dioxane	ND (0.0549)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
1-Chlorohexane	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
2,2-Dichloropropane	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
2-Butanone	ND (0.0275)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
2-Chlorotoluene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
2-Hexanone	ND (0.0275)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
4-Chlorotoluene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
4-Isopropyltoluene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
4-Methyl-2-Pentanone	ND (0.0275)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Acetone	ND (0.0275)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Benzene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Bromobenzene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-2
Date Sampled: 08/18/21 09:35
Percent Solids: 96
Initial Volume: 9.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Bromodichloromethane	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Bromoform	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Bromomethane	ND (0.0055)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Carbon Disulfide	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Carbon Tetrachloride	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Chlorobenzene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Chloroethane	ND (0.0055)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Chloroform	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Chloromethane	ND (0.0055)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
cis-1,2-Dichloroethene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
cis-1,3-Dichloropropene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Dibromochloromethane	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Dibromomethane	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Dichlorodifluoromethane	ND (0.0055)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Diethyl Ether	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Di-isopropyl ether	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Ethyl tertiary-butyl ether	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Ethylbenzene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Hexachlorobutadiene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Isopropylbenzene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Methyl tert-Butyl Ether	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Methylene Chloride	ND (0.0137)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Naphthalene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
n-Butylbenzene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
n-Propylbenzene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
sec-Butylbenzene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Styrene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
tert-Butylbenzene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Tertiary-amyl methyl ether	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Tetrachloroethene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Tetrahydrofuran	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-2
Date Sampled: 08/18/21 09:35
Percent Solids: 96
Initial Volume: 9.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
trans-1,2-Dichloroethene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
trans-1,3-Dichloropropene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Trichloroethene	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Trichlorofluoromethane	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Vinyl Acetate	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Vinyl Chloride	ND (0.0055)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Xylene O	ND (0.0027)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Xylene P,M	ND (0.0055)		8260B Low		1	08/19/21 19:35	D1H0318	DH11928
Xylenes (Total)	ND (0.00549)		8260B Low		1	08/19/21 19:35		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*111 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*104 %*		*70-130*
Surrogate: Toluene-d8	*96 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-2
Date Sampled: 08/18/21 09:35
Percent Solids: 96
Initial Volume: 19.7
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 8/18/21 15:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**42.3** (39.7)		8100M		1	08/25/21 4:14	D1H0427	DH11804

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*125 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-2
Date Sampled: 08/18/21 09:35
Percent Solids: 96
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/18/21 14:28

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
1,2,4-Trichlorobenzene	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
1,2-Dichlorobenzene	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
1,3-Dichlorobenzene	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
1,4-Dichlorobenzene	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
2,3,4,6-Tetrachlorophenol	ND (1.75)		8270D		1	08/23/21 21:00	D1H0366	DH11805
2,4,5-Trichlorophenol	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
2,4,6-Trichlorophenol	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
2,4-Dichlorophenol	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
2,4-Dimethylphenol	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
2,4-Dinitrophenol	ND (1.75)		8270D		1	08/23/21 21:00	D1H0366	DH11805
2,4-Dinitrotoluene	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
2,6-Dinitrotoluene	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
2-Chloronaphthalene	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
2-Chlorophenol	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
2-Methylnaphthalene	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
2-Methylphenol	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
2-Nitroaniline	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
2-Nitrophenol	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
3,3′-Dichlorobenzidine	ND (0.701)		8270D		1	08/23/21 21:00	D1H0366	DH11805
3+4-Methylphenol	ND (0.701)		8270D		1	08/23/21 21:00	D1H0366	DH11805
3-Nitroaniline	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
4,6-Dinitro-2-Methylphenol	ND (1.75)		8270D		1	08/23/21 21:00	D1H0366	DH11805
4-Bromophenyl-phenylether	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
4-Chloro-3-Methylphenol	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
4-Chloroaniline	ND (0.701)		8270D		1	08/23/21 21:00	D1H0366	DH11805
4-Chloro-phenyl-phenyl ether	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
4-Nitroaniline	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
4-Nitrophenol	ND (1.75)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Acenaphthene	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Acenaphthylene	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Acetophenone	ND (0.701)		8270D		1	08/23/21 21:00	D1H0366	DH11805

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-2
Date Sampled: 08/18/21 09:35
Percent Solids: 96
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/18/21 14:28

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.701)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Anthracene	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Azobenzene	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Benzo(a)anthracene	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Benzo(a)pyrene	**0.367** (0.175)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Benzo(b)fluoranthene	**0.412** (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Benzo(g,h,i)perylene	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Benzo(k)fluoranthene	**0.373** (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Benzoic Acid	ND (1.75)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Benzyl Alcohol	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
bis(2-Chloroethoxy)methane	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
bis(2-Chloroethyl)ether	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
bis(2-chloroisopropyl)Ether	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
bis(2-Ethylhexyl)phthalate	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Butylbenzylphthalate	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Carbazole	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Chrysene	**0.512** (0.175)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Dibenzo(a,h)Anthracene	ND (0.175)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Dibenzofuran	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Diethylphthalate	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Dimethylphthalate	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Di-n-butylphthalate	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Di-n-octylphthalate	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Fluoranthene	**0.912** (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Fluorene	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Hexachlorobenzene	ND (0.175)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Hexachlorobutadiene	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Hexachlorocyclopentadiene	ND (1.75)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Hexachloroethane	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Indeno(1,2,3-cd)Pyrene	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Isophorone	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Naphthalene	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-2
Date Sampled: 08/18/21 09:35
Percent Solids: 96
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/18/21 14:28

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
N-Nitrosodimethylamine	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
N-Nitroso-Di-n-Propylamine	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
N-nitrosodiphenylamine	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Pentachlorophenol	ND (1.75)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Phenanthrene	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Phenol	ND (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Pyrene	**0.733** (0.350)		8270D		1	08/23/21 21:00	D1H0366	DH11805
Pyridine	ND (1.75)		8270D		1	08/23/21 21:00	D1H0366	DH11805

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*68 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*86 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*73 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*74 %*		*30-130*
Surrogate: 2-Fluorophenol	*75 %*		*30-130*
Surrogate: Nitrobenzene-d5	*73 %*		*30-130*
Surrogate: Phenol-d6	*76 %*		*30-130*
Surrogate: p-Terphenyl-d14	*92 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-2
Date Sampled: 08/18/21 09:35
Percent Solids: 96

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-02
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	ND (1.03)		9014		1	EEM	08/23/21 12:10	mg/kg dry	DH12327

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-2
Date Sampled: 08/18/21 09:35
Percent Solids: 96
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-02
Sample Matrix: Soil

Analyst: SUB
Prepared: 8/26/21 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	ND (100)		6010		1	SUB	08/26/21 0:00	mg/kg	DH12632

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-3
Date Sampled: 08/18/21 09:42
Percent Solids: 97

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-03
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.45)		6010C		1	KJK	08/20/21 15:48	2.1	100	DH11961
Barium	**7.83** (2.45)		6010C		1	KJK	08/20/21 15:48	2.1	100	DH11961
Cadmium	ND (0.49)		6010C		1	KJK	08/20/21 15:48	2.1	100	DH11961
Chromium	**1.38** (0.98)		6010C		1	KJK	08/20/21 15:48	2.1	100	DH11961
Lead	ND (4.89)		6010C		1	KJK	08/20/21 15:48	2.1	100	DH11961
Mercury	ND (0.033)		7471B		1	JRB	08/20/21 16:14	0.62	40	DH11965
Selenium	ND (4.89)		6010C		1	KJK	08/20/21 15:48	2.1	100	DH11961
Silver	ND (0.49)		6010C		1	KJK	08/20/21 15:48	2.1	100	DH11961

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-3
Date Sampled: 08/18/21 09:42
Percent Solids: 97
Initial Volume: 10.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1,1,1-Trichloroethane	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1,1,2,2-Tetrachloroethane	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1,1,2-Trichloroethane	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1,1-Dichloroethane	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1,1-Dichloroethene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1,1-Dichloropropene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1,2,3-Trichlorobenzene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1,2,3-Trichloropropane	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1,2,4-Trichlorobenzene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1,2,4-Trimethylbenzene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1,2-Dibromo-3-Chloropropane	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1,2-Dibromoethane	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1,2-Dichlorobenzene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1,2-Dichloroethane	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1,2-Dichloropropane	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1,3,5-Trimethylbenzene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1,3-Dichlorobenzene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1,3-Dichloropropane	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1,4-Dichlorobenzene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1,4-Dioxane	ND (0.0509)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
1-Chlorohexane	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
2,2-Dichloropropane	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
2-Butanone	ND (0.0254)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
2-Chlorotoluene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
2-Hexanone	ND (0.0254)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
4-Chlorotoluene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
4-Isopropyltoluene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
4-Methyl-2-Pentanone	ND (0.0254)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Acetone	ND (0.0254)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Benzene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Bromobenzene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-3
Date Sampled: 08/18/21 09:42
Percent Solids: 97
Initial Volume: 10.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Bromodichloromethane	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Bromoform	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Bromomethane	ND (0.0051)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Carbon Disulfide	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Carbon Tetrachloride	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Chlorobenzene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Chloroethane	ND (0.0051)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Chloroform	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Chloromethane	ND (0.0051)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
cis-1,2-Dichloroethene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
cis-1,3-Dichloropropene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Dibromochloromethane	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Dibromomethane	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Dichlorodifluoromethane	ND (0.0051)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Diethyl Ether	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Di-isopropyl ether	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Ethyl tertiary-butyl ether	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Ethylbenzene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Hexachlorobutadiene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Isopropylbenzene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Methyl tert-Butyl Ether	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Methylene Chloride	ND (0.0127)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Naphthalene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
n-Butylbenzene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
n-Propylbenzene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
sec-Butylbenzene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Styrene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
tert-Butylbenzene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Tertiary-amyl methyl ether	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Tetrachloroethene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Tetrahydrofuran	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-3
Date Sampled: 08/18/21 09:42
Percent Solids: 97
Initial Volume: 10.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
trans-1,2-Dichloroethene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
trans-1,3-Dichloropropene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Trichloroethene	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Trichlorofluoromethane	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Vinyl Acetate	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Vinyl Chloride	ND (0.0051)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Xylene O	ND (0.0025)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Xylene P,M	ND (0.0051)		8260B Low		1	08/19/21 20:00	D1H0318	DH11928
Xylenes (Total)	ND (0.00509)		8260B Low		1	08/19/21 20:00		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*113 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*103 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-3
Date Sampled: 08/18/21 09:42
Percent Solids: 97
Initial Volume: 19.4
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 8/18/21 15:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (39.7)		8100M		1	08/25/21 4:47	D1H0427	DH11804

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*128 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-3
Date Sampled: 08/18/21 09:42
Percent Solids: 97
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/18/21 14:28

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
1,2,4-Trichlorobenzene	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
1,2-Dichlorobenzene	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
1,3-Dichlorobenzene	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
1,4-Dichlorobenzene	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
2,3,4,6-Tetrachlorophenol	ND (1.74)		8270D		1	08/23/21 21:31	D1H0366	DH11805
2,4,5-Trichlorophenol	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
2,4,6-Trichlorophenol	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
2,4-Dichlorophenol	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
2,4-Dimethylphenol	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
2,4-Dinitrophenol	ND (1.74)		8270D		1	08/23/21 21:31	D1H0366	DH11805
2,4-Dinitrotoluene	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
2,6-Dinitrotoluene	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
2-Chloronaphthalene	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
2-Chlorophenol	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
2-Methylnaphthalene	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
2-Methylphenol	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
2-Nitroaniline	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
2-Nitrophenol	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
3,3′-Dichlorobenzidine	ND (0.695)		8270D		1	08/23/21 21:31	D1H0366	DH11805
3+4-Methylphenol	ND (0.695)		8270D		1	08/23/21 21:31	D1H0366	DH11805
3-Nitroaniline	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
4,6-Dinitro-2-Methylphenol	ND (1.74)		8270D		1	08/23/21 21:31	D1H0366	DH11805
4-Bromophenyl-phenylether	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
4-Chloro-3-Methylphenol	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
4-Chloroaniline	ND (0.695)		8270D		1	08/23/21 21:31	D1H0366	DH11805
4-Chloro-phenyl-phenyl ether	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
4-Nitroaniline	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
4-Nitrophenol	ND (1.74)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Acenaphthene	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Acenaphthylene	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Acetophenone	ND (0.695)		8270D		1	08/23/21 21:31	D1H0366	DH11805

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-3
Date Sampled: 08/18/21 09:42
Percent Solids: 97
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/18/21 14:28

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.695)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Anthracene	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Azobenzene	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Benzo(a)anthracene	**0.382** (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Benzo(a)pyrene	**0.393** (0.174)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Benzo(b)fluoranthene	**0.422** (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Benzo(g,h,i)perylene	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Benzo(k)fluoranthene	**0.387** (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Benzoic Acid	ND (1.74)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Benzyl Alcohol	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
bis(2-Chloroethoxy)methane	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
bis(2-Chloroethyl)ether	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
bis(2-chloroisopropyl)Ether	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
bis(2-Ethylhexyl)phthalate	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Butylbenzylphthalate	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Carbazole	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Chrysene	**0.536** (0.174)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Dibenzo(a,h)Anthracene	ND (0.174)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Dibenzofuran	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Diethylphthalate	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Dimethylphthalate	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Di-n-butylphthalate	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Di-n-octylphthalate	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Fluoranthene	**1.00** (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Fluorene	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Hexachlorobenzene	ND (0.174)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Hexachlorobutadiene	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Hexachlorocyclopentadiene	ND (1.74)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Hexachloroethane	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Indeno(1,2,3-cd)Pyrene	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Isophorone	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Naphthalene	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-3
Date Sampled: 08/18/21 09:42
Percent Solids: 97
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/18/21 14:28

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
N-Nitrosodimethylamine	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
N-Nitroso-Di-n-Propylamine	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
N-nitrosodiphenylamine	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Pentachlorophenol	ND (1.74)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Phenanthrene	**0.384** (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Phenol	ND (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Pyrene	**0.804** (0.347)		8270D		1	08/23/21 21:31	D1H0366	DH11805
Pyridine	ND (1.74)		8270D		1	08/23/21 21:31	D1H0366	DH11805

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*66 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*90 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*71 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*70 %*		*30-130*
Surrogate: 2-Fluorophenol	*71 %*		*30-130*
Surrogate: Nitrobenzene-d5	*69 %*		*30-130*
Surrogate: Phenol-d6	*73 %*		*30-130*
Surrogate: p-Terphenyl-d14	*93 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-3
Date Sampled: 08/18/21 09:42
Percent Solids: 97

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-03
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	ND (1.02)		9014		1	EEM	08/23/21 12:10	mg/kg dry	DH12327

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-3
Date Sampled: 08/18/21 09:42
Percent Solids: 97
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-03
Sample Matrix: Soil

Analyst: SUB
Prepared: 8/26/21 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	ND (100)		6010		1	SUB	08/26/21 0:00	mg/kg	DH12632

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-4
Date Sampled: 08/18/21 09:47
Percent Solids: 97

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-04
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.11)		6010C		1	KJK	08/20/21 15:50	2.45	100	DH11961
Barium	**8.05** (2.11)		6010C		1	KJK	08/20/21 15:50	2.45	100	DH11961
Cadmium	ND (0.42)		6010C		1	KJK	08/20/21 15:50	2.45	100	DH11961
Chromium	**1.48** (0.85)		6010C		1	KJK	08/20/21 15:50	2.45	100	DH11961
Lead	**4.28** (4.23)		6010C		1	KJK	08/20/21 15:50	2.45	100	DH11961
Mercury	ND (0.029)		7471B		1	JRB	08/20/21 16:16	0.71	40	DH11965
Selenium	ND (4.23)		6010C		1	KJK	08/20/21 15:50	2.45	100	DH11961
Silver	ND (0.42)		6010C		1	KJK	08/20/21 15:50	2.45	100	DH11961

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-4
Date Sampled: 08/18/21 09:47
Percent Solids: 97
Initial Volume: 10
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1,1,1-Trichloroethane	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1,1,2,2-Tetrachloroethane	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1,1,2-Trichloroethane	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1,1-Dichloroethane	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1,1-Dichloroethene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1,1-Dichloropropene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1,2,3-Trichlorobenzene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1,2,3-Trichloropropane	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1,2,4-Trichlorobenzene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1,2,4-Trimethylbenzene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1,2-Dibromo-3-Chloropropane	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1,2-Dibromoethane	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1,2-Dichlorobenzene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1,2-Dichloroethane	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1,2-Dichloropropane	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1,3,5-Trimethylbenzene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1,3-Dichlorobenzene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1,3-Dichloropropane	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1,4-Dichlorobenzene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1,4-Dioxane	ND (0.0518)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
1-Chlorohexane	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
2,2-Dichloropropane	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
2-Butanone	ND (0.0259)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
2-Chlorotoluene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
2-Hexanone	ND (0.0259)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
4-Chlorotoluene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
4-Isopropyltoluene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
4-Methyl-2-Pentanone	ND (0.0259)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Acetone	ND (0.0259)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Benzene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Bromobenzene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-4
Date Sampled: 08/18/21 09:47
Percent Solids: 97
Initial Volume: 10
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Bromodichloromethane	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Bromoform	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Bromomethane	ND (0.0052)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Carbon Disulfide	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Carbon Tetrachloride	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Chlorobenzene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Chloroethane	ND (0.0052)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Chloroform	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Chloromethane	ND (0.0052)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
cis-1,2-Dichloroethene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
cis-1,3-Dichloropropene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Dibromochloromethane	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Dibromomethane	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Dichlorodifluoromethane	ND (0.0052)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Diethyl Ether	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Di-isopropyl ether	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Ethyl tertiary-butyl ether	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Ethylbenzene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Hexachlorobutadiene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Isopropylbenzene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Methyl tert-Butyl Ether	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Methylene Chloride	ND (0.0129)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Naphthalene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
n-Butylbenzene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
n-Propylbenzene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
sec-Butylbenzene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Styrene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
tert-Butylbenzene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Tertiary-amyl methyl ether	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Tetrachloroethene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Tetrahydrofuran	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-4
Date Sampled: 08/18/21 09:47
Percent Solids: 97
Initial Volume: 10
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
trans-1,2-Dichloroethene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
trans-1,3-Dichloropropene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Trichloroethene	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Trichlorofluoromethane	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Vinyl Acetate	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Vinyl Chloride	ND (0.0052)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Xylene O	ND (0.0026)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Xylene P,M	ND (0.0052)		8260B Low		1	08/19/21 20:26	D1H0318	DH11928
Xylenes (Total)	ND (0.00518)		8260B Low		1	08/19/21 20:26		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*114 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*99 %*		*70-130*
Surrogate: Dibromofluoromethane	*103 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-4
Date Sampled: 08/18/21 09:47
Percent Solids: 97
Initial Volume: 20
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 8/18/21 15:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	ND (38.8)		8100M		1	08/25/21 5:21	D1H0427	DH11804

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*132 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-4
Date Sampled: 08/18/21 09:47
Percent Solids: 97
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/18/21 14:28

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
1,2,4-Trichlorobenzene	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
1,2-Dichlorobenzene	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
1,3-Dichlorobenzene	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
1,4-Dichlorobenzene	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
2,3,4,6-Tetrachlorophenol	ND (1.81)		8270D		1	08/23/21 22:02	D1H0366	DH11805
2,4,5-Trichlorophenol	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
2,4,6-Trichlorophenol	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
2,4-Dichlorophenol	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
2,4-Dimethylphenol	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
2,4-Dinitrophenol	ND (1.81)		8270D		1	08/23/21 22:02	D1H0366	DH11805
2,4-Dinitrotoluene	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
2,6-Dinitrotoluene	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
2-Chloronaphthalene	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
2-Chlorophenol	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
2-Methylnaphthalene	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
2-Methylphenol	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
2-Nitroaniline	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
2-Nitrophenol	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
3,3′-Dichlorobenzidine	ND (0.725)		8270D		1	08/23/21 22:02	D1H0366	DH11805
3+4-Methylphenol	ND (0.725)		8270D		1	08/23/21 22:02	D1H0366	DH11805
3-Nitroaniline	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
4,6-Dinitro-2-Methylphenol	ND (1.81)		8270D		1	08/23/21 22:02	D1H0366	DH11805
4-Bromophenyl-phenylether	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
4-Chloro-3-Methylphenol	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
4-Chloroaniline	ND (0.725)		8270D		1	08/23/21 22:02	D1H0366	DH11805
4-Chloro-phenyl-phenyl ether	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
4-Nitroaniline	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
4-Nitrophenol	ND (1.81)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Acenaphthene	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Acenaphthylene	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Acetophenone	ND (0.725)		8270D		1	08/23/21 22:02	D1H0366	DH11805

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-4
Date Sampled: 08/18/21 09:47
Percent Solids: 97
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/18/21 14:28

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.725)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Anthracene	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Azobenzene	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Benzo(a)anthracene	**0.404** (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Benzo(a)pyrene	**0.419** (0.181)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Benzo(b)fluoranthene	**0.491** (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Benzo(g,h,i)perylene	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Benzo(k)fluoranthene	**0.428** (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Benzoic Acid	ND (1.81)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Benzyl Alcohol	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
bis(2-Chloroethoxy)methane	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
bis(2-Chloroethyl)ether	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
bis(2-chloroisopropyl)Ether	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
bis(2-Ethylhexyl)phthalate	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Butylbenzylphthalate	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Carbazole	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Chrysene	**0.594** (0.181)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Dibenzo(a,h)Anthracene	ND (0.181)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Dibenzofuran	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Diethylphthalate	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Dimethylphthalate	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Di-n-butylphthalate	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Di-n-octylphthalate	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Fluoranthene	**1.13** (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Fluorene	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Hexachlorobenzene	ND (0.181)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Hexachlorobutadiene	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Hexachlorocyclopentadiene	ND (1.81)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Hexachloroethane	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Indeno(1,2,3-cd)Pyrene	**0.366** (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Isophorone	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Naphthalene	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-4
Date Sampled: 08/18/21 09:47
Percent Solids: 97
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 8/18/21 14:28

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
N-Nitrosodimethylamine	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
N-Nitroso-Di-n-Propylamine	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
N-nitrosodiphenylamine	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Pentachlorophenol	ND (1.81)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Phenanthrene	**0.473** (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Phenol	ND (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Pyrene	**0.876** (0.362)		8270D		1	08/23/21 22:02	D1H0366	DH11805
Pyridine	ND (1.81)		8270D		1	08/23/21 22:02	D1H0366	DH11805

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*71 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*92 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*78 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*77 %*		*30-130*
Surrogate: 2-Fluorophenol	*79 %*		*30-130*
Surrogate: Nitrobenzene-d5	*72 %*		*30-130*
Surrogate: Phenol-d6	*81 %*		*30-130*
Surrogate: p-Terphenyl-d14	*97 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-4
Date Sampled: 08/18/21 09:47
Percent Solids: 97

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-04
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	ND (0.97)		9014		1	EEM	08/23/21 12:10	mg/kg dry	DH12327

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP081821-4
Date Sampled: 08/18/21 09:47
Percent Solids: 97
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 21H0604
ESS Laboratory Sample ID: 21H0604-04
Sample Matrix: Soil

Analyst: SUB
Prepared: 8/26/21 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	ND (100)		6010		1	SUB	08/26/21 0:00	mg/kg	DH12632

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21H0604

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DH11961 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
Barium	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
LCS										
Arsenic	227	7.94	mg/kg wet	281.0		81	70-130			
Barium	508	7.94	mg/kg wet	595.0		85	75-125			
Cadmium	233	1.59	mg/kg wet	276.0		84	80-120			
Chromium	232	3.17	mg/kg wet	277.0		84	80-120			
Lead	190	15.9	mg/kg wet	228.0		83	80-120			
Selenium	140	15.9	mg/kg wet	178.0		79	69-132			
Silver	36.5	1.59	mg/kg wet	44.40		82	80-120			
LCS Dup										
Arsenic	222	7.81	mg/kg wet	281.0		79	70-130	2	20	
Barium	469	7.81	mg/kg wet	595.0		79	75-125	8	20	
Cadmium	228	1.56	mg/kg wet	276.0		83	80-120	2	20	
Chromium	224	3.12	mg/kg wet	277.0		81	80-120	4	20	
Lead	189	15.6	mg/kg wet	228.0		83	80-120	0.5	20	
Selenium	139	15.6	mg/kg wet	178.0		78	69-132	0.9	20	
Silver	35.7	1.56	mg/kg wet	44.40		80	80-120	2	20	
Batch DH11965 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	23.1	3.14	mg/kg wet	21.60		107	80-120			
LCS Dup										
Mercury	17.9	3.05	mg/kg wet	21.60		83	80-120	25	20	D+
5035/8260B Volatile Organic Compounds / Low Level										
Batch DH11928 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21H0604

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DH11928 - 5035										
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21H0604

Quality Control Data

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch DH11928 - 5035										
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0507*		mg/kg wet	*0.05000*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0490*		mg/kg wet	*0.05000*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0486*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: Toluene-d8	*0.0490*		mg/kg wet	*0.05000*		*98*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0550	0.0050	mg/kg wet	0.05000		110	70-130			
1,1,1-Trichloroethane	0.0558	0.0050	mg/kg wet	0.05000		112	70-130			
1,1,2,2-Tetrachloroethane	0.0543	0.0050	mg/kg wet	0.05000		109	70-130			
1,1,2-Trichloroethane	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
1,1-Dichloroethane	0.0562	0.0050	mg/kg wet	0.05000		112	70-130			
1,1-Dichloroethene	0.0598	0.0050	mg/kg wet	0.05000		120	70-130			
1,1-Dichloropropene	0.0590	0.0050	mg/kg wet	0.05000		118	70-130			
1,2,3-Trichlorobenzene	0.0578	0.0050	mg/kg wet	0.05000		116	70-130			
1,2,3-Trichloropropane	0.0520	0.0050	mg/kg wet	0.05000		104	70-130			
1,2,4-Trichlorobenzene	0.0581	0.0050	mg/kg wet	0.05000		116	70-130			
1,2,4-Trimethylbenzene	0.0568	0.0050	mg/kg wet	0.05000		114	70-130			
1,2-Dibromo-3-Chloropropane	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
1,2-Dibromoethane	0.0545	0.0050	mg/kg wet	0.05000		109	70-130			
1,2-Dichlorobenzene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130			
1,2-Dichloroethane	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
1,2-Dichloropropane	0.0550	0.0050	mg/kg wet	0.05000		110	70-130			
1,3,5-Trimethylbenzene	0.0579	0.0050	mg/kg wet	0.05000		116	70-130			
1,3-Dichlorobenzene	0.0570	0.0050	mg/kg wet	0.05000		114	70-130			
1,3-Dichloropropane	0.0563	0.0050	mg/kg wet	0.05000		113	70-130			
1,4-Dichlorobenzene	0.0577	0.0050	mg/kg wet	0.05000		115	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21H0604

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DH11928 - 5035										
1,4-Dioxane	0.892	0.100	mg/kg wet	1.000		89	70-130			
1-Chlorohexane	0.0487	0.0050	mg/kg wet	0.05000		97	70-130			
2,2-Dichloropropane	0.0573	0.0050	mg/kg wet	0.05000		115	70-130			
2-Butanone	0.241	0.0500	mg/kg wet	0.2500		97	70-130			
2-Chlorotoluene	0.0575	0.0050	mg/kg wet	0.05000		115	70-130			
2-Hexanone	0.216	0.0500	mg/kg wet	0.2500		86	70-130			
4-Chlorotoluene	0.0564	0.0050	mg/kg wet	0.05000		113	70-130			
4-Isopropyltoluene	0.0570	0.0050	mg/kg wet	0.05000		114	70-130			
4-Methyl-2-Pentanone	0.251	0.0500	mg/kg wet	0.2500		100	70-130			
Acetone	0.223	0.0500	mg/kg wet	0.2500		89	70-130			
Benzene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130			
Bromobenzene	0.0560	0.0050	mg/kg wet	0.05000		112	70-130			
Bromochloromethane	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
Bromodichloromethane	0.0571	0.0050	mg/kg wet	0.05000		114	70-130			
Bromoform	0.0463	0.0050	mg/kg wet	0.05000		93	70-130			
Bromomethane	0.0487	0.0100	mg/kg wet	0.05000		97	70-130			
Carbon Disulfide	0.0562	0.0050	mg/kg wet	0.05000		112	70-130			
Carbon Tetrachloride	0.0574	0.0050	mg/kg wet	0.05000		115	70-130			
Chlorobenzene	0.0558	0.0050	mg/kg wet	0.05000		112	70-130			
Chloroethane	0.0581	0.0100	mg/kg wet	0.05000		116	70-130			
Chloroform	0.0560	0.0050	mg/kg wet	0.05000		112	70-130			
Chloromethane	0.0550	0.0100	mg/kg wet	0.05000		110	70-130			
cis-1,2-Dichloroethene	0.0567	0.0050	mg/kg wet	0.05000		113	70-130			
cis-1,3-Dichloropropene	0.0575	0.0050	mg/kg wet	0.05000		115	70-130			
Dibromochloromethane	0.0524	0.0050	mg/kg wet	0.05000		105	70-130			
Dibromomethane	0.0557	0.0050	mg/kg wet	0.05000		111	70-130			
Dichlorodifluoromethane	0.0503	0.0100	mg/kg wet	0.05000		101	70-130			
Diethyl Ether	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
Di-isopropyl ether	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
Ethyl tertiary-butyl ether	0.0449	0.0050	mg/kg wet	0.05000		90	70-130			
Ethylbenzene	0.0550	0.0050	mg/kg wet	0.05000		110	70-130			
Hexachlorobutadiene	0.0591	0.0050	mg/kg wet	0.05000		118	70-130			
Isopropylbenzene	0.0576	0.0050	mg/kg wet	0.05000		115	70-130			
Methyl tert-Butyl Ether	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			
Methylene Chloride	0.0492	0.0250	mg/kg wet	0.05000		98	70-130			
Naphthalene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130			
n-Butylbenzene	0.0581	0.0050	mg/kg wet	0.05000		116	70-130			
n-Propylbenzene	0.0578	0.0050	mg/kg wet	0.05000		116	70-130			
sec-Butylbenzene	0.0560	0.0050	mg/kg wet	0.05000		112	70-130			
Styrene	0.0557	0.0050	mg/kg wet	0.05000		111	70-130			
tert-Butylbenzene	0.0577	0.0050	mg/kg wet	0.05000		115	70-130			
Tertiary-amyl methyl ether	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
Tetrachloroethene	0.0575	0.0050	mg/kg wet	0.05000		115	70-130			
Tetrahydrofuran	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
Toluene	0.0558	0.0050	mg/kg wet	0.05000		112	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21H0604

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DH11928 - 5035										
trans-1,2-Dichloroethene	0.0577	0.0050	mg/kg wet	0.05000		115	70-130			
trans-1,3-Dichloropropene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130			
Trichloroethene	0.0571	0.0050	mg/kg wet	0.05000		114	70-130			
Trichlorofluoromethane	0.0558	0.0050	mg/kg wet	0.05000		112	70-130			
Vinyl Acetate	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
Vinyl Chloride	0.0597	0.0100	mg/kg wet	0.05000		119	70-130			
Xylene O	0.0554	0.0050	mg/kg wet	0.05000		111	70-130			
Xylene P,M	0.115	0.0100	mg/kg wet	0.1000		115	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0491*		mg/kg wet	*0.05000*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0486*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0498*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.0494*		mg/kg wet	*0.05000*		*99*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0580	0.0050	mg/kg wet	0.05000		116	70-130	5	25	
1,1,1-Trichloroethane	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	0.6	25	
1,1,2,2-Tetrachloroethane	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	0.7	25	
1,1,2-Trichloroethane	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	3	25	
1,1-Dichloroethane	0.0572	0.0050	mg/kg wet	0.05000		114	70-130	2	25	
1,1-Dichloroethene	0.0603	0.0050	mg/kg wet	0.05000		121	70-130	0.8	25	
1,1-Dichloropropene	0.0595	0.0050	mg/kg wet	0.05000		119	70-130	0.8	25	
1,2,3-Trichlorobenzene	0.0586	0.0050	mg/kg wet	0.05000		117	70-130	1	25	
1,2,3-Trichloropropane	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	1	25	
1,2,4-Trichlorobenzene	0.0589	0.0050	mg/kg wet	0.05000		118	70-130	1	25	
1,2,4-Trimethylbenzene	0.0578	0.0050	mg/kg wet	0.05000		116	70-130	2	25	
1,2-Dibromo-3-Chloropropane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130	1	25	
1,2-Dibromoethane	0.0575	0.0050	mg/kg wet	0.05000		115	70-130	5	25	
1,2-Dichlorobenzene	0.0572	0.0050	mg/kg wet	0.05000		114	70-130	1	25	
1,2-Dichloroethane	0.0560	0.0050	mg/kg wet	0.05000		112	70-130	2	25	
1,2-Dichloropropane	0.0565	0.0050	mg/kg wet	0.05000		113	70-130	3	25	
1,3,5-Trimethylbenzene	0.0586	0.0050	mg/kg wet	0.05000		117	70-130	1	25	
1,3-Dichlorobenzene	0.0587	0.0050	mg/kg wet	0.05000		117	70-130	3	25	
1,3-Dichloropropane	0.0597	0.0050	mg/kg wet	0.05000		119	70-130	6	25	
1,4-Dichlorobenzene	0.0574	0.0050	mg/kg wet	0.05000		115	70-130	0.5	25	
1,4-Dioxane	0.863	0.100	mg/kg wet	1.000		86	70-130	3	20	
1-Chlorohexane	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	4	25	
2,2-Dichloropropane	0.0573	0.0050	mg/kg wet	0.05000		115	70-130	0	25	
2-Butanone	0.263	0.0500	mg/kg wet	0.2500		105	70-130	9	25	
2-Chlorotoluene	0.0579	0.0050	mg/kg wet	0.05000		116	70-130	0.8	25	
2-Hexanone	0.245	0.0500	mg/kg wet	0.2500		98	70-130	13	25	
4-Chlorotoluene	0.0576	0.0050	mg/kg wet	0.05000		115	70-130	2	25	
4-Isopropyltoluene	0.0576	0.0050	mg/kg wet	0.05000		115	70-130	1	25	
4-Methyl-2-Pentanone	0.257	0.0500	mg/kg wet	0.2500		103	70-130	2	25	
Acetone	0.297	0.0500	mg/kg wet	0.2500		119	70-130	29	25	D+
Benzene	0.0571	0.0050	mg/kg wet	0.05000		114	70-130	2	25	
Bromobenzene	0.0572	0.0050	mg/kg wet	0.05000		114	70-130	2	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21H0604

Quality Control Data

5035/8260B Volatile Organic Compounds / Low Level

Batch DH11928 - 5035

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Bromochloromethane	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	2	25	
Bromodichloromethane	0.0587	0.0050	mg/kg wet	0.05000		117	70-130	3	25	
Bromoform	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	6	25	
Bromomethane	0.0485	0.0100	mg/kg wet	0.05000		97	70-130	0.4	25	
Carbon Disulfide	0.0569	0.0050	mg/kg wet	0.05000		114	70-130	1	25	
Carbon Tetrachloride	0.0578	0.0050	mg/kg wet	0.05000		116	70-130	0.8	25	
Chlorobenzene	0.0586	0.0050	mg/kg wet	0.05000		117	70-130	5	25	
Chloroethane	0.0590	0.0100	mg/kg wet	0.05000		118	70-130	2	25	
Chloroform	0.0570	0.0050	mg/kg wet	0.05000		114	70-130	2	25	
Chloromethane	0.0538	0.0100	mg/kg wet	0.05000		108	70-130	2	25	
cis-1,2-Dichloroethene	0.0579	0.0050	mg/kg wet	0.05000		116	70-130	2	25	
cis-1,3-Dichloropropene	0.0585	0.0050	mg/kg wet	0.05000		117	70-130	2	25	
Dibromochloromethane	0.0554	0.0050	mg/kg wet	0.05000		111	70-130	6	25	
Dibromomethane	0.0569	0.0050	mg/kg wet	0.05000		114	70-130	2	25	
Dichlorodifluoromethane	0.0507	0.0100	mg/kg wet	0.05000		101	70-130	0.8	25	
Diethyl Ether	0.0563	0.0050	mg/kg wet	0.05000		113	70-130	4	25	
Di-isopropyl ether	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	3	25	
Ethyl tertiary-butyl ether	0.0458	0.0050	mg/kg wet	0.05000		92	70-130	2	25	
Ethylbenzene	0.0573	0.0050	mg/kg wet	0.05000		115	70-130	4	25	
Hexachlorobutadiene	0.0601	0.0050	mg/kg wet	0.05000		120	70-130	2	25	
Isopropylbenzene	0.0577	0.0050	mg/kg wet	0.05000		115	70-130	0.2	25	
Methyl tert-Butyl Ether	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	2	25	
Methylene Chloride	0.0504	0.0250	mg/kg wet	0.05000		101	70-130	2	25	
Naphthalene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	2	25	
n-Butylbenzene	0.0582	0.0050	mg/kg wet	0.05000		116	70-130	0.2	25	
n-Propylbenzene	0.0579	0.0050	mg/kg wet	0.05000		116	70-130	0.2	25	
sec-Butylbenzene	0.0563	0.0050	mg/kg wet	0.05000		113	70-130	0.5	25	
Styrene	0.0589	0.0050	mg/kg wet	0.05000		118	70-130	6	25	
tert-Butylbenzene	0.0579	0.0050	mg/kg wet	0.05000		116	70-130	0.3	25	
Tertiary-amyl methyl ether	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	2	25	
Tetrachloroethene	0.0611	0.0050	mg/kg wet	0.05000		122	70-130	6	25	
Tetrahydrofuran	0.0462	0.0050	mg/kg wet	0.05000		92	70-130	0.5	25	
Toluene	0.0565	0.0050	mg/kg wet	0.05000		113	70-130	1	25	
trans-1,2-Dichloroethene	0.0587	0.0050	mg/kg wet	0.05000		117	70-130	2	25	
trans-1,3-Dichloropropene	0.0552	0.0050	mg/kg wet	0.05000		110	70-130	2	25	
Trichloroethene	0.0580	0.0050	mg/kg wet	0.05000		116	70-130	2	25	
Trichlorofluoromethane	0.0566	0.0050	mg/kg wet	0.05000		113	70-130	1	25	
Vinyl Acetate	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	1	25	
Vinyl Chloride	0.0581	0.0100	mg/kg wet	0.05000		116	70-130	3	25	
Xylene O	0.0580	0.0050	mg/kg wet	0.05000		116	70-130	5	25	
Xylene P,M	0.121	0.0100	mg/kg wet	0.1000		121	70-130	5	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0495*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0510*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0500*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.0514*		mg/kg wet	*0.05000*		*103*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21H0604

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DH11804 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*5.95*		mg/kg wet	*5.000*		*119*	*40-140*			
LCS										
Decane (C10)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Docosane (C22)	2.6	0.2	mg/kg wet	2.500		103	40-140			
Dodecane (C12)	2.4	0.2	mg/kg wet	2.500		95	40-140			
Eicosane (C20)	2.6	0.2	mg/kg wet	2.500		103	40-140			
Hexacosane (C26)	2.5	0.2	mg/kg wet	2.500		101	40-140			
Hexadecane (C16)	2.5	0.2	mg/kg wet	2.500		100	40-140			
Nonadecane (C19)	2.5	0.2	mg/kg wet	2.500		99	40-140			
Nonane (C9)	1.9	0.2	mg/kg wet	2.500		74	30-140			
Octacosane (C28)	2.6	0.2	mg/kg wet	2.500		102	40-140			
Octadecane (C18)	2.5	0.2	mg/kg wet	2.500		101	40-140			
Tetracosane (C24)	2.5	0.2	mg/kg wet	2.500		101	40-140			
Tetradecane (C14)	2.4	0.2	mg/kg wet	2.500		97	40-140			
Total Petroleum Hydrocarbons	35.3	37.5	mg/kg wet	35.00		101	40-140			
Triacontane (C30)	2.5	0.2	mg/kg wet	2.500		101	40-140			
Surrogate: O-Terphenyl	*5.71*		mg/kg wet	*5.000*		*114*	*40-140*			
LCS Dup										
Decane (C10)	2.0	0.2	mg/kg wet	2.500		81	40-140	3	25	
Docosane (C22)	2.5	0.2	mg/kg wet	2.500		101	40-140	3	25	
Dodecane (C12)	2.3	0.2	mg/kg wet	2.500		93	40-140	3	25	
Eicosane (C20)	2.5	0.2	mg/kg wet	2.500		102	40-140	1	25	
Hexacosane (C26)	2.5	0.2	mg/kg wet	2.500		99	40-140	2	25	
Hexadecane (C16)	2.4	0.2	mg/kg wet	2.500		97	40-140	3	25	
Nonadecane (C19)	2.3	0.2	mg/kg wet	2.500		93	40-140	6	25	
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		72	30-140	3	25	
Octacosane (C28)	2.5	0.2	mg/kg wet	2.500		100	40-140	2	25	
Octadecane (C18)	2.5	0.2	mg/kg wet	2.500		98	40-140	3	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21H0604

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DH11804 - 3546										
Tetracosane (C24)	2.5	0.2	mg/kg wet	2.500		99	40-140	2	25	
Tetradecane (C14)	2.4	0.2	mg/kg wet	2.500		95	40-140	2	25	
Total Petroleum Hydrocarbons	34.3	37.5	mg/kg wet	35.00		98	40-140	3	25	
Triacontane (C30)	2.5	0.2	mg/kg wet	2.500		99	40-140	2	25	
Surrogate: O-Terphenyl	*5.46*		mg/kg wet	*5.000*		*109*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DH11805 - 3546										
Blank										
1,1-Biphenyl	ND	0.167	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.333	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21H0604

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DH11805 - 3546										
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.055	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.167	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.167	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.055	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.051	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.056	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.167	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.49*		mg/kg wet	*3.333*		*75*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.10*		mg/kg wet	*5.000*		*62*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.07*		mg/kg wet	*5.000*		*81*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.59*		mg/kg wet	*3.333*		*78*	*30-130*			
Surrogate: 2-Fluorophenol	*4.24*		mg/kg wet	*5.000*		*85*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.61*		mg/kg wet	*3.333*		*78*	*30-130*			
Surrogate: Phenol-d6	*4.00*		mg/kg wet	*5.000*		*80*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.76*		mg/kg wet	*3.333*		*83*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21H0604

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DH11805 - 3546										
LCS										
1,1-Biphenyl	2.49	0.167	mg/kg wet	3.333		75	40-140			
1,2,4-Trichlorobenzene	2.44	0.333	mg/kg wet	3.333		73	40-140			
1,2-Dichlorobenzene	2.44	0.333	mg/kg wet	3.333		73	40-140			
1,3-Dichlorobenzene	2.40	0.333	mg/kg wet	3.333		72	40-140			
1,4-Dichlorobenzene	2.42	0.333	mg/kg wet	3.333		73	40-140			
2,3,4,6-Tetrachlorophenol	2.75	1.67	mg/kg wet	3.333		83	30-130			
2,4,5-Trichlorophenol	2.66	0.333	mg/kg wet	3.333		80	30-130			
2,4,6-Trichlorophenol	2.50	0.333	mg/kg wet	3.333		75	30-130			
2,4-Dichlorophenol	2.69	0.333	mg/kg wet	3.333		81	30-130			
2,4-Dimethylphenol	2.80	0.333	mg/kg wet	3.333		84	30-130			
2,4-Dinitrophenol	2.38	1.67	mg/kg wet	3.333		71	30-130			
2,4-Dinitrotoluene	3.05	0.333	mg/kg wet	3.333		92	40-140			
2,6-Dinitrotoluene	2.76	0.333	mg/kg wet	3.333		83	40-140			
2-Chloronaphthalene	2.45	0.333	mg/kg wet	3.333		73	40-140			
2-Chlorophenol	2.67	0.333	mg/kg wet	3.333		80	30-130			
2-Methylnaphthalene	2.52	0.333	mg/kg wet	3.333		75	40-140			
2-Methylphenol	2.71	0.333	mg/kg wet	3.333		81	30-130			
2-Nitroaniline	2.65	0.333	mg/kg wet	3.333		80	40-140			
2-Nitrophenol	2.52	0.333	mg/kg wet	3.333		76	30-130			
3,3´-Dichlorobenzidine	2.69	0.333	mg/kg wet	3.333		81	40-140			
3+4-Methylphenol	5.36	0.667	mg/kg wet	6.667		80	30-130			
3-Nitroaniline	2.64	0.333	mg/kg wet	3.333		79	40-140			
4,6-Dinitro-2-Methylphenol	2.79	1.67	mg/kg wet	3.333		84	30-130			
4-Bromophenyl-phenylether	2.57	0.333	mg/kg wet	3.333		77	40-140			
4-Chloro-3-Methylphenol	2.80	0.333	mg/kg wet	3.333		84	30-130			
4-Chloroaniline	2.03	0.667	mg/kg wet	3.333		61	40-140			
4-Chloro-phenyl-phenyl ether	2.65	0.333	mg/kg wet	3.333		79	40-140			
4-Nitroaniline	2.74	0.333	mg/kg wet	3.333		82	40-140			
4-Nitrophenol	2.59	1.67	mg/kg wet	3.333		78	30-130			
Acenaphthene	2.51	0.333	mg/kg wet	3.333		75	40-140			
Acenaphthylene	2.67	0.333	mg/kg wet	3.333		80	40-140			
Acetophenone	2.65	0.667	mg/kg wet	3.333		80	40-140			
Aniline	2.23	0.667	mg/kg wet	3.333		67	40-140			
Anthracene	2.75	0.333	mg/kg wet	3.333		83	40-140			
Azobenzene	2.60	0.333	mg/kg wet	3.333		78	40-140			
Benzo(a)anthracene	2.98	0.333	mg/kg wet	3.333		89	40-140			
Benzo(a)pyrene	2.47	0.055	mg/kg wet	3.333		74	40-140			
Benzo(b)fluoranthene	2.69	0.333	mg/kg wet	3.333		81	40-140			
Benzo(g,h,i)perylene	2.32	0.167	mg/kg wet	3.333		70	40-140			
Benzo(k)fluoranthene	2.78	0.333	mg/kg wet	3.333		83	40-140			
Benzoic Acid	2.12	1.67	mg/kg wet	3.333		64	40-140			
Benzyl Alcohol	2.77	0.333	mg/kg wet	3.333		83	40-140			
bis(2-Chloroethoxy)methane	2.61	0.333	mg/kg wet	3.333		78	40-140			
bis(2-Chloroethyl)ether	2.57	0.167	mg/kg wet	3.333		77	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21H0604

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DH11805 - 3546										
bis(2-chloroisopropyl)Ether	2.59	0.333	mg/kg wet	3.333		78	40-140			
bis(2-Ethylhexyl)phthalate	2.84	0.333	mg/kg wet	3.333		85	40-140			
Butylbenzylphthalate	2.75	0.333	mg/kg wet	3.333		82	40-140			
Carbazole	2.86	0.333	mg/kg wet	3.333		86	40-140			
Chrysene	2.77	0.055	mg/kg wet	3.333		83	40-140			
Dibenzo(a,h)Anthracene	2.28	0.051	mg/kg wet	3.333		68	40-140			
Dibenzofuran	2.54	0.333	mg/kg wet	3.333		76	40-140			
Diethylphthalate	2.91	0.333	mg/kg wet	3.333		87	40-140			
Dimethylphthalate	2.73	0.333	mg/kg wet	3.333		82	40-140			
Di-n-butylphthalate	3.09	0.333	mg/kg wet	3.333		93	40-140			
Di-n-octylphthalate	3.06	0.333	mg/kg wet	3.333		92	40-140			
Fluoranthene	2.97	0.333	mg/kg wet	3.333		89	40-140			
Fluorene	2.76	0.333	mg/kg wet	3.333		83	40-140			
Hexachlorobenzene	2.48	0.056	mg/kg wet	3.333		74	40-140			
Hexachlorobutadiene	2.38	0.333	mg/kg wet	3.333		71	40-140			
Hexachlorocyclopentadiene	2.24	1.67	mg/kg wet	3.333		67	40-140			
Hexachloroethane	2.55	0.333	mg/kg wet	3.333		76	40-140			
Indeno(1,2,3-cd)Pyrene	2.20	0.333	mg/kg wet	3.333		66	40-140			
Isophorone	2.75	0.333	mg/kg wet	3.333		82	40-140			
Naphthalene	2.47	0.167	mg/kg wet	3.333		74	40-140			
Nitrobenzene	2.52	0.333	mg/kg wet	3.333		76	40-140			
N-Nitrosodimethylamine	2.22	0.333	mg/kg wet	3.333		66	40-140			
N-Nitroso-Di-n-Propylamine	2.66	0.333	mg/kg wet	3.333		80	40-140			
N-nitrosodiphenylamine	2.82	0.333	mg/kg wet	3.333		84	40-140			
Pentachlorophenol	2.55	1.67	mg/kg wet	3.333		76	30-130			
Phenanthrene	2.60	0.333	mg/kg wet	3.333		78	40-140			
Phenol	2.66	0.333	mg/kg wet	3.333		80	30-130			
Pyrene	2.68	0.333	mg/kg wet	3.333		81	40-140			
Pyridine	2.20	1.67	mg/kg wet	3.333		66	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.69*		mg/kg wet	*3.333*		*81*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.97*		mg/kg wet	*5.000*		*79*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.53*		mg/kg wet	*5.000*		*91*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.76*		mg/kg wet	*3.333*		*83*	*30-130*			
Surrogate: 2-Fluorophenol	*4.66*		mg/kg wet	*5.000*		*93*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.85*		mg/kg wet	*3.333*		*85*	*30-130*			
Surrogate: Phenol-d6	*4.41*		mg/kg wet	*5.000*		*88*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.96*		mg/kg wet	*3.333*		*89*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.44	0.167	mg/kg wet	3.333		73	40-140	2	30	
1,2,4-Trichlorobenzene	2.44	0.333	mg/kg wet	3.333		73	40-140	0.2	30	
1,2-Dichlorobenzene	2.43	0.333	mg/kg wet	3.333		73	40-140	0.7	30	
1,3-Dichlorobenzene	2.40	0.333	mg/kg wet	3.333		72	40-140	0.1	30	
1,4-Dichlorobenzene	2.42	0.333	mg/kg wet	3.333		72	40-140	0.04	30	
2,3,4,6-Tetrachlorophenol	2.72	1.67	mg/kg wet	3.333		82	30-130	1	30	
2,4,5-Trichlorophenol	2.63	0.333	mg/kg wet	3.333		79	30-130	1	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21H0604

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DH11805 - 3546										
2,4,6-Trichlorophenol	2.51	0.333	mg/kg wet	3.333		75	30-130	0.3	30	
2,4-Dichlorophenol	2.69	0.333	mg/kg wet	3.333		81	30-130	0.1	30	
2,4-Dimethylphenol	2.80	0.333	mg/kg wet	3.333		84	30-130	0.2	30	
2,4-Dinitrophenol	2.58	1.67	mg/kg wet	3.333		77	30-130	8	30	
2,4-Dinitrotoluene	2.96	0.333	mg/kg wet	3.333		89	40-140	3	30	
2,6-Dinitrotoluene	2.74	0.333	mg/kg wet	3.333		82	40-140	0.9	30	
2-Chloronaphthalene	2.44	0.333	mg/kg wet	3.333		73	40-140	0.5	30	
2-Chlorophenol	2.68	0.333	mg/kg wet	3.333		80	30-130	0.2	30	
2-Methylnaphthalene	2.50	0.333	mg/kg wet	3.333		75	40-140	0.5	30	
2-Methylphenol	2.70	0.333	mg/kg wet	3.333		81	30-130	0.3	30	
2-Nitroaniline	2.62	0.333	mg/kg wet	3.333		79	40-140	1	30	
2-Nitrophenol	2.56	0.333	mg/kg wet	3.333		77	30-130	2	30	
3,3´-Dichlorobenzidine	2.76	0.333	mg/kg wet	3.333		83	40-140	3	30	
3+4-Methylphenol	5.11	0.667	mg/kg wet	6.667		77	30-130	5	30	
3-Nitroaniline	2.63	0.333	mg/kg wet	3.333		79	40-140	0.5	30	
4,6-Dinitro-2-Methylphenol	2.91	1.67	mg/kg wet	3.333		87	30-130	4	30	
4-Bromophenyl-phenylether	2.64	0.333	mg/kg wet	3.333		79	40-140	3	30	
4-Chloro-3-Methylphenol	2.77	0.333	mg/kg wet	3.333		83	30-130	1	30	
4-Chloroaniline	2.16	0.667	mg/kg wet	3.333		65	40-140	6	30	
4-Chloro-phenyl-phenyl ether	2.60	0.333	mg/kg wet	3.333		78	40-140	2	30	
4-Nitroaniline	2.74	0.333	mg/kg wet	3.333		82	40-140	0.06	30	
4-Nitrophenol	2.49	1.67	mg/kg wet	3.333		75	30-130	4	30	
Acenaphthene	2.46	0.333	mg/kg wet	3.333		74	40-140	2	30	
Acenaphthylene	2.63	0.333	mg/kg wet	3.333		79	40-140	1	30	
Acetophenone	2.54	0.667	mg/kg wet	3.333		76	40-140	4	30	
Aniline	2.28	0.667	mg/kg wet	3.333		68	40-140	2	30	
Anthracene	2.71	0.333	mg/kg wet	3.333		81	40-140	2	30	
Azobenzene	2.61	0.333	mg/kg wet	3.333		78	40-140	0.4	30	
Benzo(a)anthracene	2.98	0.333	mg/kg wet	3.333		89	40-140	0	30	
Benzo(a)pyrene	2.49	0.055	mg/kg wet	3.333		75	40-140	0.8	30	
Benzo(b)fluoranthene	2.74	0.333	mg/kg wet	3.333		82	40-140	2	30	
Benzo(g,h,i)perylene	2.34	0.167	mg/kg wet	3.333		70	40-140	0.9	30	
Benzo(k)fluoranthene	2.82	0.333	mg/kg wet	3.333		85	40-140	2	30	
Benzoic Acid	2.41	1.67	mg/kg wet	3.333		72	40-140	13	30	
Benzyl Alcohol	2.76	0.333	mg/kg wet	3.333		83	40-140	0.3	30	
bis(2-Chloroethoxy)methane	2.60	0.333	mg/kg wet	3.333		78	40-140	0.3	30	
bis(2-Chloroethyl)ether	2.59	0.167	mg/kg wet	3.333		78	40-140	0.7	30	
bis(2-chloroisopropyl)Ether	2.58	0.333	mg/kg wet	3.333		77	40-140	0.3	30	
bis(2-Ethylhexyl)phthalate	2.98	0.333	mg/kg wet	3.333		89	40-140	5	30	
Butylbenzylphthalate	2.88	0.333	mg/kg wet	3.333		86	40-140	5	30	
Carbazole	2.78	0.333	mg/kg wet	3.333		83	40-140	3	30	
Chrysene	2.74	0.055	mg/kg wet	3.333		82	40-140	0.9	30	
Dibenzo(a,h)Anthracene	2.27	0.051	mg/kg wet	3.333		68	40-140	0.3	30	
Dibenzofuran	2.50	0.333	mg/kg wet	3.333		75	40-140	2	30	
Diethylphthalate	2.83	0.333	mg/kg wet	3.333		85	40-140	3	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21H0604

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DH11805 - 3546										
Dimethylphthalate	2.67	0.333	mg/kg wet	3.333		80	40-140	2	30	
Di-n-butylphthalate	3.05	0.333	mg/kg wet	3.333		91	40-140	1	30	
Di-n-octylphthalate	3.32	0.333	mg/kg wet	3.333		100	40-140	8	30	
Fluoranthene	2.82	0.333	mg/kg wet	3.333		85	40-140	5	30	
Fluorene	2.67	0.333	mg/kg wet	3.333		80	40-140	3	30	
Hexachlorobenzene	2.54	0.056	mg/kg wet	3.333		76	40-140	2	30	
Hexachlorobutadiene	2.43	0.333	mg/kg wet	3.333		73	40-140	2	30	
Hexachlorocyclopentadiene	2.32	1.67	mg/kg wet	3.333		69	40-140	3	30	
Hexachloroethane	2.57	0.333	mg/kg wet	3.333		77	40-140	1	30	
Indeno(1,2,3-cd)Pyrene	2.20	0.333	mg/kg wet	3.333		66	40-140	0.09	30	
Isophorone	2.74	0.333	mg/kg wet	3.333		82	40-140	0.4	30	
Naphthalene	2.45	0.167	mg/kg wet	3.333		73	40-140	0.8	30	
Nitrobenzene	2.50	0.333	mg/kg wet	3.333		75	40-140	0.7	30	
N-Nitrosodimethylamine	2.24	0.333	mg/kg wet	3.333		67	40-140	1	30	
N-Nitroso-Di-n-Propylamine	2.65	0.333	mg/kg wet	3.333		79	40-140	0.4	30	
N-nitrosodiphenylamine	2.82	0.333	mg/kg wet	3.333		85	40-140	0.3	30	
Pentachlorophenol	2.58	1.67	mg/kg wet	3.333		77	30-130	1	30	
Phenanthrene	2.55	0.333	mg/kg wet	3.333		77	40-140	2	30	
Phenol	2.65	0.333	mg/kg wet	3.333		79	30-130	0.6	30	
Pyrene	2.88	0.333	mg/kg wet	3.333		86	40-140	7	30	
Pyridine	2.20	1.67	mg/kg wet	3.333		66	40-140	0.2	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.66*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.01*		mg/kg wet	*5.000*		*80*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.41*		mg/kg wet	*5.000*		*88*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.67*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: 2-Fluorophenol	*4.55*		mg/kg wet	*5.000*		*91*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.80*		mg/kg wet	*3.333*		*84*	*30-130*			
Surrogate: Phenol-d6	*4.31*		mg/kg wet	*5.000*		*86*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.11*		mg/kg wet	*3.333*		*93*	*30-130*			
Classical Chemistry										
Batch DH12327 - TCN Prep										
Blank										
Total Cyanide	ND	1.00	mg/kg wet							
LCS										
Total Cyanide	4.92	1.00	mg/kg wet	5.015		98	90-110			
Reference										
Total Cyanide	43.6	4.92	mg/kg wet	48.80		89	22.9-122.9			
Reference										
Total Cyanide	43.2	4.94	mg/kg wet	48.80		89	22.9-122.9			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21H0604

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
ICV+	Initial Calibration Verification recovery is above upper control limit (ICV+).
D+	Relative percent difference for duplicate is outside of criteria (D+).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21H0604

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

Sterling Analytical, Inc.
15 Agawam Avenue
West Springfield, MA 01089
Phone (413) 214-6541 Fax (413) 214-6842
email-madhu@sterlinganalytical.com

Visit our website: www.sterlinganalytical.com

Mass Certification - MA-00071
Conn Certification - PH-0520

Report Date August 26, 2021

Customer	Contact	Laboratory Supervisor	eMail
ESS Laboratory	S. Morrell	Madhu Shah	customerservice@sterlinganalytical.com

Sample Description
Analysis of Soil Samples

Samples Analyzed

Enclosed are Report No(s): 74463..74466

*Results reported on dry basis.

Sulfur Total Blank = <0.05ppm

LCS Lo Check 0.100 = 0.108ppm

ICV 1.00 = 0.943ppm

Thank you for your business

madhu shah

Madhu Shah, Laboratory Supervisor

8/26/2021

Date

ALL the information contained in this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method.
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Sample	Description	Source	Taken/Time	Received
74463	21H0604-01	ESS Laboratory	8/18/21 09:30	8/19/21

Parameter		Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	Less Than	100	mg/kg	100.00	SW 846 6010	08/26/21	dfp

Sample	Description	Source	Taken/Time	Received
74464	21H0604-02	ESS Laboratory	8/18/21 09:35	8/19/21

Parameter		Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	Less Than	100	mg/kg	100.00	SW 846 6010	08/26/21	dfp

Sample	Description	Source	Taken/Time	Received
74465	21H0604-03	ESS Laboratory	8/18/21 09:42	8/19/21

Parameter		Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	Less Than	100	mg/kg	100.00	SW 846 6010	08/26/21	dfp

Sample	Description	Source	Taken/Time	Received
74466	21H0604-04	ESS Laboratory	8/18/21 09:47	8/19/21

Parameter		Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	Less Than	100	mg/kg	100.00	SW 846 6010	08/26/21	dfp

ESS Laboratory — Sterling — CHAIN OF CUSTODY

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

ESS Lab # 21H0604

Turn Time **DUE DATE: 8/25/21**

Regulatory State: MA **RI** CT NH NJ NY ME Other_____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other_____

Reporting Limits - _____

Electonic Deliverables Excel Access PDF

Co. Name: ESS LABORATORY	Project #:	Project Name: 21H0604	
Contact Person: Shawn Morrell / Heather Masse	Address:		
City:	State:	Zip:	PO #: B03046
Tel.	Email: Smorrell@thielsch.com; Hmasse@thielsch.com		

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	Analysis: Total Sulfur 6010 mg/Kg
	8/18/21	0930	C	S	21H0604-01					X
	8/18/21	0935	C	S	21H0604-02					X
	8/18/21	0942	C	S	21H0604-03					X
	8/18/21	0947	C	S	21H0604-04					X

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present ✓ Yes ____ No

Seals Intact ____ Yes ____ No NA: ____

Cooler Temperature: _____

Internal Use Only
[ ] Pickup
[ ] Technician

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Sampled by :

Comments: QC required MB and LCS

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
8/19/21 8:24	8/19/21 8:24	8/19/21 13:48	8-19-21 1348hr
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished By: (Signature, Date & Time)	Received by: (Signature, Date & Time)

By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: ESS Courier

ESS Project ID: 21H0604
Date Received: 8/18/2021
Project Due Date: 8/25/2021
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 2.1 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. Were labs informed about short holds & rushes? Yes / No / (NA)
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? (Yes) / No
    ESS Sample IDs: 1 - 4
    Analysis: Sulfur
    TAT: STD
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA

13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By:
    b. Low Level VOA vials frozen: Date: 8/18/21 Time: 1155 By: TD

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	196902	Yes	N/A	Yes	VOA Vial	MeOH	
1	196906	Yes	N/A	Yes	VOA Vial	DI Water	
1	196907	Yes	N/A	Yes	VOA Vial	DI Water	
1	196914	Yes	N/A	Yes	8 oz jar	NP	
1	196915	Yes	N/A	Yes	8 oz jar	NP	
1	196922	Yes	N/A	Yes	4 oz. Jar	NP	
2	196903	Yes	N/A	Yes	VOA Vial	MeOH	
2	196908	Yes	N/A	Yes	VOA Vial	DI Water	
2	196909	Yes	N/A	Yes	VOA Vial	DI Water	
2	196916	Yes	N/A	Yes	8 oz jar	NP	
2	196917	Yes	N/A	Yes	8 oz jar	NP	
2	196923	Yes	N/A	Yes	4 oz. Jar	NP	
3	196904	Yes	N/A	Yes	VOA Vial	MeOH	
3	196910	Yes	N/A	Yes	VOA Vial	DI Water	
3	196911	Yes	N/A	Yes	VOA Vial	DI Water	
3	196918	Yes	N/A	Yes	8 oz jar	NP	

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 21H0604
Date Received: 8/18/2021

3	196919	Yes	N/A	Yes	8 oz jar	NP
3	196924	Yes	N/A	Yes	4 oz. Jar	NP
4	196905	Yes	N/A	Yes	VOA Vial	MeOH
4	196912	Yes	N/A	Yes	VOA Vial	DI Water
4	196913	Yes	N/A	Yes	VOA Vial	DI Water
4	196920	Yes	N/A	Yes	8 oz jar	NP
4	196921	Yes	N/A	Yes	8 oz jar	NP
4	196925	Yes	N/A	Yes	4 oz. Jar	NP

2nd Review

Initials

Were all containers scanned into storage/lab? (Yes) / No
Are barcode labels on correct containers? Yes / No / NA
Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA
Are all Hex Chrome stickers attached? Yes / No / NA
Are all QC stickers attached? Yes / No / NA
Are VOA stickers attached if bubbles noted? Yes / No / NA

Completed By: Date & Time: 8/18/21 11:37

Reviewed By: Date & Time: 8/18/21 1155

CHAIN OF CUSTODY

185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
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ESS Lab # 2110604 | Page of

Turn Time: ☐ >5 ☒ 5 ☐ 4 ☐ 3 ☐ 2 ☐ 1 ☐ Same Day

Regulatory State: Criteria:

Is this project for any of the following?:
☐ CT RCP ☐ MA MCP ☐ RGP ☒ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF)
☐ Limit Checker ☐ State Forms ☐ EQuIS
☐ Excel ☐ Hard Copy ☐ Enviro Data
☐ CLP-Like Package ☐ Other (Specify) →

CLIENT INFORMATION

Client: GZA
Address: 188 Valley street, Suite 300, Providence, RI
Phone: 401-500-1483
Email Distribution List: Sara.Haupt@gza.com

PROJECT INFORMATION

Project Name: FPLP STRAP COMPLIANCE
Project Location: 542 Allens Avenue
Project Number: 3355404 Task 6.0
Project Manager: Sara Haupt
Bill to: Sara Haupt
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

| ESS Lab ID | Collection Date | Collection Time | Sample Type | Sample Matrix | Sample ID | TPH | VOCs | SVOCs | RCRA 8 Metals | Total Sulfur | Total Cyanide | | |

CERTIFICATE OF ANALYSIS

Sara Haupt
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: FPLP (03.0033554.04 Task 60)
ESS Laboratory Work Order Number: 21I0685

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 3:53 pm, Sep 28, 2021

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Sterling Analytical Lab - West Springfield, MA	Sulfur, Sulfur (Subcontracted)

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21I0685

SAMPLE RECEIPT

The following samples were received on September 20, 2021 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on September 20, 2021 at 15:40.

Lab Number	Sample Name	Matrix	Analysis
21I0685-01	SP092021-1	Soil	6010, 6010C, 7471B, 8100M, 8260B, 8260B Low, 8270D, 9014
21I0685-02	SP092021-2	Soil	6010, 6010C, 7471B, 8100M, 8260B, 8260B Low, 8270D, 9014

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21I0685

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

21I0685-01 **Reported above the quantitation limit; Estimated value (E).**
1,2,4-Trimethylbenzene , 1,3,5-Trimethylbenzene , 4-Isopropyltoluene , Ethylbenzene , Isopropylbenzene , Naphthalene , n-Butylbenzene , n-Propylbenzene , sec-Butylbenzene

21I0685-02 **Reported above the quantitation limit; Estimated value (E).**
1,2,4-Trimethylbenzene , Ethylbenzene , Naphthalene , n-Butylbenzene

5035/8260B Volatile Organic Compounds / Methanol

D1I0318-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Tetrachloroethene (31% @ 30%)

DI12121-BS1 **Blank Spike recovery is above upper control limit (B+).**
1,4-Dioxane - Screen (255% @ 44-241%)

DI12121-BS1 **Blank Spike recovery is below lower control limit (B-).**
Tetrachloroethene (68% @ 70-130%)

8100M Total Petroleum Hydrocarbons

D1I0328-CCV3 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
O-Terphenyl (21% @ 20%)

8270D Semi-Volatile Organic Compounds

21I0685-01 **Elevated Method Reporting Limits due to sample matrix (EL).**

21I0685-02 **Elevated Method Reporting Limits due to sample matrix (EL).**

D1I0322-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (89% @ 80-120%), 4,6-Dinitro-2-Methylphenol (87% @ 80-120%), Benzoic Acid (67% @ 80-120%), Pentachlorophenol (81% @ 80-120%)

D1I0322-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
3-Nitroaniline (21% @ 20%), Di-n-octylphthalate (31% @ 20%), Pyridine (39% @ 20%)

D1I0322-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Benzoic Acid (33% @ 20%)

D1I0322-CCV1 **Initial Calibration Verification recovery is above upper control limit (ICV+).**
2,4-Dinitrophenol

D1I0351-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (73% @ 80-120%), 4,6-Dinitro-2-Methylphenol (88% @ 80-120%), Di-n-octylphthalate (149% @ 80-120%), Pentachlorophenol (92% @ 80-120%)

D1I0351-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
2,4-Dinitrophenol (27% @ 20%)

No other observations noted.

End of Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21I0685

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-1
Date Sampled: 09/20/21 13:03
Percent Solids: 92

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.55)		6010C		1	BJV	09/22/21 13:08	2.13	100	DI12046
Barium	**33.3** (2.55)		6010C		1	BJV	09/22/21 13:08	2.13	100	DI12046
Cadmium	ND (0.51)		6010C		1	BJV	09/22/21 13:08	2.13	100	DI12046
Chromium	**7.01** (1.02)		6010C		1	BJV	09/22/21 13:08	2.13	100	DI12046
Lead	**29.9** (5.10)		6010C		1	BJV	09/22/21 13:08	2.13	100	DI12046
Mercury	ND (0.031)		7471B		1	JRB	09/21/21 13:54	0.7	40	DI12047
Selenium	ND (5.10)		6010C		1	BJV	09/22/21 13:08	2.13	100	DI12046
Silver	ND (0.51)		6010C		1	BJV	09/22/21 13:08	2.13	100	DI12046

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-1
Date Sampled: 09/20/21 13:03
Percent Solids: 92
Initial Volume: 9.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1,1,1-Trichloroethane	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1,1,2,2-Tetrachloroethane	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1,1,2-Trichloroethane	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1,1-Dichloroethane	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1,1-Dichloroethene	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1,1-Dichloropropene	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1,2,3-Trichlorobenzene	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1,2,3-Trichloropropane	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1,2,4-Trichlorobenzene	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1,2,4-Trimethylbenzene	**E 0.943** (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1,2-Dibromo-3-Chloropropane	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1,2-Dibromoethane	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1,2-Dichlorobenzene	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1,2-Dichloroethane	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1,2-Dichloropropane	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1,3,5-Trimethylbenzene	**E 0.125** (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1,3-Dichlorobenzene	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1,3-Dichloropropane	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1,4-Dichlorobenzene	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1,4-Dioxane	ND (0.0597)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
1-Chlorohexane	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
2,2-Dichloropropane	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
2-Butanone	ND (0.0299)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
2-Chlorotoluene	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
2-Hexanone	ND (0.0299)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
4-Chlorotoluene	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
4-Isopropyltoluene	**E 0.151** (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
4-Methyl-2-Pentanone	ND (0.0299)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Acetone	**0.0456** (0.0299)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Benzene	**0.0446** (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Bromobenzene	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-1
Date Sampled: 09/20/21 13:03
Percent Solids: 92
Initial Volume: 9.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Bromodichloromethane	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Bromoform	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Bromomethane	ND (0.0060)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Carbon Disulfide	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Carbon Tetrachloride	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Chlorobenzene	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Chloroethane	ND (0.0060)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Chloroform	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Chloromethane	ND (0.0060)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
cis-1,2-Dichloroethene	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
cis-1,3-Dichloropropene	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Dibromochloromethane	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Dibromomethane	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Dichlorodifluoromethane	ND (0.0060)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Diethyl Ether	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Di-isopropyl ether	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Ethyl tertiary-butyl ether	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Ethylbenzene	**E 0.400** (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Hexachlorobutadiene	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Isopropylbenzene	**E 0.210** (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Methyl tert-Butyl Ether	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Methylene Chloride	ND (0.0149)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Naphthalene	**E 0.919** (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
n-Butylbenzene	**E 0.357** (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
n-Propylbenzene	**E 0.301** (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
sec-Butylbenzene	**E 0.193** (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Styrene	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
tert-Butylbenzene	**0.0202** (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Tertiary-amyl methyl ether	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Tetrachloroethene	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Tetrahydrofuran	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-1
Date Sampled: 09/20/21 13:03
Percent Solids: 92
Initial Volume: 9.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
trans-1,2-Dichloroethene	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
trans-1,3-Dichloropropene	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Trichloroethene	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Trichlorofluoromethane	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Vinyl Acetate	ND (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Vinyl Chloride	ND (0.0060)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Xylene O	**0.0520** (0.0030)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Xylene P,M	**0.0463** (0.0060)		8260B Low		1	09/21/21 13:34	D1I0311	DI12111
Xylenes (Total)	**0.0983** (0.00597)		8260B Low		1	09/21/21 13:34		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*102 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*80 %*		*70-130*
Surrogate: Dibromofluoromethane	*99 %*		*70-130*
Surrogate: Toluene-d8	*100 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-1
Date Sampled: 09/20/21 13:03
Percent Solids: 92
Initial Volume: 28.3
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
1,1,1-Trichloroethane	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
1,1,2,2-Tetrachloroethane	ND (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
1,1,2-Trichloroethane	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
1,1-Dichloroethane	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
1,1-Dichloroethene	ND (0.133)	0.0398	8260B		1	09/21/21 16:45	D1I0318	DI12121
1,1-Dichloropropene	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
1,2,3-Trichlorobenzene	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
1,2,3-Trichloropropane	ND (0.133)	0.0398	8260B		1	09/21/21 16:45	D1I0318	DI12121
1,2,4-Trichlorobenzene	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
1,2,4-Trimethylbenzene	**5.72** (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
1,2-Dibromo-3-Chloropropane	ND (0.664)	0.133	8260B		1	09/21/21 16:45	D1I0318	DI12121
1,2-Dibromoethane	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
1,2-Dichlorobenzene	ND (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
1,2-Dichloroethane	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
1,2-Dichloropropane	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
1,3,5-Trimethylbenzene	**0.362** (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
1,3-Dichlorobenzene	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
1,3-Dichloropropane	ND (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
1,4-Dichlorobenzene	ND (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
1,4-Dioxane - Screen	ND (26.5)	25.2	8260B		1	09/21/21 16:45	D1I0318	DI12121
1-Chlorohexane	ND (0.133)	0.0531	8260B		1	09/21/21 16:45	D1I0318	DI12121
2,2-Dichloropropane	ND (0.133)	0.0398	8260B		1	09/21/21 16:45	D1I0318	DI12121
2-Butanone	ND (0.664)	0.451	8260B		1	09/21/21 16:45	D1I0318	DI12121
2-Chlorotoluene	ND (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
2-Hexanone	ND (0.664)	0.199	8260B		1	09/21/21 16:45	D1I0318	DI12121
4-Chlorotoluene	ND (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
4-Isopropyltoluene	**0.527** (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
4-Methyl-2-Pentanone	ND (0.664)	0.212	8260B		1	09/21/21 16:45	D1I0318	DI12121
Acetone	ND (0.664)	0.358	8260B		1	09/21/21 16:45	D1I0318	DI12121
Benzene	**J 0.104** (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
Bromobenzene	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-1
Date Sampled: 09/20/21 13:03
Percent Solids: 92
Initial Volume: 28.3
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.133)	0.0398	8260B		1	09/21/21 16:45	D1I0318	DI12121
Bromodichloromethane	ND (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
Bromoform	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
Bromomethane	ND (0.133)	0.0531	8260B		1	09/21/21 16:45	D1I0318	DI12121
Carbon Disulfide	ND (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
Carbon Tetrachloride	ND (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
Chlorobenzene	ND (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
Chloroethane	ND (0.133)	0.0531	8260B		1	09/21/21 16:45	D1I0318	DI12121
Chloroform	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
Chloromethane	ND (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
cis-1,2-Dichloroethene	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
cis-1,3-Dichloropropene	ND (0.133)	0.0398	8260B		1	09/21/21 16:45	D1I0318	DI12121
Dibromochloromethane	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
Dibromomethane	ND (0.133)	0.0398	8260B		1	09/21/21 16:45	D1I0318	DI12121
Dichlorodifluoromethane	ND (0.133)	0.0398	8260B		1	09/21/21 16:45	D1I0318	DI12121
Diethyl Ether	ND (0.133)	0.0398	8260B		1	09/21/21 16:45	D1I0318	DI12121
Di-isopropyl ether	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
Ethyl tertiary-butyl ether	ND (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
Ethylbenzene	**1.33** (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
Hexachlorobutadiene	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
Isopropylbenzene	**0.447** (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
Methyl tert-Butyl Ether	ND (0.133)	0.0398	8260B		1	09/21/21 16:45	D1I0318	DI12121
Methylene Chloride	ND (0.265)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
Naphthalene	**33.1** (1.33)	0.265	8260B		10	09/22/21 12:22	D1I0318	DI12121
n-Butylbenzene	**1.52** (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
n-Propylbenzene	**0.706** (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
sec-Butylbenzene	**0.600** (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
Styrene	ND (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
tert-Butylbenzene	**J 0.0531** (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
Tertiary-amyl methyl ether	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
Tetrachloroethene	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
Tetrahydrofuran	ND (0.664)	0.212	8260B		1	09/21/21 16:45	D1I0318	DI12121

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-1
Date Sampled: 09/20/21 13:03
Percent Solids: 92
Initial Volume: 28.3
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	**J 0.0305** (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
trans-1,2-Dichloroethene	ND (0.133)	0.0398	8260B		1	09/21/21 16:45	D1I0318	DI12121
trans-1,3-Dichloropropene	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
Trichloroethene	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
Trichlorofluoromethane	ND (0.133)	0.0531	8260B		1	09/21/21 16:45	D1I0318	DI12121
Vinyl Acetate	ND (0.133)	0.0664	8260B		1	09/21/21 16:45	D1I0318	DI12121
Vinyl Chloride	ND (0.133)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
Xylene O	**0.202** (0.133)	0.0133	8260B		1	09/21/21 16:45	D1I0318	DI12121
Xylene P,M	**J 0.183** (0.265)	0.0265	8260B		1	09/21/21 16:45	D1I0318	DI12121
Xylenes (Total)	**0.385** (0.265)		8260B		1	09/21/21 16:45		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*103 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*99 %*		*70-130*
Surrogate: Dibromofluoromethane	*104 %*		*70-130*
Surrogate: Toluene-d8	*106 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-1
Date Sampled: 09/20/21 13:03
Percent Solids: 92
Initial Volume: 19.2
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 9/20/21 19:55

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**1820** (42.5)		8100M		1	09/21/21 14:52	D1I0328	DI12008

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*131 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-1
Date Sampled: 09/20/21 13:03
Percent Solids: 92
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/21/21 19:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	**0.442** (0.189)		8270D		1	09/23/21 1:31	D1I0351	DI12124
1,2,4-Trichlorobenzene	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
1,2-Dichlorobenzene	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
1,3-Dichlorobenzene	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
1,4-Dichlorobenzene	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
2,3,4,6-Tetrachlorophenol	ND (1.89)		8270D		1	09/23/21 1:31	D1I0351	DI12124
2,4,5-Trichlorophenol	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
2,4,6-Trichlorophenol	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
2,4-Dichlorophenol	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
2,4-Dimethylphenol	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
2,4-Dinitrophenol	ND (1.89)		8270D		1	09/23/21 1:31	D1I0351	DI12124
2,4-Dinitrotoluene	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
2,6-Dinitrotoluene	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
2-Chloronaphthalene	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
2-Chlorophenol	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
2-Methylnaphthalene	**14.2** (3.77)		8270D		10	09/24/21 0:03	D1I0351	DI12124
2-Methylphenol	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
2-Nitroaniline	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
2-Nitrophenol	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
3,3′-Dichlorobenzidine	ND (0.189)		8270D		1	09/23/21 1:31	D1I0351	DI12124
3+4-Methylphenol	ND (0.755)		8270D		1	09/23/21 1:31	D1I0351	DI12124
3-Nitroaniline	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
4,6-Dinitro-2-Methylphenol	ND (1.89)		8270D		1	09/23/21 1:31	D1I0351	DI12124
4-Bromophenyl-phenylether	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
4-Chloro-3-Methylphenol	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
4-Chloroaniline	ND (0.755)		8270D		1	09/23/21 1:31	D1I0351	DI12124
4-Chloro-phenyl-phenyl ether	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
4-Nitroaniline	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
4-Nitrophenol	ND (1.89)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Acenaphthene	**1.16** (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Acenaphthylene	**0.561** (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Acetophenone	ND (0.755)		8270D		1	09/23/21 1:31	D1I0351	DI12124

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-1
Date Sampled: 09/20/21 13:03
Percent Solids: 92
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/21/21 19:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.755)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Anthracene	**0.683** (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Azobenzene	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Benzo(a)anthracene	**0.547** (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Benzo(a)pyrene	**0.448** (0.189)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Benzo(b)fluoranthene	**0.429** (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Benzo(g,h,i)perylene	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Benzo(k)fluoranthene	**0.399** (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Benzoic Acid	ND (1.89)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Benzyl Alcohol	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
bis(2-Chloroethoxy)methane	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
bis(2-Chloroethyl)ether	ND (0.189)		8270D		1	09/23/21 1:31	D1I0351	DI12124
bis(2-chloroisopropyl)Ether	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
bis(2-Ethylhexyl)phthalate	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Butylbenzylphthalate	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Carbazole	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Chrysene	**0.533** (0.189)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Dibenzo(a,h)Anthracene	ND (0.189)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Dibenzofuran	**1.50** (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Diethylphthalate	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Dimethylphthalate	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Di-n-butylphthalate	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Di-n-octylphthalate	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Fluoranthene	**0.777** (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Fluorene	**1.47** (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Hexachlorobenzene	ND (0.189)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Hexachlorobutadiene	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Hexachlorocyclopentadiene	ND (1.89)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Hexachloroethane	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Indeno(1,2,3-cd)Pyrene	**0.412** (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Isophorone	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Naphthalene	**28.0** (1.89)		8270D		10	09/24/21 0:03	D1I0351	DI12124

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-1
Date Sampled: 09/20/21 13:03
Percent Solids: 92
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/21/21 19:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
N-Nitrosodimethylamine	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
N-Nitroso-Di-n-Propylamine	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
N-nitrosodiphenylamine	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Pentachlorophenol	ND (1.89)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Phenanthrene	**3.07** (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Phenol	ND (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Pyrene	**1.15** (0.377)		8270D		1	09/23/21 1:31	D1I0351	DI12124
Pyridine	ND (1.89)		8270D		1	09/23/21 1:31	D1I0351	DI12124

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*59 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*77 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*63 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*77 %*		*30-130*
Surrogate: 2-Fluorophenol	*59 %*		*30-130*
Surrogate: Nitrobenzene-d5	*70 %*		*30-130*
Surrogate: Phenol-d6	*62 %*		*30-130*
Surrogate: p-Terphenyl-d14	*92 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-1
Date Sampled: 09/20/21 13:03
Percent Solids: 92

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**3.73** (1.05)		9014		1	EEM	09/22/21 12:45	mg/kg dry	DI12231

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-1
Date Sampled: 09/20/21 13:03
Percent Solids: 92
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-01
Sample Matrix: Soil

Analyst: SUB
Prepared: 9/24/21 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**480** (100)		6010		1	SUB	09/24/21 0:00	mg/kg	DI12826

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-2
Date Sampled: 09/20/21 13:13
Percent Solids: 95

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.59)		6010C		1	BJV	09/22/21 13:09	2.04	100	DI12046
Barium	**17.5** (2.59)		6010C		1	BJV	09/22/21 13:09	2.04	100	DI12046
Cadmium	ND (0.52)		6010C		1	BJV	09/22/21 13:09	2.04	100	DI12046
Chromium	**6.90** (1.04)		6010C		1	BJV	09/22/21 13:09	2.04	100	DI12046
Lead	**17.4** (5.18)		6010C		1	BJV	09/22/21 13:09	2.04	100	DI12046
Mercury	ND (0.028)		7471B		1	JRB	09/21/21 14:00	0.74	40	DI12047
Selenium	ND (5.18)		6010C		1	BJV	09/22/21 13:09	2.04	100	DI12046
Silver	ND (0.52)		6010C		1	BJV	09/22/21 13:09	2.04	100	DI12046

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-2
Date Sampled: 09/20/21 13:13
Percent Solids: 95
Initial Volume: 9.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1,1,1-Trichloroethane	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1,1,2,2-Tetrachloroethane	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1,1,2-Trichloroethane	**0.0030** (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1,1-Dichloroethane	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1,1-Dichloroethene	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1,1-Dichloropropene	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1,2,3-Trichlorobenzene	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1,2,3-Trichloropropane	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1,2,4-Trichlorobenzene	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1,2,4-Trimethylbenzene	**E 0.631** (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1,2-Dibromo-3-Chloropropane	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1,2-Dibromoethane	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1,2-Dichlorobenzene	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1,2-Dichloroethane	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1,2-Dichloropropane	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1,3,5-Trimethylbenzene	**0.0574** (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1,3-Dichlorobenzene	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1,3-Dichloropropane	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1,4-Dichlorobenzene	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1,4-Dioxane	ND (0.0574)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
1-Chlorohexane	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
2,2-Dichloropropane	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
2-Butanone	ND (0.0287)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
2-Chlorotoluene	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
2-Hexanone	ND (0.0287)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
4-Chlorotoluene	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
4-Isopropyltoluene	**0.0689** (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
4-Methyl-2-Pentanone	ND (0.0287)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Acetone	ND (0.0287)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Benzene	**0.0108** (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Bromobenzene	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-2
Date Sampled: 09/20/21 13:13
Percent Solids: 95
Initial Volume: 9.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Bromodichloromethane	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Bromoform	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Bromomethane	ND (0.0057)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Carbon Disulfide	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Carbon Tetrachloride	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Chlorobenzene	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Chloroethane	ND (0.0057)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Chloroform	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Chloromethane	ND (0.0057)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
cis-1,2-Dichloroethene	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
cis-1,3-Dichloropropene	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Dibromochloromethane	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Dibromomethane	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Dichlorodifluoromethane	ND (0.0057)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Diethyl Ether	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Di-isopropyl ether	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Ethyl tertiary-butyl ether	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Ethylbenzene	**E 0.194** (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Hexachlorobutadiene	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Isopropylbenzene	**0.0751** (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Methyl tert-Butyl Ether	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Methylene Chloride	ND (0.0144)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Naphthalene	**E 0.770** (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
n-Butylbenzene	**E 0.184** (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
n-Propylbenzene	**0.113** (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
sec-Butylbenzene	**0.0800** (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Styrene	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
tert-Butylbenzene	**0.0079** (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Tertiary-amyl methyl ether	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Tetrachloroethene	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Tetrahydrofuran	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-2
Date Sampled: 09/20/21 13:13
Percent Solids: 95
Initial Volume: 9.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
trans-1,2-Dichloroethene	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
trans-1,3-Dichloropropene	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Trichloroethene	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Trichlorofluoromethane	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Vinyl Acetate	ND (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Vinyl Chloride	ND (0.0057)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Xylene O	**0.0229** (0.0029)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Xylene P,M	**0.0196** (0.0057)		8260B Low		1	09/21/21 13:09	D1I0311	DI12111
Xylenes (Total)	**0.0425** (0.00574)		8260B Low		1	09/21/21 13:09		[CALC]

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*124 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*116 %*		*70-130*
Surrogate: Toluene-d8	*96 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-2
Date Sampled: 09/20/21 13:13
Percent Solids: 95
Initial Volume: 29.1
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
1,1,1-Trichloroethane	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
1,1,2,2-Tetrachloroethane	ND (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
1,1,2-Trichloroethane	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
1,1-Dichloroethane	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
1,1-Dichloroethene	ND (0.120)	0.0360	8260B		1	09/21/21 17:12	D1I0318	DI12121
1,1-Dichloropropene	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
1,2,3-Trichlorobenzene	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
1,2,3-Trichloropropane	ND (0.120)	0.0360	8260B		1	09/21/21 17:12	D1I0318	DI12121
1,2,4-Trichlorobenzene	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
1,2,4-Trimethylbenzene	**4.51** (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
1,2-Dibromo-3-Chloropropane	ND (0.601)	0.120	8260B		1	09/21/21 17:12	D1I0318	DI12121
1,2-Dibromoethane	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
1,2-Dichlorobenzene	ND (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
1,2-Dichloroethane	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
1,2-Dichloropropane	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
1,3,5-Trimethylbenzene	**0.166** (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
1,3-Dichlorobenzene	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
1,3-Dichloropropane	ND (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
1,4-Dichlorobenzene	ND (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
1,4-Dioxane - Screen	ND (24.0)	22.8	8260B		1	09/21/21 17:12	D1I0318	DI12121
1-Chlorohexane	ND (0.120)	0.0480	8260B		1	09/21/21 17:12	D1I0318	DI12121
2,2-Dichloropropane	ND (0.120)	0.0360	8260B		1	09/21/21 17:12	D1I0318	DI12121
2-Butanone	ND (0.601)	0.408	8260B		1	09/21/21 17:12	D1I0318	DI12121
2-Chlorotoluene	ND (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
2-Hexanone	ND (0.601)	0.180	8260B		1	09/21/21 17:12	D1I0318	DI12121
4-Chlorotoluene	ND (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
4-Isopropyltoluene	**0.390** (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
4-Methyl-2-Pentanone	ND (0.601)	0.192	8260B		1	09/21/21 17:12	D1I0318	DI12121
Acetone	ND (0.601)	0.324	8260B		1	09/21/21 17:12	D1I0318	DI12121
Benzene	**0.149** (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
Bromobenzene	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-2
Date Sampled: 09/20/21 13:13
Percent Solids: 95
Initial Volume: 29.1
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.120)	0.0360	8260B		1	09/21/21 17:12	D1I0318	DI12121
Bromodichloromethane	ND (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
Bromoform	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
Bromomethane	ND (0.120)	0.0480	8260B		1	09/21/21 17:12	D1I0318	DI12121
Carbon Disulfide	ND (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
Carbon Tetrachloride	ND (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
Chlorobenzene	ND (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
Chloroethane	ND (0.120)	0.0480	8260B		1	09/21/21 17:12	D1I0318	DI12121
Chloroform	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
Chloromethane	ND (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
cis-1,2-Dichloroethene	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
cis-1,3-Dichloropropene	ND (0.120)	0.0360	8260B		1	09/21/21 17:12	D1I0318	DI12121
Dibromochloromethane	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
Dibromomethane	ND (0.120)	0.0360	8260B		1	09/21/21 17:12	D1I0318	DI12121
Dichlorodifluoromethane	ND (0.120)	0.0360	8260B		1	09/21/21 17:12	D1I0318	DI12121
Diethyl Ether	ND (0.120)	0.0360	8260B		1	09/21/21 17:12	D1I0318	DI12121
Di-isopropyl ether	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
Ethyl tertiary-butyl ether	ND (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
Ethylbenzene	**0.894** (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
Hexachlorobutadiene	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
Isopropylbenzene	**0.375** (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
Methyl tert-Butyl Ether	ND (0.120)	0.0360	8260B		1	09/21/21 17:12	D1I0318	DI12121
Methylene Chloride	ND (0.240)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
Naphthalene	**27.5** (1.20)	0.240	8260B		10	09/22/21 12:48	D1I0318	DI12121
n-Butylbenzene	**1.14** (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
n-Propylbenzene	**0.593** (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
sec-Butylbenzene	**0.491** (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
Styrene	ND (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
tert-Butylbenzene	**J 0.0408** (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
Tertiary-amyl methyl ether	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
Tetrachloroethene	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
Tetrahydrofuran	ND (0.601)	0.192	8260B		1	09/21/21 17:12	D1I0318	DI12121

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-2
Date Sampled: 09/20/21 13:13
Percent Solids: 95
Initial Volume: 29.1
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
trans-1,2-Dichloroethene	ND (0.120)	0.0360	8260B		1	09/21/21 17:12	D1I0318	DI12121
trans-1,3-Dichloropropene	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
Trichloroethene	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
Trichlorofluoromethane	ND (0.120)	0.0480	8260B		1	09/21/21 17:12	D1I0318	DI12121
Vinyl Acetate	ND (0.120)	0.0601	8260B		1	09/21/21 17:12	D1I0318	DI12121
Vinyl Chloride	ND (0.120)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
Xylene O	**J 0.117** (0.120)	0.0120	8260B		1	09/21/21 17:12	D1I0318	DI12121
Xylene P,M	**J 0.0889** (0.240)	0.0240	8260B		1	09/21/21 17:12	D1I0318	DI12121
Xylenes (Total)	ND (0.240)		8260B		1	09/21/21 17:12		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*105 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*107 %*		*70-130*
Surrogate: Dibromofluoromethane	*108 %*		*70-130*
Surrogate: Toluene-d8	*107 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-2
Date Sampled: 09/20/21 13:13
Percent Solids: 95
Initial Volume: 19.2
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 9/20/21 19:55

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**2240** (41.3)		8100M		1	09/21/21 15:26	D1I0328	DI12008

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*116 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-2
Date Sampled: 09/20/21 13:13
Percent Solids: 95
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/21/21 19:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.355)		8270D		2	09/23/21 2:02	D1I0351	DI12124
1,2,4-Trichlorobenzene	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
1,2-Dichlorobenzene	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
1,3-Dichlorobenzene	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
1,4-Dichlorobenzene	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
2,3,4,6-Tetrachlorophenol	ND (3.55)		8270D		2	09/23/21 2:02	D1I0351	DI12124
2,4,5-Trichlorophenol	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
2,4,6-Trichlorophenol	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
2,4-Dichlorophenol	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
2,4-Dimethylphenol	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
2,4-Dinitrophenol	ND (3.55)		8270D		2	09/23/21 2:02	D1I0351	DI12124
2,4-Dinitrotoluene	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
2,6-Dinitrotoluene	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
2-Chloronaphthalene	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
2-Chlorophenol	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
2-Methylnaphthalene	**17.3** (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
2-Methylphenol	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
2-Nitroaniline	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
2-Nitrophenol	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
3,3′-Dichlorobenzidine	ND (0.355)		8270D		2	09/23/21 2:02	D1I0351	DI12124
3+4-Methylphenol	ND (1.42)		8270D		2	09/23/21 2:02	D1I0351	DI12124
3-Nitroaniline	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
4,6-Dinitro-2-Methylphenol	ND (3.55)		8270D		2	09/23/21 2:02	D1I0351	DI12124
4-Bromophenyl-phenylether	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
4-Chloro-3-Methylphenol	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
4-Chloroaniline	ND (1.42)		8270D		2	09/23/21 2:02	D1I0351	DI12124
4-Chloro-phenyl-phenyl ether	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
4-Nitroaniline	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
4-Nitrophenol	ND (3.55)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Acenaphthene	**1.31** (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Acenaphthylene	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Acetophenone	ND (1.42)		8270D		2	09/23/21 2:02	D1I0351	DI12124

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-2
Date Sampled: 09/20/21 13:13
Percent Solids: 95
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/21/21 19:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (1.42)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Anthracene	**0.808** (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Azobenzene	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Benzo(a)anthracene	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Benzo(a)pyrene	**0.545** (0.355)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Benzo(b)fluoranthene	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Benzo(g,h,i)perylene	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Benzo(k)fluoranthene	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Benzoic Acid	ND (3.55)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Benzyl Alcohol	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
bis(2-Chloroethoxy)methane	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
bis(2-Chloroethyl)ether	ND (0.355)		8270D		2	09/23/21 2:02	D1I0351	DI12124
bis(2-chloroisopropyl)Ether	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
bis(2-Ethylhexyl)phthalate	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Butylbenzylphthalate	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Carbazole	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Chrysene	**0.604** (0.355)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Dibenzo(a,h)Anthracene	ND (0.355)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Dibenzofuran	**1.72** (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Diethylphthalate	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Dimethylphthalate	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Di-n-butylphthalate	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Di-n-octylphthalate	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Fluoranthene	**0.849** (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Fluorene	**1.69** (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Hexachlorobenzene	ND (0.355)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Hexachlorobutadiene	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Hexachlorocyclopentadiene	ND (3.55)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Hexachloroethane	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Indeno(1,2,3-cd)Pyrene	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Isophorone	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Naphthalene	**32.2** (3.55)		8270D		20	09/24/21 0:33	D1I0351	DI12124

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-2
Date Sampled: 09/20/21 13:13
Percent Solids: 95
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 9/21/21 19:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
N-Nitrosodimethylamine	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
N-Nitroso-Di-n-Propylamine	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
N-nitrosodiphenylamine	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Pentachlorophenol	ND (3.55)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Phenanthrene	**3.60** (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Phenol	ND (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Pyrene	**1.26** (0.708)		8270D		2	09/23/21 2:02	D1I0351	DI12124
Pyridine	ND (3.55)		8270D		2	09/23/21 2:02	D1I0351	DI12124

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*55 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*73 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*60 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*79 %*		*30-130*
Surrogate: 2-Fluorophenol	*56 %*		*30-130*
Surrogate: Nitrobenzene-d5	*65 %*		*30-130*
Surrogate: Phenol-d6	*59 %*		*30-130*
Surrogate: p-Terphenyl-d14	*97 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-2
Date Sampled: 09/20/21 13:13
Percent Solids: 95

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-02
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**2.41** (0.99)		9014		1	EEM	09/22/21 12:45	mg/kg dry	DI12231

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP092021-2
Date Sampled: 09/20/21 13:13
Percent Solids: 95
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 21I0685
ESS Laboratory Sample ID: 21I0685-02
Sample Matrix: Soil

Analyst: SUB
Prepared: 9/24/21 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**526** (100)		6010		1	SUB	09/24/21 0:00	mg/kg	DI12826

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21I0685

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DI12046 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
Barium	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
LCS										
Arsenic	219	6.67	mg/kg wet	281.0		78	70-130			
Barium	508	6.67	mg/kg wet	595.0		85	75-125			
Cadmium	220	1.33	mg/kg wet	276.0		80	80-120			
Chromium	217	2.67	mg/kg wet	277.0		78	70-130			
Lead	184	13.3	mg/kg wet	228.0		81	80-120			
Selenium	141	13.3	mg/kg wet	178.0		79	69-132			
Silver	34.5	1.33	mg/kg wet	44.40		78	70-130			
LCS Dup										
Arsenic	226	7.46	mg/kg wet	281.0		81	70-130	3	20	
Barium	463	7.46	mg/kg wet	595.0		78	75-125	9	20	
Cadmium	228	1.49	mg/kg wet	276.0		82	80-120	3	20	
Chromium	223	2.99	mg/kg wet	277.0		80	70-130	3	20	
Lead	194	14.9	mg/kg wet	228.0		85	80-120	5	20	
Selenium	147	14.9	mg/kg wet	178.0		83	69-132	4	20	
Silver	35.5	1.49	mg/kg wet	44.40		80	70-130	3	20	
Reference										
Chromium	369	3.08	mg/kg wet	500.0		74	70-130			
Batch DI12047 - 7471B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	21.1	3.00	mg/kg wet	21.60		98	80-120			
LCS Dup										
Mercury	22.0	3.14	mg/kg wet	21.60		102	80-120	5	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch DI12111 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21I0685

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DI12111 - 5035										
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21I0685

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DI12111 - 5035										
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0565*		mg/kg wet	*0.05000*		*113*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0471*		mg/kg wet	*0.05000*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0537*		mg/kg wet	*0.05000*		*107*	*70-130*			
Surrogate: Toluene-d8	*0.0506*		mg/kg wet	*0.05000*		*101*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0487	0.0050	mg/kg wet	0.05000		97	70-130			
1,1,1-Trichloroethane	0.0533	0.0050	mg/kg wet	0.05000		107	70-130			
1,1,2,2-Tetrachloroethane	0.0539	0.0050	mg/kg wet	0.05000		108	70-130			
1,1,2-Trichloroethane	0.0554	0.0050	mg/kg wet	0.05000		111	70-130			
1,1-Dichloroethane	0.0543	0.0050	mg/kg wet	0.05000		109	70-130			
1,1-Dichloroethene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
1,1-Dichloropropene	0.0558	0.0050	mg/kg wet	0.05000		112	70-130			
1,2,3-Trichlorobenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
1,2,3-Trichloropropane	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
1,2,4-Trichlorobenzene	0.0486	0.0050	mg/kg wet	0.05000		97	70-130			
1,2,4-Trimethylbenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
1,2-Dibromo-3-Chloropropane	0.0472	0.0050	mg/kg wet	0.05000		94	70-130			
1,2-Dibromoethane	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
1,2-Dichlorobenzene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
1,2-Dichloroethane	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
1,2-Dichloropropane	0.0543	0.0050	mg/kg wet	0.05000		109	70-130			
1,3,5-Trimethylbenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
1,3-Dichlorobenzene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21I0685

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DI12111 - 5035										
1,3-Dichloropropane	0.0563	0.0050	mg/kg wet	0.05000		113	70-130			
1,4-Dichlorobenzene	0.0488	0.0050	mg/kg wet	0.05000		98	70-130			
1,4-Dioxane	1.01	0.100	mg/kg wet	1.000		101	70-130			
1-Chlorohexane	0.0428	0.0050	mg/kg wet	0.05000		86	70-130			
2,2-Dichloropropane	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
2-Butanone	0.307	0.0500	mg/kg wet	0.2500		123	70-130			
2-Chlorotoluene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
2-Hexanone	0.272	0.0500	mg/kg wet	0.2500		109	70-130			
4-Chlorotoluene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
4-Isopropyltoluene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
4-Methyl-2-Pentanone	0.265	0.0500	mg/kg wet	0.2500		106	70-130			
Acetone	0.309	0.0500	mg/kg wet	0.2500		124	70-130			
Benzene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130			
Bromobenzene	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
Bromochloromethane	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
Bromodichloromethane	0.0523	0.0050	mg/kg wet	0.05000		105	70-130			
Bromoform	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
Bromomethane	0.0492	0.0100	mg/kg wet	0.05000		98	70-130			
Carbon Disulfide	0.0599	0.0050	mg/kg wet	0.05000		120	70-130			
Carbon Tetrachloride	0.0575	0.0050	mg/kg wet	0.05000		115	70-130			
Chlorobenzene	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
Chloroethane	0.0573	0.0100	mg/kg wet	0.05000		115	70-130			
Chloroform	0.0540	0.0050	mg/kg wet	0.05000		108	70-130			
Chloromethane	0.0553	0.0100	mg/kg wet	0.05000		111	70-130			
cis-1,2-Dichloroethene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130			
cis-1,3-Dichloropropene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130			
Dibromochloromethane	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
Dibromomethane	0.0551	0.0050	mg/kg wet	0.05000		110	70-130			
Dichlorodifluoromethane	0.0499	0.0100	mg/kg wet	0.05000		100	70-130			
Diethyl Ether	0.0609	0.0050	mg/kg wet	0.05000		122	70-130			
Di-isopropyl ether	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
Ethyl tertiary-butyl ether	0.0531	0.0050	mg/kg wet	0.05000		106	70-130			
Ethylbenzene	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
Hexachlorobutadiene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
Isopropylbenzene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130			
Methyl tert-Butyl Ether	0.0572	0.0050	mg/kg wet	0.05000		114	70-130			
Methylene Chloride	0.0492	0.0250	mg/kg wet	0.05000		98	70-130			
Naphthalene	0.0475	0.0050	mg/kg wet	0.05000		95	70-130			
n-Butylbenzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
n-Propylbenzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
sec-Butylbenzene	0.0487	0.0050	mg/kg wet	0.05000		97	70-130			
Styrene	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
tert-Butylbenzene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130			
Tertiary-amyl methyl ether	0.0539	0.0050	mg/kg wet	0.05000		108	70-130			
Tetrachloroethene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21I0685

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DI12111 - 5035										
Tetrahydrofuran	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
Toluene	0.0514	0.0050	mg/kg wet	0.05000		103	70-130			
trans-1,2-Dichloroethene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130			
trans-1,3-Dichloropropene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130			
Trichloroethene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130			
Trichlorofluoromethane	0.0514	0.0050	mg/kg wet	0.05000		103	70-130			
Vinyl Acetate	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
Vinyl Chloride	0.0593	0.0100	mg/kg wet	0.05000		119	70-130			
Xylene O	0.0475	0.0050	mg/kg wet	0.05000		95	70-130			
Xylene P,M	0.0972	0.0100	mg/kg wet	0.1000		97	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0525*		mg/kg wet	*0.05000*		*105*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0512*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0531*		mg/kg wet	*0.05000*		*106*	*70-130*			
Surrogate: Toluene-d8	*0.0508*		mg/kg wet	*0.05000*		*102*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	5	25	
1,1,1-Trichloroethane	0.0560	0.0050	mg/kg wet	0.05000		112	70-130	5	25	
1,1,2,2-Tetrachloroethane	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	2	25	
1,1,2-Trichloroethane	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	0.9	25	
1,1-Dichloroethane	0.0571	0.0050	mg/kg wet	0.05000		114	70-130	5	25	
1,1-Dichloroethene	0.0588	0.0050	mg/kg wet	0.05000		118	70-130	7	25	
1,1-Dichloropropene	0.0588	0.0050	mg/kg wet	0.05000		118	70-130	5	25	
1,2,3-Trichlorobenzene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130	7	25	
1,2,3-Trichloropropane	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	2	25	
1,2,4-Trichlorobenzene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130	9	25	
1,2,4-Trimethylbenzene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	8	25	
1,2-Dibromo-3-Chloropropane	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	3	25	
1,2-Dibromoethane	0.0552	0.0050	mg/kg wet	0.05000		110	70-130	3	25	
1,2-Dichlorobenzene	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	6	25	
1,2-Dichloroethane	0.0556	0.0050	mg/kg wet	0.05000		111	70-130	3	25	
1,2-Dichloropropane	0.0566	0.0050	mg/kg wet	0.05000		113	70-130	4	25	
1,3,5-Trimethylbenzene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130	8	25	
1,3-Dichlorobenzene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	4	25	
1,3-Dichloropropane	0.0576	0.0050	mg/kg wet	0.05000		115	70-130	2	25	
1,4-Dichlorobenzene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	9	25	
1,4-Dioxane	1.05	0.100	mg/kg wet	1.000		105	70-130	3	20	
1-Chlorohexane	0.0459	0.0050	mg/kg wet	0.05000		92	70-130	7	25	
2,2-Dichloropropane	0.0573	0.0050	mg/kg wet	0.05000		115	70-130	5	25	
2-Butanone	0.278	0.0500	mg/kg wet	0.2500		111	70-130	10	25	
2-Chlorotoluene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	6	25	
2-Hexanone	0.248	0.0500	mg/kg wet	0.2500		99	70-130	9	25	
4-Chlorotoluene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	7	25	
4-Isopropyltoluene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	9	25	
4-Methyl-2-Pentanone	0.257	0.0500	mg/kg wet	0.2500		103	70-130	3	25	
Acetone	0.242	0.0500	mg/kg wet	0.2500		97	70-130	24	25	

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Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21I0685

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DI12111 - 5035										
Benzene	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	5	25	
Bromobenzene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	7	25	
Bromochloromethane	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	3	25	
Bromodichloromethane	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	3	25	
Bromoform	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	1	25	
Bromomethane	0.0504	0.0100	mg/kg wet	0.05000		101	70-130	2	25	
Carbon Disulfide	0.0632	0.0050	mg/kg wet	0.05000		126	70-130	5	25	
Carbon Tetrachloride	0.0603	0.0050	mg/kg wet	0.05000		121	70-130	5	25	
Chlorobenzene	0.0528	0.0050	mg/kg wet	0.05000		106	70-130	4	25	
Chloroethane	0.0612	0.0100	mg/kg wet	0.05000		122	70-130	7	25	
Chloroform	0.0558	0.0050	mg/kg wet	0.05000		112	70-130	3	25	
Chloromethane	0.0593	0.0100	mg/kg wet	0.05000		119	70-130	7	25	
cis-1,2-Dichloroethene	0.0565	0.0050	mg/kg wet	0.05000		113	70-130	4	25	
cis-1,3-Dichloropropene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130	4	25	
Dibromochloromethane	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	3	25	
Dibromomethane	0.0558	0.0050	mg/kg wet	0.05000		112	70-130	1	25	
Dichlorodifluoromethane	0.0524	0.0100	mg/kg wet	0.05000		105	70-130	5	25	
Diethyl Ether	0.0629	0.0050	mg/kg wet	0.05000		126	70-130	3	25	
Di-isopropyl ether	0.0563	0.0050	mg/kg wet	0.05000		113	70-130	3	25	
Ethyl tertiary-butyl ether	0.0554	0.0050	mg/kg wet	0.05000		111	70-130	4	25	
Ethylbenzene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130	6	25	
Hexachlorobutadiene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	8	25	
Isopropylbenzene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	7	25	
Methyl tert-Butyl Ether	0.0592	0.0050	mg/kg wet	0.05000		118	70-130	3	25	
Methylene Chloride	0.0513	0.0250	mg/kg wet	0.05000		103	70-130	4	25	
Naphthalene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	5	25	
n-Butylbenzene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130	8	25	
n-Propylbenzene	0.0550	0.0050	mg/kg wet	0.05000		110	70-130	8	25	
sec-Butylbenzene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	8	25	
Styrene	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	6	25	
tert-Butylbenzene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	8	25	
Tertiary-amyl methyl ether	0.0558	0.0050	mg/kg wet	0.05000		112	70-130	4	25	
Tetrachloroethene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	2	25	
Tetrahydrofuran	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	4	25	
Toluene	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	5	25	
trans-1,2-Dichloroethene	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	7	25	
trans-1,3-Dichloropropene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	3	25	
Trichloroethene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	5	25	
Trichlorofluoromethane	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	5	25	
Vinyl Acetate	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	4	25	
Vinyl Chloride	0.0631	0.0100	mg/kg wet	0.05000		126	70-130	6	25	
Xylene O	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	5	25	
Xylene P,M	0.102	0.0100	mg/kg wet	0.1000		102	70-130	5	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0502*		mg/kg wet	*0.05000*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0505*		mg/kg wet	*0.05000*		*101*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DI12111 - 5035										
Surrogate: Dibromofluoromethane	*0.0519*		mg/kg wet	*0.05000*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.0502*		mg/kg wet	*0.05000*		*100*	*70-130*			
5035/8260B Volatile Organic Compounds / Methanol										
Batch DI12121 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,1-Trichloroethane	ND	0.200	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,2-Trichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethene	ND	0.200	mg/kg wet							
1,1-Dichloropropene	ND	0.200	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,3-Trichloropropane	ND	0.200	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.200	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	1.00	mg/kg wet							
1,2-Dibromoethane	ND	0.200	mg/kg wet							
1,2-Dichlorobenzene	ND	0.200	mg/kg wet							
1,2-Dichloroethane	ND	0.200	mg/kg wet							
1,2-Dichloropropane	ND	0.200	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.200	mg/kg wet							
1,3-Dichlorobenzene	ND	0.200	mg/kg wet							
1,3-Dichloropropane	ND	0.200	mg/kg wet							
1,4-Dichlorobenzene	ND	0.200	mg/kg wet							
1,4-Dioxane - Screen	ND	40.0	mg/kg wet							
1-Chlorohexane	ND	0.200	mg/kg wet							
2,2-Dichloropropane	ND	0.200	mg/kg wet							
2-Butanone	ND	1.00	mg/kg wet							
2-Chlorotoluene	ND	0.200	mg/kg wet							
2-Hexanone	ND	1.00	mg/kg wet							
4-Chlorotoluene	ND	0.200	mg/kg wet							
4-Isopropyltoluene	ND	0.200	mg/kg wet							
4-Methyl-2-Pentanone	ND	1.00	mg/kg wet							
Acetone	ND	1.00	mg/kg wet							
Benzene	ND	0.200	mg/kg wet							
Bromobenzene	ND	0.200	mg/kg wet							
Bromochloromethane	ND	0.200	mg/kg wet							
Bromodichloromethane	ND	0.200	mg/kg wet							
Bromoform	ND	0.200	mg/kg wet							
Bromomethane	ND	0.200	mg/kg wet							
Carbon Disulfide	ND	0.200	mg/kg wet							
Carbon Tetrachloride	ND	0.200	mg/kg wet							

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DI12121 - 5035										
Chlorobenzene	ND	0.200	mg/kg wet							
Chloroethane	ND	0.200	mg/kg wet							
Chloroform	ND	0.200	mg/kg wet							
Chloromethane	ND	0.200	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.200	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Dibromochloromethane	ND	0.200	mg/kg wet							
Dibromomethane	ND	0.200	mg/kg wet							
Dichlorodifluoromethane	ND	0.200	mg/kg wet							
Diethyl Ether	ND	0.200	mg/kg wet							
Di-isopropyl ether	ND	0.200	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.200	mg/kg wet							
Ethylbenzene	ND	0.200	mg/kg wet							
Hexachlorobutadiene	ND	0.200	mg/kg wet							
Isopropylbenzene	ND	0.200	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.200	mg/kg wet							
Methylene Chloride	ND	0.400	mg/kg wet							
Naphthalene	ND	0.200	mg/kg wet							
n-Butylbenzene	ND	0.200	mg/kg wet							
n-Propylbenzene	ND	0.200	mg/kg wet							
sec-Butylbenzene	ND	0.200	mg/kg wet							
Styrene	ND	0.200	mg/kg wet							
tert-Butylbenzene	ND	0.200	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.200	mg/kg wet							
Tetrachloroethene	ND	0.200	mg/kg wet							
Tetrahydrofuran	ND	1.00	mg/kg wet							
Toluene	ND	0.200	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.200	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Trichloroethene	ND	0.200	mg/kg wet							
Trichlorofluoromethane	ND	0.200	mg/kg wet							
Vinyl Acetate	ND	0.200	mg/kg wet							
Vinyl Chloride	ND	0.200	mg/kg wet							
Xylene O	ND	0.200	mg/kg wet							
Xylene P,M	ND	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*5.03*		mg/kg wet	*5.000*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.65*		mg/kg wet	*5.000*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*4.93*		mg/kg wet	*5.000*		*99*	*70-130*			
Surrogate: Toluene-d8	*4.80*		mg/kg wet	*5.000*		*96*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	1.80	0.200	mg/kg wet	2.000		90	70-130			
1,1,1-Trichloroethane	1.89	0.200	mg/kg wet	2.000		94	70-130			
1,1,2,2-Tetrachloroethane	1.93	0.200	mg/kg wet	2.000		96	70-130			
1,1,2-Trichloroethane	1.97	0.200	mg/kg wet	2.000		99	70-130			
1,1-Dichloroethane	2.09	0.200	mg/kg wet	2.000		105	70-130			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DI12121 - 5035										
1,1-Dichloroethene	2.15	0.200	mg/kg wet	2.000		108	70-130			
1,1-Dichloropropene	2.09	0.200	mg/kg wet	2.000		105	70-130			
1,2,3-Trichlorobenzene	1.94	0.200	mg/kg wet	2.000		97	70-130			
1,2,3-Trichloropropane	1.83	0.200	mg/kg wet	2.000		92	70-130			
1,2,4-Trichlorobenzene	1.85	0.200	mg/kg wet	2.000		92	70-130			
1,2,4-Trimethylbenzene	1.88	0.200	mg/kg wet	2.000		94	70-130			
1,2-Dibromo-3-Chloropropane	1.51	1.00	mg/kg wet	2.000		76	70-130			
1,2-Dibromoethane	1.99	0.200	mg/kg wet	2.000		100	70-130			
1,2-Dichlorobenzene	1.93	0.200	mg/kg wet	2.000		96	70-130			
1,2-Dichloroethane	2.03	0.200	mg/kg wet	2.000		102	70-130			
1,2-Dichloropropane	2.15	0.200	mg/kg wet	2.000		107	70-130			
1,3,5-Trimethylbenzene	1.85	0.200	mg/kg wet	2.000		92	70-130			
1,3-Dichlorobenzene	1.94	0.200	mg/kg wet	2.000		97	70-130			
1,3-Dichloropropane	2.09	0.200	mg/kg wet	2.000		104	70-130			
1,4-Dichlorobenzene	1.96	0.200	mg/kg wet	2.000		98	70-130			
1,4-Dioxane - Screen	102	40.0	mg/kg wet	40.00		255	44-241			B+
1-Chlorohexane	1.80	0.200	mg/kg wet	2.000		90	70-130			
2,2-Dichloropropane	2.09	0.200	mg/kg wet	2.000		104	70-130			
2-Butanone	11.0	1.00	mg/kg wet	10.00		110	70-130			
2-Chlorotoluene	1.89	0.200	mg/kg wet	2.000		95	70-130			
2-Hexanone	9.89	1.00	mg/kg wet	10.00		99	70-130			
4-Chlorotoluene	1.92	0.200	mg/kg wet	2.000		96	70-130			
4-Isopropyltoluene	1.87	0.200	mg/kg wet	2.000		94	70-130			
4-Methyl-2-Pentanone	10.9	1.00	mg/kg wet	10.00		109	70-130			
Acetone	11.3	1.00	mg/kg wet	10.00		113	70-130			
Benzene	2.12	0.200	mg/kg wet	2.000		106	70-130			
Bromobenzene	1.91	0.200	mg/kg wet	2.000		95	70-130			
Bromochloromethane	2.05	0.200	mg/kg wet	2.000		103	70-130			
Bromodichloromethane	1.90	0.200	mg/kg wet	2.000		95	70-130			
Bromoform	1.59	0.200	mg/kg wet	2.000		79	70-130			
Bromomethane	2.03	0.200	mg/kg wet	2.000		101	70-130			
Carbon Disulfide	2.18	0.200	mg/kg wet	2.000		109	70-130			
Carbon Tetrachloride	1.92	0.200	mg/kg wet	2.000		96	70-130			
Chlorobenzene	1.96	0.200	mg/kg wet	2.000		98	70-130			
Chloroethane	2.15	0.200	mg/kg wet	2.000		107	70-130			
Chloroform	1.98	0.200	mg/kg wet	2.000		99	70-130			
Chloromethane	2.07	0.200	mg/kg wet	2.000		104	70-130			
cis-1,2-Dichloroethene	1.98	0.200	mg/kg wet	2.000		99	70-130			
cis-1,3-Dichloropropene	2.06	0.200	mg/kg wet	2.000		103	70-130			
Dibromochloromethane	1.84	0.200	mg/kg wet	2.000		92	70-130			
Dibromomethane	2.11	0.200	mg/kg wet	2.000		106	70-130			
Dichlorodifluoromethane	1.58	0.200	mg/kg wet	2.000		79	70-130			
Diethyl Ether	2.29	0.200	mg/kg wet	2.000		114	70-130			
Di-isopropyl ether	2.13	0.200	mg/kg wet	2.000		107	70-130			
Ethyl tertiary-butyl ether	2.06	0.200	mg/kg wet	2.000		103	70-130			

CERTIFICATE OF ANALYSIS

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DI12121 - 5035										
Ethylbenzene	2.00	0.200	mg/kg wet	2.000		100	70-130			
Hexachlorobutadiene	2.08	0.200	mg/kg wet	2.000		104	70-130			
Isopropylbenzene	1.89	0.200	mg/kg wet	2.000		95	70-130			
Methyl tert-Butyl Ether	2.19	0.200	mg/kg wet	2.000		109	70-130			
Methylene Chloride	2.02	0.400	mg/kg wet	2.000		101	70-130			
Naphthalene	1.79	0.200	mg/kg wet	2.000		90	70-130			
n-Butylbenzene	1.97	0.200	mg/kg wet	2.000		98	70-130			
n-Propylbenzene	1.87	0.200	mg/kg wet	2.000		94	70-130			
sec-Butylbenzene	1.87	0.200	mg/kg wet	2.000		93	70-130			
Styrene	1.87	0.200	mg/kg wet	2.000		94	70-130			
tert-Butylbenzene	1.90	0.200	mg/kg wet	2.000		95	70-130			
Tertiary-amyl methyl ether	2.02	0.200	mg/kg wet	2.000		101	70-130			
Tetrachloroethene	1.35	0.200	mg/kg wet	2.000		68	70-130			B-
Tetrahydrofuran	2.48	1.00	mg/kg wet	2.000		124	70-130			
Toluene	2.01	0.200	mg/kg wet	2.000		101	70-130			
trans-1,2-Dichloroethene	2.18	0.200	mg/kg wet	2.000		109	70-130			
trans-1,3-Dichloropropene	1.78	0.200	mg/kg wet	2.000		89	70-130			
Trichloroethene	2.03	0.200	mg/kg wet	2.000		102	70-130			
Trichlorofluoromethane	1.86	0.200	mg/kg wet	2.000		93	70-130			
Vinyl Acetate	2.44	0.200	mg/kg wet	2.000		122	70-130			
Vinyl Chloride	1.90	0.200	mg/kg wet	2.000		95	70-130			
Xylene O	2.01	0.200	mg/kg wet	2.000		100	70-130			
Xylene P,M	4.04	0.400	mg/kg wet	4.000		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	*5.05*		mg/kg wet	*5.000*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.06*		mg/kg wet	*5.000*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*5.13*		mg/kg wet	*5.000*		*103*	*70-130*			
Surrogate: Toluene-d8	*4.94*		mg/kg wet	*5.000*		*99*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	1.81	0.200	mg/kg wet	2.000		90	70-130	0.8	25	
1,1,1-Trichloroethane	1.95	0.200	mg/kg wet	2.000		97	70-130	3	25	
1,1,2,2-Tetrachloroethane	1.97	0.200	mg/kg wet	2.000		98	70-130	2	25	
1,1,2-Trichloroethane	2.01	0.200	mg/kg wet	2.000		100	70-130	2	25	
1,1-Dichloroethane	2.10	0.200	mg/kg wet	2.000		105	70-130	0.4	25	
1,1-Dichloroethene	2.23	0.200	mg/kg wet	2.000		112	70-130	4	25	
1,1-Dichloropropene	2.09	0.200	mg/kg wet	2.000		105	70-130	0.1	25	
1,2,3-Trichlorobenzene	1.81	0.200	mg/kg wet	2.000		90	70-130	7	25	
1,2,3-Trichloropropane	1.85	0.200	mg/kg wet	2.000		93	70-130	1	25	
1,2,4-Trichlorobenzene	1.77	0.200	mg/kg wet	2.000		88	70-130	4	25	
1,2,4-Trimethylbenzene	1.85	0.200	mg/kg wet	2.000		92	70-130	2	25	
1,2-Dibromo-3-Chloropropane	1.58	1.00	mg/kg wet	2.000		79	70-130	4	25	
1,2-Dibromoethane	2.09	0.200	mg/kg wet	2.000		105	70-130	5	25	
1,2-Dichlorobenzene	1.91	0.200	mg/kg wet	2.000		95	70-130	0.9	25	
1,2-Dichloroethane	2.00	0.200	mg/kg wet	2.000		100	70-130	1	25	
1,2-Dichloropropane	2.11	0.200	mg/kg wet	2.000		105	70-130	2	25	
1,3,5-Trimethylbenzene	1.86	0.200	mg/kg wet	2.000		93	70-130	0.6	25	

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DI12121 - 5035										
1,3-Dichlorobenzene	1.94	0.200	mg/kg wet	2.000		97	70-130	0.4	25	
1,3-Dichloropropane	2.16	0.200	mg/kg wet	2.000		108	70-130	3	25	
1,4-Dichlorobenzene	1.95	0.200	mg/kg wet	2.000		98	70-130	0.3	25	
1,4-Dioxane - Screen	76.9	40.0	mg/kg wet	40.00		192	44-241	28	200	
1-Chlorohexane	1.78	0.200	mg/kg wet	2.000		89	70-130	1	25	
2,2-Dichloropropane	2.00	0.200	mg/kg wet	2.000		100	70-130	4	25	
2-Butanone	11.3	1.00	mg/kg wet	10.00		113	70-130	3	25	
2-Chlorotoluene	1.91	0.200	mg/kg wet	2.000		95	70-130	0.6	25	
2-Hexanone	10.8	1.00	mg/kg wet	10.00		108	70-130	8	25	
4-Chlorotoluene	1.90	0.200	mg/kg wet	2.000		95	70-130	1	25	
4-Isopropyltoluene	1.85	0.200	mg/kg wet	2.000		92	70-130	1	25	
4-Methyl-2-Pentanone	10.9	1.00	mg/kg wet	10.00		109	70-130	0.06	25	
Acetone	11.2	1.00	mg/kg wet	10.00		112	70-130	0.9	25	
Benzene	2.09	0.200	mg/kg wet	2.000		104	70-130	1	25	
Bromobenzene	1.90	0.200	mg/kg wet	2.000		95	70-130	0.5	25	
Bromochloromethane	2.12	0.200	mg/kg wet	2.000		106	70-130	3	25	
Bromodichloromethane	1.89	0.200	mg/kg wet	2.000		94	70-130	0.7	25	
Bromoform	1.68	0.200	mg/kg wet	2.000		84	70-130	5	25	
Bromomethane	1.99	0.200	mg/kg wet	2.000		99	70-130	2	25	
Carbon Disulfide	2.23	0.200	mg/kg wet	2.000		111	70-130	2	25	
Carbon Tetrachloride	1.99	0.200	mg/kg wet	2.000		99	70-130	4	25	
Chlorobenzene	2.02	0.200	mg/kg wet	2.000		101	70-130	3	25	
Chloroethane	2.23	0.200	mg/kg wet	2.000		112	70-130	4	25	
Chloroform	1.99	0.200	mg/kg wet	2.000		99	70-130	0.3	25	
Chloromethane	2.05	0.200	mg/kg wet	2.000		103	70-130	0.9	25	
cis-1,2-Dichloroethene	2.01	0.200	mg/kg wet	2.000		101	70-130	2	25	
cis-1,3-Dichloropropene	2.07	0.200	mg/kg wet	2.000		103	70-130	0.4	25	
Dibromochloromethane	1.88	0.200	mg/kg wet	2.000		94	70-130	2	25	
Dibromomethane	2.24	0.200	mg/kg wet	2.000		112	70-130	6	25	
Dichlorodifluoromethane	1.58	0.200	mg/kg wet	2.000		79	70-130	0.1	25	
Diethyl Ether	2.33	0.200	mg/kg wet	2.000		116	70-130	2	25	
Di-isopropyl ether	2.15	0.200	mg/kg wet	2.000		107	70-130	0.7	25	
Ethyl tertiary-butyl ether	2.09	0.200	mg/kg wet	2.000		104	70-130	1	25	
Ethylbenzene	2.03	0.200	mg/kg wet	2.000		102	70-130	1	25	
Hexachlorobutadiene	2.04	0.200	mg/kg wet	2.000		102	70-130	2	25	
Isopropylbenzene	1.94	0.200	mg/kg wet	2.000		97	70-130	2	25	
Methyl tert-Butyl Ether	2.17	0.200	mg/kg wet	2.000		108	70-130	0.9	25	
Methylene Chloride	2.00	0.400	mg/kg wet	2.000		100	70-130	1	25	
Naphthalene	1.76	0.200	mg/kg wet	2.000		88	70-130	2	25	
n-Butylbenzene	1.91	0.200	mg/kg wet	2.000		96	70-130	3	25	
n-Propylbenzene	1.89	0.200	mg/kg wet	2.000		95	70-130	1	25	
sec-Butylbenzene	1.85	0.200	mg/kg wet	2.000		92	70-130	1	25	
Styrene	1.99	0.200	mg/kg wet	2.000		100	70-130	6	25	
tert-Butylbenzene	1.83	0.200	mg/kg wet	2.000		92	70-130	4	25	
Tertiary-amyl methyl ether	2.05	0.200	mg/kg wet	2.000		103	70-130	1	25	

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DI12121 - 5035										
Tetrachloroethene	1.42	0.200	mg/kg wet	2.000		71	70-130	5	25	
Tetrahydrofuran	2.31	1.00	mg/kg wet	2.000		115	70-130	7	25	
Toluene	2.02	0.200	mg/kg wet	2.000		101	70-130	0.4	25	
trans-1,2-Dichloroethene	2.16	0.200	mg/kg wet	2.000		108	70-130	0.8	25	
trans-1,3-Dichloropropene	1.84	0.200	mg/kg wet	2.000		92	70-130	3	25	
Trichloroethene	2.05	0.200	mg/kg wet	2.000		102	70-130	0.9	25	
Trichlorofluoromethane	1.87	0.200	mg/kg wet	2.000		93	70-130	0.5	25	
Vinyl Acetate	2.51	0.200	mg/kg wet	2.000		125	70-130	3	25	
Vinyl Chloride	1.97	0.200	mg/kg wet	2.000		99	70-130	4	25	
Xylene O	2.02	0.200	mg/kg wet	2.000		101	70-130	0.8	25	
Xylene P,M	4.06	0.400	mg/kg wet	4.000		102	70-130	0.5	25	
Surrogate: 1,2-Dichloroethane-d4	*5.01*		mg/kg wet	*5.000*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.02*		mg/kg wet	*5.000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*5.16*		mg/kg wet	*5.000*		*103*	*70-130*			
Surrogate: Toluene-d8	*5.03*		mg/kg wet	*5.000*		*101*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch DI12008 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	10.0	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.25*		mg/kg wet	*5.000*		*85*	*40-140*			
LCS										
Decane (C10)	1.6	0.2	mg/kg wet	2.500		65	40-140			
Docosane (C22)	2.1	0.2	mg/kg wet	2.500		83	40-140			
Dodecane (C12)	1.8	0.2	mg/kg wet	2.500		73	40-140			
Eicosane (C20)	2.1	0.2	mg/kg wet	2.500		83	40-140			
Hexacosane (C26)	2.1	0.2	mg/kg wet	2.500		83	40-140			
Hexadecane (C16)	2.0	0.2	mg/kg wet	2.500		78	40-140			
Nonadecane (C19)	1.9	0.2	mg/kg wet	2.500		77	40-140			
Nonane (C9)	1.5	0.2	mg/kg wet	2.500		59	30-140			
Octacosane (C28)	2.1	0.2	mg/kg wet	2.500		84	40-140			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DI12008 - 3546										
Octadecane (C18)	2.0	0.2	mg/kg wet	2.500		81	40-140			
Tetracosane (C24)	2.1	0.2	mg/kg wet	2.500		83	40-140			
Tetradecane (C14)	1.9	0.2	mg/kg wet	2.500		76	40-140			
Total Petroleum Hydrocarbons	27.9	37.5	mg/kg wet	35.00		80	40-140			
Triacontane (C30)	2.0	0.2	mg/kg wet	2.500		82	40-140			
Surrogate: O-Terphenyl	*4.10*		mg/kg wet	*5.000*		*82*	*40-140*			
LCS Dup										
Decane (C10)	1.7	0.2	mg/kg wet	2.500		68	40-140	3	25	
Docosane (C22)	2.1	0.2	mg/kg wet	2.500		84	40-140	0.5	25	
Dodecane (C12)	1.9	0.2	mg/kg wet	2.500		75	40-140	2	25	
Eicosane (C20)	2.1	0.2	mg/kg wet	2.500		83	40-140	0.5	25	
Hexacosane (C26)	2.1	0.2	mg/kg wet	2.500		83	40-140	0.4	25	
Hexadecane (C16)	2.0	0.2	mg/kg wet	2.500		79	40-140	0.5	25	
Nonadecane (C19)	1.9	0.2	mg/kg wet	2.500		78	40-140	0.5	25	
Nonane (C9)	1.5	0.2	mg/kg wet	2.500		62	30-140	4	25	
Octacosane (C28)	2.1	0.2	mg/kg wet	2.500		84	40-140	0.4	25	
Octadecane (C18)	2.0	0.2	mg/kg wet	2.500		81	40-140	0.5	25	
Tetracosane (C24)	2.1	0.2	mg/kg wet	2.500		83	40-140	0.4	25	
Tetradecane (C14)	1.9	0.2	mg/kg wet	2.500		77	40-140	1	25	
Total Petroleum Hydrocarbons	28.1	37.5	mg/kg wet	35.00		80	40-140	0.9	25	
Triacontane (C30)	2.1	0.2	mg/kg wet	2.500		82	40-140	0.4	25	
Surrogate: O-Terphenyl	*4.05*		mg/kg wet	*5.000*		*81*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DI12124 - 3546										
Blank										
1,1-Biphenyl	ND	0.167	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.167	mg/kg wet							
1,2-Dichlorobenzene	ND	0.167	mg/kg wet							
1,3-Dichlorobenzene	ND	0.167	mg/kg wet							
1,4-Dichlorobenzene	ND	0.167	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.167	mg/kg wet							
2,4-Dichlorophenol	ND	0.167	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	0.667	mg/kg wet							
2,4-Dinitrotoluene	ND	0.167	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.167	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DI12124 - 3546										
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.167	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.167	mg/kg wet							
Acenaphthylene	ND	0.167	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.167	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.167	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.167	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.167	mg/kg wet							
Benzo(k)fluoranthene	ND	0.167	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.167	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.167	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.167	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.167	mg/kg wet							
Fluorene	ND	0.167	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.167	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.167	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DI12124 - 3546										
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.167	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	0.333	mg/kg wet							
Phenanthrene	ND	0.167	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.167	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.52*		mg/kg wet	*3.333*		*76*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.91*		mg/kg wet	*5.000*		*58*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.38*		mg/kg wet	*5.000*		*88*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.58*		mg/kg wet	*3.333*		*78*	*30-130*			
Surrogate: 2-Fluorophenol	*4.68*		mg/kg wet	*5.000*		*94*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.80*		mg/kg wet	*3.333*		*84*	*30-130*			
Surrogate: Phenol-d6	*4.40*		mg/kg wet	*5.000*		*88*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.69*		mg/kg wet	*3.333*		*81*	*30-130*			
LCS										
1,1-Biphenyl	2.48	0.167	mg/kg wet	3.333		74	40-140			
1,2,4-Trichlorobenzene	2.33	0.167	mg/kg wet	3.333		70	40-140			
1,2-Dichlorobenzene	2.45	0.167	mg/kg wet	3.333		74	40-140			
1,3-Dichlorobenzene	2.38	0.167	mg/kg wet	3.333		71	40-140			
1,4-Dichlorobenzene	2.43	0.167	mg/kg wet	3.333		73	40-140			
2,3,4,6-Tetrachlorophenol	2.42	1.67	mg/kg wet	3.333		73	30-130			
2,4,5-Trichlorophenol	2.71	0.333	mg/kg wet	3.333		81	30-130			
2,4,6-Trichlorophenol	2.61	0.167	mg/kg wet	3.333		78	30-130			
2,4-Dichlorophenol	2.74	0.167	mg/kg wet	3.333		82	30-130			
2,4-Dimethylphenol	2.89	0.333	mg/kg wet	3.333		87	30-130			
2,4-Dinitrophenol	2.09	0.667	mg/kg wet	3.333		63	30-130			
2,4-Dinitrotoluene	2.90	0.167	mg/kg wet	3.333		87	40-140			
2,6-Dinitrotoluene	2.70	0.333	mg/kg wet	3.333		81	40-140			
2-Chloronaphthalene	2.38	0.333	mg/kg wet	3.333		71	40-140			
2-Chlorophenol	2.82	0.167	mg/kg wet	3.333		85	30-130			
2-Methylnaphthalene	2.47	0.333	mg/kg wet	3.333		74	40-140			
2-Methylphenol	2.80	0.333	mg/kg wet	3.333		84	30-130			
2-Nitroaniline	2.93	0.333	mg/kg wet	3.333		88	40-140			
2-Nitrophenol	2.66	0.333	mg/kg wet	3.333		80	30-130			
3,3´-Dichlorobenzidine	2.38	0.167	mg/kg wet	3.333		72	40-140			
3+4-Methylphenol	5.84	0.667	mg/kg wet	6.667		88	30-130			
3-Nitroaniline	2.98	0.333	mg/kg wet	3.333		89	40-140			
4,6-Dinitro-2-Methylphenol	2.23	1.67	mg/kg wet	3.333		67	30-130			
4-Bromophenyl-phenylether	2.26	0.333	mg/kg wet	3.333		68	40-140			
4-Chloro-3-Methylphenol	2.97	0.333	mg/kg wet	3.333		89	30-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21I0685

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DI12124 - 3546										
4-Chloroaniline	2.37	0.667	mg/kg wet	3.333		71	40-140			
4-Chloro-phenyl-phenyl ether	2.47	0.333	mg/kg wet	3.333		74	40-140			
4-Nitroaniline	2.77	0.333	mg/kg wet	3.333		83	40-140			
4-Nitrophenol	3.11	1.67	mg/kg wet	3.333		93	30-130			
Acenaphthene	2.51	0.167	mg/kg wet	3.333		75	40-140			
Acenaphthylene	2.59	0.167	mg/kg wet	3.333		78	40-140			
Acetophenone	2.54	0.667	mg/kg wet	3.333		76	40-140			
Aniline	2.02	0.667	mg/kg wet	3.333		61	40-140			
Anthracene	2.61	0.167	mg/kg wet	3.333		78	40-140			
Azobenzene	2.41	0.333	mg/kg wet	3.333		72	40-140			
Benzo(a)anthracene	2.82	0.167	mg/kg wet	3.333		85	40-140			
Benzo(a)pyrene	2.57	0.167	mg/kg wet	3.333		77	40-140			
Benzo(b)fluoranthene	2.68	0.167	mg/kg wet	3.333		80	40-140			
Benzo(g,h,i)perylene	3.06	0.167	mg/kg wet	3.333		92	40-140			
Benzo(k)fluoranthene	2.57	0.167	mg/kg wet	3.333		77	40-140			
Benzoic Acid	1.64	1.67	mg/kg wet	3.333		49	40-140			
Benzyl Alcohol	2.65	0.333	mg/kg wet	3.333		80	40-140			
bis(2-Chloroethoxy)methane	2.50	0.333	mg/kg wet	3.333		75	40-140			
bis(2-Chloroethyl)ether	2.67	0.167	mg/kg wet	3.333		80	40-140			
bis(2-chloroisopropyl)Ether	2.42	0.167	mg/kg wet	3.333		73	40-140			
bis(2-Ethylhexyl)phthalate	2.40	0.167	mg/kg wet	3.333		72	40-140			
Butylbenzylphthalate	2.34	0.333	mg/kg wet	3.333		70	40-140			
Carbazole	2.91	0.333	mg/kg wet	3.333		87	40-140			
Chrysene	2.62	0.167	mg/kg wet	3.333		79	40-140			
Dibenzo(a,h)Anthracene	3.12	0.167	mg/kg wet	3.333		94	40-140			
Dibenzofuran	2.53	0.333	mg/kg wet	3.333		76	40-140			
Diethylphthalate	2.73	0.333	mg/kg wet	3.333		82	40-140			
Dimethylphthalate	2.67	0.333	mg/kg wet	3.333		80	40-140			
Di-n-butylphthalate	2.91	0.333	mg/kg wet	3.333		87	40-140			
Di-n-octylphthalate	2.70	0.333	mg/kg wet	3.333		81	40-140			
Fluoranthene	3.07	0.167	mg/kg wet	3.333		92	40-140			
Fluorene	2.72	0.167	mg/kg wet	3.333		81	40-140			
Hexachlorobenzene	2.28	0.167	mg/kg wet	3.333		68	40-140			
Hexachlorobutadiene	2.14	0.333	mg/kg wet	3.333		64	40-140			
Hexachlorocyclopentadiene	1.74	1.67	mg/kg wet	3.333		52	40-140			
Hexachloroethane	2.42	0.167	mg/kg wet	3.333		73	40-140			
Indeno(1,2,3-cd)Pyrene	2.90	0.167	mg/kg wet	3.333		87	40-140			
Isophorone	2.67	0.333	mg/kg wet	3.333		80	40-140			
Naphthalene	2.45	0.167	mg/kg wet	3.333		74	40-140			
Nitrobenzene	2.60	0.333	mg/kg wet	3.333		78	40-140			
N-Nitrosodimethylamine	2.52	0.333	mg/kg wet	3.333		76	40-140			
N-Nitroso-Di-n-Propylamine	2.70	0.333	mg/kg wet	3.333		81	40-140			
N-nitrosodiphenylamine	2.39	0.333	mg/kg wet	3.333		72	40-140			
Pentachlorophenol	1.97	0.333	mg/kg wet	3.333		59	30-130			
Phenanthrene	2.54	0.167	mg/kg wet	3.333		76	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21I0685

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DI12124 - 3546										
Phenol	2.97	0.333	mg/kg wet	3.333		89	30-130			
Pyrene	2.23	0.167	mg/kg wet	3.333		67	40-140			
Pyridine	2.84	1.67	mg/kg wet	3.333		85	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.63*		mg/kg wet	*3.333*		*79*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.94*		mg/kg wet	*5.000*		*79*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.76*		mg/kg wet	*5.000*		*95*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.63*		mg/kg wet	*3.333*		*79*	*30-130*			
Surrogate: 2-Fluorophenol	*5.04*		mg/kg wet	*5.000*		*101*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.93*		mg/kg wet	*3.333*		*88*	*30-130*			
Surrogate: Phenol-d6	*4.91*		mg/kg wet	*5.000*		*98*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.31*		mg/kg wet	*3.333*		*69*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.10	0.167	mg/kg wet	3.333		63	40-140	17	30	
1,2,4-Trichlorobenzene	1.99	0.167	mg/kg wet	3.333		60	40-140	16	30	
1,2-Dichlorobenzene	2.15	0.167	mg/kg wet	3.333		64	40-140	13	30	
1,3-Dichlorobenzene	2.09	0.167	mg/kg wet	3.333		63	40-140	13	30	
1,4-Dichlorobenzene	2.11	0.167	mg/kg wet	3.333		63	40-140	14	30	
2,3,4,6-Tetrachlorophenol	2.18	1.67	mg/kg wet	3.333		65	30-130	11	30	
2,4,5-Trichlorophenol	2.38	0.333	mg/kg wet	3.333		72	30-130	13	30	
2,4,6-Trichlorophenol	2.22	0.167	mg/kg wet	3.333		67	30-130	16	30	
2,4-Dichlorophenol	2.44	0.167	mg/kg wet	3.333		73	30-130	12	30	
2,4-Dimethylphenol	2.53	0.333	mg/kg wet	3.333		76	30-130	13	30	
2,4-Dinitrophenol	2.23	0.667	mg/kg wet	3.333		67	30-130	7	30	
2,4-Dinitrotoluene	2.77	0.167	mg/kg wet	3.333		83	40-140	5	30	
2,6-Dinitrotoluene	2.43	0.333	mg/kg wet	3.333		73	40-140	10	30	
2-Chloronaphthalene	2.03	0.333	mg/kg wet	3.333		61	40-140	16	30	
2-Chlorophenol	2.54	0.167	mg/kg wet	3.333		76	30-130	11	30	
2-Methylnaphthalene	2.20	0.333	mg/kg wet	3.333		66	40-140	11	30	
2-Methylphenol	2.61	0.333	mg/kg wet	3.333		78	30-130	7	30	
2-Nitroaniline	2.60	0.333	mg/kg wet	3.333		78	40-140	12	30	
2-Nitrophenol	2.32	0.333	mg/kg wet	3.333		69	30-130	14	30	
3,3´-Dichlorobenzidine	2.33	0.167	mg/kg wet	3.333		70	40-140	2	30	
3+4-Methylphenol	5.48	0.667	mg/kg wet	6.667		82	30-130	6	30	
3-Nitroaniline	2.82	0.333	mg/kg wet	3.333		84	40-140	6	30	
4,6-Dinitro-2-Methylphenol	2.27	1.67	mg/kg wet	3.333		68	30-130	2	30	
4-Bromophenyl-phenylether	2.00	0.333	mg/kg wet	3.333		60	40-140	12	30	
4-Chloro-3-Methylphenol	2.71	0.333	mg/kg wet	3.333		81	30-130	9	30	
4-Chloroaniline	2.18	0.667	mg/kg wet	3.333		65	40-140	8	30	
4-Chloro-phenyl-phenyl ether	2.17	0.333	mg/kg wet	3.333		65	40-140	13	30	
4-Nitroaniline	2.65	0.333	mg/kg wet	3.333		80	40-140	4	30	
4-Nitrophenol	2.99	1.67	mg/kg wet	3.333		90	30-130	4	30	
Acenaphthene	2.17	0.167	mg/kg wet	3.333		65	40-140	15	30	
Acenaphthylene	2.21	0.167	mg/kg wet	3.333		66	40-140	16	30	
Acetophenone	2.34	0.667	mg/kg wet	3.333		70	40-140	8	30	
Aniline	1.90	0.667	mg/kg wet	3.333		57	40-140	6	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21I0685

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DI12124 - 3546										
Anthracene	2.41	0.167	mg/kg wet	3.333		72	40-140	8	30	
Azobenzene	2.13	0.333	mg/kg wet	3.333		64	40-140	12	30	
Benzo(a)anthracene	2.73	0.167	mg/kg wet	3.333		82	40-140	3	30	
Benzo(a)pyrene	2.50	0.167	mg/kg wet	3.333		75	40-140	3	30	
Benzo(b)fluoranthene	2.66	0.167	mg/kg wet	3.333		80	40-140	0.9	30	
Benzo(g,h,i)perylene	2.85	0.167	mg/kg wet	3.333		86	40-140	7	30	
Benzo(k)fluoranthene	2.56	0.167	mg/kg wet	3.333		77	40-140	0.4	30	
Benzoic Acid	1.78	1.67	mg/kg wet	3.333		53	40-140	8	30	
Benzyl Alcohol	2.46	0.333	mg/kg wet	3.333		74	40-140	7	30	
bis(2-Chloroethoxy)methane	2.21	0.333	mg/kg wet	3.333		66	40-140	12	30	
bis(2-Chloroethyl)ether	2.35	0.167	mg/kg wet	3.333		70	40-140	13	30	
bis(2-chloroisopropyl)Ether	2.20	0.167	mg/kg wet	3.333		66	40-140	10	30	
bis(2-Ethylhexyl)phthalate	2.40	0.167	mg/kg wet	3.333		72	40-140	0.01	30	
Butylbenzylphthalate	2.39	0.333	mg/kg wet	3.333		72	40-140	2	30	
Carbazole	2.72	0.333	mg/kg wet	3.333		82	40-140	7	30	
Chrysene	2.51	0.167	mg/kg wet	3.333		75	40-140	4	30	
Dibenzo(a,h)Anthracene	2.92	0.167	mg/kg wet	3.333		88	40-140	7	30	
Dibenzofuran	2.21	0.333	mg/kg wet	3.333		66	40-140	14	30	
Diethylphthalate	2.54	0.333	mg/kg wet	3.333		76	40-140	7	30	
Dimethylphthalate	2.41	0.333	mg/kg wet	3.333		72	40-140	10	30	
Di-n-butylphthalate	2.80	0.333	mg/kg wet	3.333		84	40-140	4	30	
Di-n-octylphthalate	2.80	0.333	mg/kg wet	3.333		84	40-140	3	30	
Fluoranthene	2.85	0.167	mg/kg wet	3.333		86	40-140	7	30	
Fluorene	2.39	0.167	mg/kg wet	3.333		72	40-140	13	30	
Hexachlorobenzene	2.08	0.167	mg/kg wet	3.333		62	40-140	9	30	
Hexachlorobutadiene	1.76	0.333	mg/kg wet	3.333		53	40-140	19	30	
Hexachlorocyclopentadiene	1.46	1.67	mg/kg wet	3.333		44	40-140	17	30	
Hexachloroethane	2.14	0.167	mg/kg wet	3.333		64	40-140	13	30	
Indeno(1,2,3-cd)Pyrene	2.73	0.167	mg/kg wet	3.333		82	40-140	6	30	
Isophorone	2.37	0.333	mg/kg wet	3.333		71	40-140	12	30	
Naphthalene	2.13	0.167	mg/kg wet	3.333		64	40-140	14	30	
Nitrobenzene	2.27	0.333	mg/kg wet	3.333		68	40-140	13	30	
N-Nitrosodimethylamine	2.18	0.333	mg/kg wet	3.333		65	40-140	14	30	
N-Nitroso-Di-n-Propylamine	2.54	0.333	mg/kg wet	3.333		76	40-140	6	30	
N-nitrosodiphenylamine	2.14	0.333	mg/kg wet	3.333		64	40-140	11	30	
Pentachlorophenol	1.90	0.333	mg/kg wet	3.333		57	30-130	4	30	
Phenanthrene	2.32	0.167	mg/kg wet	3.333		70	40-140	9	30	
Phenol	2.77	0.333	mg/kg wet	3.333		83	30-130	7	30	
Pyrene	2.31	0.167	mg/kg wet	3.333		69	40-140	3	30	
Pyridine	2.49	1.67	mg/kg wet	3.333		75	40-140	13	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.30*		mg/kg wet	*3.333*		*69*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.46*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.26*		mg/kg wet	*5.000*		*85*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.21*		mg/kg wet	*3.333*		*66*	*30-130*			
Surrogate: 2-Fluorophenol	*4.42*		mg/kg wet	*5.000*		*88*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.51*		mg/kg wet	*3.333*		*75*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21I0685

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DI12124 - 3546										
Surrogate: Phenol-d6	*4.51*		mg/kg wet	*5.000*		*90*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.37*		mg/kg wet	*3.333*		*71*	*30-130*			
Classical Chemistry										
Batch DI12231 - TCN Prep										
Blank										
Total Cyanide	ND	1.00	mg/kg wet							
LCS										
Total Cyanide	4.90	1.00	mg/kg wet	5.015		98	90-110			
Reference										
Total Cyanide	43.6	4.91	mg/kg wet	48.80		89	22.9-122.9			
Reference										
Total Cyanide	44.0	4.90	mg/kg wet	48.80		90	22.9-122.9			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21I0685

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
J	Reported between MDL and MRL
ICV+	Initial Calibration Verification recovery is above upper control limit (ICV+).
EL	Elevated Method Reporting Limits due to sample matrix (EL).
E	Reported above the quantitation limit; Estimated value (E).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B+	Blank Spike recovery is above upper control limit (B+).
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probably Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 21I0685

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

Sterling Analytical, Inc.
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West Springfield, MA 01089
Phone (413) 214-6541 Fax (413) 214-6842
email-madhu@sterlinganalytical.com

Visit our website: www.sterlinganalytical.com

Mass Certification - MA-00071
Conn Certification - PH-0520

Report Date September 28, 2021

Customer	Contact	Laboratory Supervisor	eMail
ESS Laboratory	S. Morrell	Madhu Shah	customerservice@sterlinganalytical.com

Sample Description
Analysis of Soil Samples

Samples Analyzed

Enclosed are Report No(s): 74771, 74772

*Results reported on dry basis.

Sulfur Total Blank = <0.05ppm

LCS Lo Check 0.100 = 0.098ppm

ICV 1.00 = 1.010ppm

Thank you for your business

madhu shah

Madhu Shah, Laboratory Supervisor

9/28/2021

Date

ALL the information contained in this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method.
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Sample	Description	Source	Taken/Time	Received
74771	21i0685-01	ESS Laboratory	9/20/21	9/22/21

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	480	mg/kg	100.00	SW 846 6010	09/24/21	dfp

Sample	Description	Source	Taken/Time	Received
74772	21i0685-02	ESS Laboratory	9/20/21	9/22/21

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	526	mg/kg	100.00	SW 846 6010	09/24/21	dfp

ESS Laboratory — Sterling — CHAIN OF CUSTODY

ESS Lab # 21i0685

Division of Thielsch Engineering, Inc.

185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

Turn Time **DUE DATE: 9/28/21**

Regulatory State: MA **RI** CT NH NJ NY ME Other_____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other_____

Reporting Limits - _____

Electonic Deliverables Excel Access PDF

Co. Name: ESS LABORATORY	Project #:	Project Name: 21i0685	
Contact Person: Shawn Morrell / Heather Masse	Address:		
City:	State:	Zip:	PO #: B03046
Tel.	Email: Smorrell@thielsch.com; Hmasse@thielsch.com		

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	Analysis: Total Sulfur 6010 mg/Kg
	9/20/21	1303	C	S	21i0685-01					X
	9/20/21	1313	C	S	21i0685-02					X

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present ___Y___ Yes _____ No

Seals Intact ____ Yes _____ No NA:___

Cooler Temperature: _____

Internal Use Only

[ ] Pickup

[ ] Technician___

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Sampled by :

Comments: **QC required MB and LCS**

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
9/21/21 5:23	9/22/21 8:31	9/22/21 11:45	9-22-21 11:45
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: ESS Courier

ESS Project ID: 21I0685
Date Received: 9/20/2021
Project Due Date: 9/27/2021
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: -3.3 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No
    ESS Sample ID: 12
    Analysis: Solfur
    TAT: 5
12. Were VOAs received? Yes / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? Yes / No / NA

13. Are the samples properly preserved? Yes / No
    a. If metals preserved upon receipt: Date: 9/20/21 Time: 1540 By: TD
    b. Low Level VOA vials frozen: Date: Time: By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / No
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	209279	Yes	N/A	Yes	8 oz jar	NP	
1	209280	Yes	N/A	Yes	8 oz jar	NP	
1	209283	Yes	N/A	Yes	4 oz. Jar	NP	
1	209285	Yes	N/A	Yes	VOA Vial	DI Water	
1	209286	Yes	N/A	Yes	VOA Vial	DI Water	
1	209289	Yes	N/A	Yes	VOA Vial	MeOH	
2	209281	Yes	N/A	Yes	8 oz jar	NP	
2	209282	Yes	N/A	Yes	8 oz jar	NP	
2	209284	Yes	N/A	Yes	4 oz. Jar	NP	
2	209287	Yes	N/A	Yes	VOA Vial	DI Water	
2	209288	Yes	N/A	Yes	VOA Vial	DI Water	
2	209290	Yes	N/A	Yes	VOA Vial	MeOH	

2nd Review
Were all containers scanned into storage/lab? Initials TD
Are barcode labels on correct containers? Yes / No
Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 210685

Date Received: 9/20/2021

Are all Hex Chrome stickers attached? Yes / No / NA

Are all QC stickers attached? Yes / No / NA

Are VOA stickers attached if bubbles noted? Yes / No / NA

Completed By: KZ Date & Time: 9-20-21 15:24

Reviewed By: Taylor Davis Date & Time: 9/20/21 1540

21I0685 TD 9/20/21

CHAIN OF CUSTODY

ESS LABORATORY
185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

ESS Lab # ~~21I0678~~ Page of

Turn Time ☐ > 5 ☑ 5 ☐ 4 ☐ 3 ☐ 2 ☐ 1 ☐ Same Day

Regulatory State: Criteria:

Is this project for any of the following?:
☐ CT RCP ☐ MA MCP ☐ RGP ☑ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF)
☐ Limit Checker ☐ State Forms ☐ EQuIS
☐ Excel ☐ Hard Copy ☐ Enviro Data
☐ CLP-Like Package ☐ Other (Specify) →

CLIENT INFORMATION

Client: GZA
Address: 188 Valley street
Suite 500, Providence, RI
Phone: 401-500-1483
Email Distribution List: Sara.haupt@gza.com

PROJECT INFORMATION

Project Name: FPLP STRAP COMPLIANCE
Project Location: 642 Allens Avenue
Project Number: 33554.04 Task 6.0
Project Manager: Sara Haupt
Bill to: Sara Haupt
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	TPH	VOCs	SVOCs	RCRA 8 Metals	Total Sulfur	Total Cyanide	Total Number of Bottles
1	9/20/21	1303	COMP	SOIL	SP092021-1	X	X	X	X	X	X	6
2	9/20/21	1313	COMP	SOIL	SP092021-2	X	X	X	X	X	X	6

Container Type:	AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial					AG	V	AG	AG	AG	AG	
Container Volume:	1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*					10/9	7	10/9	10/9	10/9	10/9	
Preservation Code:	1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*					1	10/6	1	1	1	1	

Sampled by :

Chain needs to be filled out neatly and completely for on time delivery.

Laboratory Use Only
Cooler Temperature (°C): -3.3 ice

Comments: * Please specify "Other" preservative and containers types in this space
1) National Grid rates apply.
2) TCLP > 20 x Rule

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration
☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
[signature]	09/20/21	1501	[signature] 9.20.21 1501				
Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)

CERTIFICATE OF ANALYSIS

Sara Haupt
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: 642 Allens Ave (03.0033554.64)
ESS Laboratory Work Order Number: 22C0962

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 4:40 pm, Apr 01, 2022

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Sterling Analytical Lab - West Springfield, MA	Sulfur

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22C0962

SAMPLE RECEIPT

The following samples were received on March 25, 2022 for the analyses specified on the enclosed Chain of Custody Record.

Low Level VOA vials were frozen by ESS Laboratory on March 25, 2022 at 15:23.

Lab Number	Sample Name	Matrix	Analysis
22C0962-01	SP032522-A	Soil	6010, 6010C, 7471B, 8100M, 8260B Low, 8270D, 9014
22C0962-02	SP032522-B	Soil	6010, 6010C, 7471B, 8100M, 8260B, 8260B Low, 8270D, 9014

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22C0962

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

22C0962-02 **Reported above the quantitation limit; Estimated value (E).**
Naphthalene

5035/8260B Volatile Organic Compounds / Methanol

22C0962-02 **Present in Method Blank (B).**
Tetrachloroethene

D2C0567-CCV1 **Continuing Calibration %Diff/Drift is below control limit (CD-).**
Tetrachloroethene (36% @ 30%)

DC22919-BS1 **Blank Spike recovery is below lower control limit (B-).**
Tetrachloroethene (63% @ 70-130%)

DC22919-BSD1 **Blank Spike recovery is below lower control limit (B-).**
Tetrachloroethene (64% @ 70-130%)

8270D Semi-Volatile Organic Compounds

D2C0523-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (109% @ 80-120%), 4,6-Dinitro-2-Methylphenol (93% @ 80-120%), Benzoic Acid (105% @ 80-120%), Pentachlorophenol (101% @ 80-120%)

D2C0523-CCV1 **Initial Calibration Verification recovery is below lower control limit (ICV-).**
Aniline

D2C0523-TUN1 **Pentachlorophenol tailing factor > 2.**

Total Metals

22C0962-01 **Elevated Method Reporting Limits due to sample matrix (EL).**
Silver

22C0962-02 **Elevated Method Reporting Limits due to sample matrix (EL).**
Silver

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22C0962

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-A
Date Sampled: 03/25/22 00:00
Percent Solids: 92

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.16)		6010C		1	KJK	03/29/22 19:15	2.52	100	DC22844
Barium	**83.7** (2.16)		6010C		1	KJK	03/29/22 19:15	2.52	100	DC22844
Cadmium	ND (0.43)		6010C		1	KJK	03/29/22 19:15	2.52	100	DC22844
Chromium	**10.4** (0.86)		6010C		1	KJK	03/29/22 19:15	2.52	100	DC22844
Lead	**28.3** (4.32)		6010C		1	KJK	03/29/22 19:15	2.52	100	DC22844
Mercury	**0.080** (0.021)		7471B		1	YIV	03/30/22 12:40	1.01	40	DC22835
Selenium	ND (4.32)		6010C		1	KJK	03/29/22 19:15	2.52	100	DC22844
Silver	**EL** ND (1.30)		6010C		3	KJK	03/31/22 17:02	2.52	100	DC22844

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-A
Date Sampled: 03/25/22 00:00
Percent Solids: 92
Initial Volume: 8.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1,1,1-Trichloroethane	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1,1,2,2-Tetrachloroethane	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1,1,2-Trichloroethane	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1,1-Dichloroethane	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1,1-Dichloroethene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1,1-Dichloropropene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1,2,3-Trichlorobenzene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1,2,3-Trichloropropane	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1,2,4-Trichlorobenzene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1,2,4-Trimethylbenzene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1,2-Dibromo-3-Chloropropane	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1,2-Dibromoethane	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1,2-Dichlorobenzene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1,2-Dichloroethane	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1,2-Dichloropropane	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1,3,5-Trimethylbenzene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1,3-Dichlorobenzene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1,3-Dichloropropane	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1,4-Dichlorobenzene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1,4-Dioxane	ND (0.0672)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
1-Chlorohexane	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
2,2-Dichloropropane	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
2-Butanone	ND (0.0336)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
2-Chlorotoluene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
2-Hexanone	ND (0.0336)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
4-Chlorotoluene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
4-Isopropyltoluene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
4-Methyl-2-Pentanone	ND (0.0336)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Acetone	ND (0.0336)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Benzene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Bromobenzene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-A
Date Sampled: 03/25/22 00:00
Percent Solids: 92
Initial Volume: 8.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Bromodichloromethane	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Bromoform	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Bromomethane	ND (0.0067)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Carbon Disulfide	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Carbon Tetrachloride	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Chlorobenzene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Chloroethane	ND (0.0067)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Chloroform	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Chloromethane	ND (0.0067)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
cis-1,2-Dichloroethene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
cis-1,3-Dichloropropene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Dibromochloromethane	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Dibromomethane	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Dichlorodifluoromethane	ND (0.0067)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Diethyl Ether	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Di-isopropyl ether	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Ethyl tertiary-butyl ether	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Ethylbenzene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Hexachlorobutadiene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Isopropylbenzene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Methyl tert-Butyl Ether	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Methylene Chloride	ND (0.0168)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Naphthalene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
n-Butylbenzene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
n-Propylbenzene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
sec-Butylbenzene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Styrene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
tert-Butylbenzene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Tertiary-amyl methyl ether	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Tetrachloroethene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Tetrahydrofuran	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-A
Date Sampled: 03/25/22 00:00
Percent Solids: 92
Initial Volume: 8.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
trans-1,2-Dichloroethene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
trans-1,3-Dichloropropene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Trichloroethene	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Trichlorofluoromethane	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Vinyl Acetate	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Vinyl Chloride	ND (0.0067)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Xylene O	ND (0.0034)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Xylene P,M	ND (0.0067)		8260B Low		1	03/28/22 13:36	D2C0535	DC22831
Xylenes (Total)	ND (0.00672)		8260B Low		1	03/28/22 13:36		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*109 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*97 %*		*70-130*
Surrogate: Dibromofluoromethane	*100 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-A
Date Sampled: 03/25/22 00:00
Percent Solids: 92
Initial Volume: 20.5
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 3/25/22 17:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**117** (39.9)		8100M		1	03/25/22 22:37	D2C0503	DC22453

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*81 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-A
Date Sampled: 03/25/22 00:00
Percent Solids: 92
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 3/25/22 18:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
1,2,4-Trichlorobenzene	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
1,2-Dichlorobenzene	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
1,3-Dichlorobenzene	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
1,4-Dichlorobenzene	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
2,3,4,6-Tetrachlorophenol	ND (1.83)		8270D		1	03/25/22 22:18	D2C0523	DC22544
2,4,5-Trichlorophenol	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
2,4,6-Trichlorophenol	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
2,4-Dichlorophenol	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
2,4-Dimethylphenol	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
2,4-Dinitrophenol	ND (1.83)		8270D		1	03/25/22 22:18	D2C0523	DC22544
2,4-Dinitrotoluene	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
2,6-Dinitrotoluene	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
2-Chloronaphthalene	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
2-Chlorophenol	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
2-Methylnaphthalene	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
2-Methylphenol	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
2-Nitroaniline	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
2-Nitrophenol	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
3,3´-Dichlorobenzidine	ND (0.732)		8270D		1	03/25/22 22:18	D2C0523	DC22544
3+4-Methylphenol	ND (0.732)		8270D		1	03/25/22 22:18	D2C0523	DC22544
3-Nitroaniline	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
4,6-Dinitro-2-Methylphenol	ND (1.83)		8270D		1	03/25/22 22:18	D2C0523	DC22544
4-Bromophenyl-phenylether	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
4-Chloro-3-Methylphenol	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
4-Chloroaniline	ND (0.732)		8270D		1	03/25/22 22:18	D2C0523	DC22544
4-Chloro-phenyl-phenyl ether	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
4-Nitroaniline	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
4-Nitrophenol	ND (1.83)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Acenaphthene	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Acenaphthylene	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Acetophenone	ND (0.732)		8270D		1	03/25/22 22:18	D2C0523	DC22544

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-A
Date Sampled: 03/25/22 00:00
Percent Solids: 92
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 3/25/22 18:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.732)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Anthracene	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Azobenzene	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Benzo(a)anthracene	**0.382** (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Benzo(a)pyrene	**0.377** (0.183)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Benzo(b)fluoranthene	**0.381** (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Benzo(g,h,i)perylene	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Benzo(k)fluoranthene	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Benzoic Acid	ND (1.83)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Benzyl Alcohol	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
bis(2-Chloroethoxy)methane	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
bis(2-Chloroethyl)ether	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
bis(2-chloroisopropyl)Ether	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
bis(2-Ethylhexyl)phthalate	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Butylbenzylphthalate	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Carbazole	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Chrysene	**0.414** (0.183)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Dibenzo(a,h)Anthracene	ND (0.183)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Dibenzofuran	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Diethylphthalate	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Dimethylphthalate	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Di-n-butylphthalate	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Di-n-octylphthalate	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Fluoranthene	**0.630** (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Fluorene	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Hexachlorobenzene	ND (0.183)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Hexachlorobutadiene	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Hexachlorocyclopentadiene	ND (1.83)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Hexachloroethane	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Indeno(1,2,3-cd)Pyrene	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Isophorone	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Naphthalene	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-A
Date Sampled: 03/25/22 00:00
Percent Solids: 92
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 3/25/22 18:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
N-Nitrosodimethylamine	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
N-Nitroso-Di-n-Propylamine	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
N-nitrosodiphenylamine	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Pentachlorophenol	ND (1.83)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Phenanthrene	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Phenol	ND (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Pyrene	**0.803** (0.365)		8270D		1	03/25/22 22:18	D2C0523	DC22544
Pyridine	ND (1.83)		8270D		1	03/25/22 22:18	D2C0523	DC22544

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*72 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*88 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*80 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*83 %*		*30-130*
Surrogate: 2-Fluorophenol	*87 %*		*30-130*
Surrogate: Nitrobenzene-d5	*80 %*		*30-130*
Surrogate: Phenol-d6	*84 %*		*30-130*
Surrogate: p-Terphenyl-d14	*98 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-A
Date Sampled: 03/25/22 00:00
Percent Solids: 92

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**14.1** (1.09)		9014		1	JLK	03/28/22 17:40	mg/kg dry	DC22849

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-A
Date Sampled: 03/25/22 00:00
Percent Solids: 92
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-01
Sample Matrix: Soil

Analyst: SUB
Prepared: 4/1/22 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**368** (100)		6010		1	SUB	04/01/22 0:00	mg/kg	DD20128

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-B
Date Sampled: 03/25/22 00:00
Percent Solids: 94

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.24)		6010C		1	KJK	03/29/22 15:17	2.37	100	DC22863
Barium	**83.0** (2.24)		6010C		1	KJK	03/29/22 15:17	2.37	100	DC22863
Cadmium	ND (0.45)		6010C		1	KJK	03/29/22 15:17	2.37	100	DC22863
Chromium	**9.52** (0.90)		6010C		1	KJK	03/29/22 15:17	2.37	100	DC22863
Lead	**42.4** (4.48)		6010C		1	KJK	03/29/22 15:17	2.37	100	DC22863
Mercury	**0.048** (0.035)		7471B		1	YIV	03/30/22 13:49	0.6	40	DC22860
Selenium	ND (4.48)		6010C		1	KJK	03/29/22 15:17	2.37	100	DC22863
Silver	**EL** ND (1.34)		6010C		3	KJK	03/31/22 1:01	2.37	100	DC22863

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-B
Date Sampled: 03/25/22 00:00
Percent Solids: 94
Initial Volume: 9.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1,1,1-Trichloroethane	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1,1,2,2-Tetrachloroethane	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1,1,2-Trichloroethane	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1,1-Dichloroethane	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1,1-Dichloroethene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1,1-Dichloropropene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1,2,3-Trichlorobenzene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1,2,3-Trichloropropane	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1,2,4-Trichlorobenzene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1,2,4-Trimethylbenzene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1,2-Dibromo-3-Chloropropane	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1,2-Dibromoethane	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1,2-Dichlorobenzene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1,2-Dichloroethane	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1,2-Dichloropropane	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1,3,5-Trimethylbenzene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1,3-Dichlorobenzene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1,3-Dichloropropane	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1,4-Dichlorobenzene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1,4-Dioxane	ND (0.0559)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
1-Chlorohexane	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
2,2-Dichloropropane	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
2-Butanone	ND (0.0280)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
2-Chlorotoluene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
2-Hexanone	ND (0.0280)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
4-Chlorotoluene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
4-Isopropyltoluene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
4-Methyl-2-Pentanone	ND (0.0280)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Acetone	ND (0.0280)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Benzene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Bromobenzene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-B
Date Sampled: 03/25/22 00:00
Percent Solids: 94
Initial Volume: 9.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Bromodichloromethane	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Bromoform	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Bromomethane	ND (0.0056)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Carbon Disulfide	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Carbon Tetrachloride	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Chlorobenzene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Chloroethane	ND (0.0056)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Chloroform	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Chloromethane	ND (0.0056)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
cis-1,2-Dichloroethene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
cis-1,3-Dichloropropene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Dibromochloromethane	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Dibromomethane	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Dichlorodifluoromethane	ND (0.0056)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Diethyl Ether	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Di-isopropyl ether	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Ethyl tertiary-butyl ether	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Ethylbenzene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Hexachlorobutadiene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Isopropylbenzene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Methyl tert-Butyl Ether	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Methylene Chloride	ND (0.0140)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Naphthalene	**E 0.115** (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
n-Butylbenzene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
n-Propylbenzene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
sec-Butylbenzene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Styrene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
tert-Butylbenzene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Tertiary-amyl methyl ether	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Tetrachloroethene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Tetrahydrofuran	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-B
Date Sampled: 03/25/22 00:00
Percent Solids: 94
Initial Volume: 9.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MEK

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
trans-1,2-Dichloroethene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
trans-1,3-Dichloropropene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Trichloroethene	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Trichlorofluoromethane	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Vinyl Acetate	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Vinyl Chloride	ND (0.0056)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Xylene O	ND (0.0028)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Xylene P,M	ND (0.0056)		8260B Low		1	03/28/22 14:01	D2C0535	DC22831
Xylenes (Total)	ND (0.00559)		8260B Low		1	03/28/22 14:01		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*108 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*96 %*		*70-130*
Surrogate: Dibromofluoromethane	*96 %*		*70-130*
Surrogate: Toluene-d8	*99 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-B
Date Sampled: 03/25/22 00:00
Percent Solids: 94
Initial Volume: 27.7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
1,1,1-Trichloroethane	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
1,1,2,2-Tetrachloroethane	ND (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
1,1,2-Trichloroethane	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
1,1-Dichloroethane	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
1,1-Dichloroethene	ND (0.128)	0.0383	8260B		1	03/29/22 15:50	D2C0567	DC22919
1,1-Dichloropropene	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
1,2,3-Trichlorobenzene	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
1,2,3-Trichloropropane	ND (0.128)	0.0383	8260B		1	03/29/22 15:50	D2C0567	DC22919
1,2,4-Trichlorobenzene	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
1,2,4-Trimethylbenzene	**J 0.0230** (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
1,2-Dibromo-3-Chloropropane	ND (0.638)	0.128	8260B		1	03/29/22 15:50	D2C0567	DC22919
1,2-Dibromoethane	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
1,2-Dichlorobenzene	ND (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
1,2-Dichloroethane	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
1,2-Dichloropropane	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
1,3,5-Trimethylbenzene	ND (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
1,3-Dichlorobenzene	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
1,3-Dichloropropane	ND (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
1,4-Dichlorobenzene	ND (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
1,4-Dioxane - Screen	ND (25.5)	24.2	8260B		1	03/29/22 15:50	D2C0567	DC22919
1-Chlorohexane	ND (0.128)	0.0510	8260B		1	03/29/22 15:50	D2C0567	DC22919
2,2-Dichloropropane	ND (0.128)	0.0383	8260B		1	03/29/22 15:50	D2C0567	DC22919
2-Butanone	ND (0.638)	0.434	8260B		1	03/29/22 15:50	D2C0567	DC22919
2-Chlorotoluene	ND (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
2-Hexanone	ND (0.638)	0.191	8260B		1	03/29/22 15:50	D2C0567	DC22919
4-Chlorotoluene	ND (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
4-Isopropyltoluene	ND (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
4-Methyl-2-Pentanone	ND (0.638)	0.204	8260B		1	03/29/22 15:50	D2C0567	DC22919
Acetone	ND (0.638)	0.344	8260B		1	03/29/22 15:50	D2C0567	DC22919
Benzene	**J 0.0612** (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
Bromobenzene	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-B
Date Sampled: 03/25/22 00:00
Percent Solids: 94
Initial Volume: 27.7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.128)	0.0383	8260B		1	03/29/22 15:50	D2C0567	DC22919
Bromodichloromethane	ND (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
Bromoform	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
Bromomethane	ND (0.128)	0.0510	8260B		1	03/29/22 15:50	D2C0567	DC22919
Carbon Disulfide	ND (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
Carbon Tetrachloride	ND (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
Chlorobenzene	ND (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
Chloroethane	ND (0.128)	0.0510	8260B		1	03/29/22 15:50	D2C0567	DC22919
Chloroform	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
Chloromethane	ND (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
cis-1,2-Dichloroethene	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
cis-1,3-Dichloropropene	ND (0.128)	0.0383	8260B		1	03/29/22 15:50	D2C0567	DC22919
Dibromochloromethane	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
Dibromomethane	ND (0.128)	0.0383	8260B		1	03/29/22 15:50	D2C0567	DC22919
Dichlorodifluoromethane	ND (0.128)	0.0383	8260B		1	03/29/22 15:50	D2C0567	DC22919
Diethyl Ether	ND (0.128)	0.0383	8260B		1	03/29/22 15:50	D2C0567	DC22919
Di-isopropyl ether	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
Ethyl tertiary-butyl ether	ND (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
Ethylbenzene	**J 0.0179** (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
Hexachlorobutadiene	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
Isopropylbenzene	ND (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
Methyl tert-Butyl Ether	ND (0.128)	0.0383	8260B		1	03/29/22 15:50	D2C0567	DC22919
Methylene Chloride	ND (0.255)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
Naphthalene	**0.759** (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
n-Butylbenzene	**J 0.0140** (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
n-Propylbenzene	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
sec-Butylbenzene	ND (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
Styrene	ND (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
tert-Butylbenzene	ND (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
Tertiary-amyl methyl ether	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
Tetrachloroethene	**B, J 0.0306** (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
Tetrahydrofuran	ND (0.638)	0.204	8260B		1	03/29/22 15:50	D2C0567	DC22919

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-B
Date Sampled: 03/25/22 00:00
Percent Solids: 94
Initial Volume: 27.7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	**J 0.0574** (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
trans-1,2-Dichloroethene	ND (0.128)	0.0383	8260B		1	03/29/22 15:50	D2C0567	DC22919
trans-1,3-Dichloropropene	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
Trichloroethene	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
Trichlorofluoromethane	ND (0.128)	0.0510	8260B		1	03/29/22 15:50	D2C0567	DC22919
Vinyl Acetate	ND (0.128)	0.0638	8260B		1	03/29/22 15:50	D2C0567	DC22919
Vinyl Chloride	ND (0.128)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
Xylene O	ND (0.128)	0.0128	8260B		1	03/29/22 15:50	D2C0567	DC22919
Xylene P,M	**J 0.0459** (0.255)	0.0255	8260B		1	03/29/22 15:50	D2C0567	DC22919
Xylenes (Total)	ND (0.255)		8260B		1	03/29/22 15:50		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*97 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*97 %*		*70-130*
Surrogate: Dibromofluoromethane	*103 %*		*70-130*
Surrogate: Toluene-d8	*100 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-B
Date Sampled: 03/25/22 00:00
Percent Solids: 94
Initial Volume: 19.7
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 3/25/22 19:00

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**182** (40.4)		8100M		1	03/28/22 18:59	D2C0600	DC22545

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*65 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-B
Date Sampled: 03/25/22 00:00
Percent Solids: 94
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 3/25/22 18:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
1,2,4-Trichlorobenzene	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
1,2-Dichlorobenzene	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
1,3-Dichlorobenzene	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
1,4-Dichlorobenzene	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
2,3,4,6-Tetrachlorophenol	ND (1.76)		8270D		1	03/25/22 22:50	D2C0523	DC22544
2,4,5-Trichlorophenol	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
2,4,6-Trichlorophenol	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
2,4-Dichlorophenol	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
2,4-Dimethylphenol	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
2,4-Dinitrophenol	ND (1.76)		8270D		1	03/25/22 22:50	D2C0523	DC22544
2,4-Dinitrotoluene	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
2,6-Dinitrotoluene	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
2-Chloronaphthalene	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
2-Chlorophenol	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
2-Methylnaphthalene	**0.721** (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
2-Methylphenol	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
2-Nitroaniline	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
2-Nitrophenol	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
3,3´-Dichlorobenzidine	ND (0.704)		8270D		1	03/25/22 22:50	D2C0523	DC22544
3+4-Methylphenol	ND (0.704)		8270D		1	03/25/22 22:50	D2C0523	DC22544
3-Nitroaniline	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
4,6-Dinitro-2-Methylphenol	ND (1.76)		8270D		1	03/25/22 22:50	D2C0523	DC22544
4-Bromophenyl-phenylether	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
4-Chloro-3-Methylphenol	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
4-Chloroaniline	ND (0.704)		8270D		1	03/25/22 22:50	D2C0523	DC22544
4-Chloro-phenyl-phenyl ether	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
4-Nitroaniline	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
4-Nitrophenol	ND (1.76)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Acenaphthene	**0.491** (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Acenaphthylene	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Acetophenone	ND (0.704)		8270D		1	03/25/22 22:50	D2C0523	DC22544

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-B
Date Sampled: 03/25/22 00:00
Percent Solids: 94
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 3/25/22 18:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.704)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Anthracene	**0.464** (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Azobenzene	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Benzo(a)anthracene	**0.757** (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Benzo(a)pyrene	**0.635** (0.176)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Benzo(b)fluoranthene	**0.586** (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Benzo(g,h,i)perylene	**0.352** (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Benzo(k)fluoranthene	**0.544** (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Benzoic Acid	ND (1.76)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Benzyl Alcohol	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
bis(2-Chloroethoxy)methane	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
bis(2-Chloroethyl)ether	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
bis(2-chloroisopropyl)Ether	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
bis(2-Ethylhexyl)phthalate	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Butylbenzylphthalate	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Carbazole	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Chrysene	**0.711** (0.176)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Dibenzo(a,h)Anthracene	ND (0.176)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Dibenzofuran	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Diethylphthalate	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Dimethylphthalate	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Di-n-butylphthalate	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Di-n-octylphthalate	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Fluoranthene	**1.30** (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Fluorene	**0.388** (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Hexachlorobenzene	ND (0.176)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Hexachlorobutadiene	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Hexachlorocyclopentadiene	ND (1.76)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Hexachloroethane	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Indeno(1,2,3-cd)Pyrene	**0.474** (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Isophorone	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Naphthalene	**0.717** (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-B
Date Sampled: 03/25/22 00:00
Percent Solids: 94
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 3/25/22 18:30

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
N-Nitrosodimethylamine	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
N-Nitroso-Di-n-Propylamine	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
N-nitrosodiphenylamine	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Pentachlorophenol	ND (1.76)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Phenanthrene	**1.38** (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Phenol	ND (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Pyrene	**1.57** (0.351)		8270D		1	03/25/22 22:50	D2C0523	DC22544
Pyridine	ND (1.76)		8270D		1	03/25/22 22:50	D2C0523	DC22544

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*78 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*89 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*86 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*86 %*		*30-130*
Surrogate: 2-Fluorophenol	*90 %*		*30-130*
Surrogate: Nitrobenzene-d5	*85 %*		*30-130*
Surrogate: Phenol-d6	*91 %*		*30-130*
Surrogate: p-Terphenyl-d14	*117 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-B
Date Sampled: 03/25/22 00:00
Percent Solids: 94

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-02
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	**5.12** (0.96)		9014		1	JLK	03/28/22 17:40	mg/kg dry	DC22849

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave
Client Sample ID: SP032522-B
Date Sampled: 03/25/22 00:00
Percent Solids: 94
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 22C0962
ESS Laboratory Sample ID: 22C0962-02
Sample Matrix: Soil

Analyst: SUB
Prepared: 4/1/22 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**655** (100)		6010		1	SUB	04/01/22 0:00	mg/kg	DD20128

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22C0962

Quality Control Data

Total Metals

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch DC22835 - 3050B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	8.50	3.05	mg/kg wet	11.00		77	64-118			
LCS Dup										
Mercury	9.17	3.09	mg/kg wet	11.00		83	64-118	8	20	
Batch DC22844 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
Barium	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
LCS										
Arsenic	83.5	7.58	mg/kg wet	93.10		90	80-120			
Barium	631	7.58	mg/kg wet	690.0		91	80-120			
Cadmium	275	1.52	mg/kg wet	301.0		91	80-120			
Chromium	291	3.03	mg/kg wet	326.0		89	80-120			
Lead	187	15.2	mg/kg wet	192.0		97	80-120			
Selenium	233	15.2	mg/kg wet	270.0		86	80-120			
Silver	57.9	1.52	mg/kg wet	63.70		91	80-120			
LCS Dup										
Arsenic	87.7	7.69	mg/kg wet	93.10		94	80-120	5	20	
Barium	621	7.69	mg/kg wet	690.0		90	80-120	2	20	
Cadmium	280	1.54	mg/kg wet	301.0		93	80-120	2	20	
Chromium	294	3.08	mg/kg wet	326.0		90	80-120	1	20	
Lead	190	15.4	mg/kg wet	192.0		99	80-120	2	20	
Selenium	242	15.4	mg/kg wet	270.0		90	80-120	4	20	
Silver	58.9	1.54	mg/kg wet	63.70		93	80-120	2	20	
Reference										
Lead	4530	169	mg/kg wet	4490		101	83-113			
Batch DC22860 - 3050B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	9.56	3.05	mg/kg wet	11.00		87	80-120			
LCS Dup										
Mercury	9.83	3.25	mg/kg wet	11.00		89	80-120	3	20	
Batch DC22863 - 3050B										
Blank										

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22C0962

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DC22863 - 3050B										
Arsenic	ND	2.50	mg/kg wet							
Barium	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Selenium	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
LCS										
Arsenic	88.9	9.26	mg/kg wet	93.10		96	80-120			
Barium	678	9.26	mg/kg wet	690.0		98	80-120			
Cadmium	291	1.85	mg/kg wet	301.0		97	80-120			
Chromium	304	3.70	mg/kg wet	326.0		93	80-120			
Lead	195	18.5	mg/kg wet	192.0		101	80-120			
Selenium	246	18.5	mg/kg wet	270.0		91	80-120			
Silver	61.6	1.85	mg/kg wet	63.70		97	80-120			
LCS Dup										
Arsenic	84.5	9.09	mg/kg wet	93.10		91	80-120	5	20	
Barium	650	9.09	mg/kg wet	690.0		94	80-120	4	20	
Cadmium	275	1.82	mg/kg wet	301.0		91	80-120	6	20	
Chromium	290	3.64	mg/kg wet	326.0		89	80-120	5	20	
Lead	185	18.2	mg/kg wet	192.0		96	80-120	5	20	
Selenium	235	18.2	mg/kg wet	270.0		87	80-120	4	20	
Silver	58.3	1.82	mg/kg wet	63.70		92	80-120	5	20	
5035/8260B Volatile Organic Compounds / Low Level										
Batch DC22831 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22C0962

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DC22831 - 5035										
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22C0962

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DC22831 - 5035										
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0511*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0486*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0481*		mg/kg wet	*0.05000*		*96*	*70-130*			
Surrogate: Toluene-d8	*0.0488*		mg/kg wet	*0.05000*		*98*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	0.0433	0.0050	mg/kg wet	0.05000		87	70-130			
1,1,1-Trichloroethane	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
1,1,2,2-Tetrachloroethane	0.0488	0.0050	mg/kg wet	0.05000		98	70-130			
1,1,2-Trichloroethane	0.0479	0.0050	mg/kg wet	0.05000		96	70-130			
1,1-Dichloroethane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
1,1-Dichloroethene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
1,1-Dichloropropene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
1,2,3-Trichlorobenzene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
1,2,3-Trichloropropane	0.0426	0.0050	mg/kg wet	0.05000		85	70-130			
1,2,4-Trichlorobenzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
1,2,4-Trimethylbenzene	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
1,2-Dibromo-3-Chloropropane	0.0412	0.0050	mg/kg wet	0.05000		82	70-130			
1,2-Dibromoethane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
1,2-Dichlorobenzene	0.0471	0.0050	mg/kg wet	0.05000		94	70-130			
1,2-Dichloroethane	0.0471	0.0050	mg/kg wet	0.05000		94	70-130			
1,2-Dichloropropane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
1,3,5-Trimethylbenzene	0.0479	0.0050	mg/kg wet	0.05000		96	70-130			
1,3-Dichlorobenzene	0.0471	0.0050	mg/kg wet	0.05000		94	70-130			
1,3-Dichloropropane	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
1,4-Dichlorobenzene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
1,4-Dioxane	0.833	0.100	mg/kg wet	1.000		83	70-130			
1-Chlorohexane	0.0469	0.0050	mg/kg wet	0.05000		94	70-130			
2,2-Dichloropropane	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
2-Butanone	0.248	0.0500	mg/kg wet	0.2500		99	70-130			
2-Chlorotoluene	0.0471	0.0050	mg/kg wet	0.05000		94	70-130			
2-Hexanone	0.230	0.0500	mg/kg wet	0.2500		92	70-130			
4-Chlorotoluene	0.0469	0.0050	mg/kg wet	0.05000		94	70-130			
4-Isopropyltoluene	0.0465	0.0050	mg/kg wet	0.05000		93	70-130			
4-Methyl-2-Pentanone	0.232	0.0500	mg/kg wet	0.2500		93	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22C0962

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DC22831 - 5035										
Acetone	0.235	0.0500	mg/kg wet	0.2500		94	70-130			
Benzene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
Bromobenzene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
Bromochloromethane	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
Bromodichloromethane	0.0457	0.0050	mg/kg wet	0.05000		91	70-130			
Bromoform	0.0484	0.0050	mg/kg wet	0.05000		97	70-130			
Bromomethane	0.0458	0.0100	mg/kg wet	0.05000		92	70-130			
Carbon Disulfide	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
Carbon Tetrachloride	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
Chlorobenzene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
Chloroethane	0.0516	0.0100	mg/kg wet	0.05000		103	70-130			
Chloroform	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
Chloromethane	0.0470	0.0100	mg/kg wet	0.05000		94	70-130			
cis-1,2-Dichloroethene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
cis-1,3-Dichloropropene	0.0455	0.0050	mg/kg wet	0.05000		91	70-130			
Dibromochloromethane	0.0440	0.0050	mg/kg wet	0.05000		88	70-130			
Dibromomethane	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
Dichlorodifluoromethane	0.0420	0.0100	mg/kg wet	0.05000		84	70-130			
Diethyl Ether	0.0553	0.0050	mg/kg wet	0.05000		111	70-130			
Di-isopropyl ether	0.0486	0.0050	mg/kg wet	0.05000		97	70-130			
Ethyl tertiary-butyl ether	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
Ethylbenzene	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
Hexachlorobutadiene	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
Isopropylbenzene	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
Methyl tert-Butyl Ether	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
Methylene Chloride	0.0459	0.0250	mg/kg wet	0.05000		92	70-130			
Naphthalene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130			
n-Butylbenzene	0.0479	0.0050	mg/kg wet	0.05000		96	70-130			
n-Propylbenzene	0.0475	0.0050	mg/kg wet	0.05000		95	70-130			
sec-Butylbenzene	0.0457	0.0050	mg/kg wet	0.05000		91	70-130			
Styrene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
tert-Butylbenzene	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			
Tertiary-amyl methyl ether	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
Tetrachloroethene	0.0472	0.0050	mg/kg wet	0.05000		94	70-130			
Tetrahydrofuran	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
Toluene	0.0483	0.0050	mg/kg wet	0.05000		97	70-130			
trans-1,2-Dichloroethene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
trans-1,3-Dichloropropene	0.0423	0.0050	mg/kg wet	0.05000		85	70-130			
Trichloroethene	0.0463	0.0050	mg/kg wet	0.05000		93	70-130			
Trichlorofluoromethane	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
Vinyl Acetate	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
Vinyl Chloride	0.0563	0.0100	mg/kg wet	0.05000		113	70-130			
Xylene O	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
Xylene P,M	0.0992	0.0100	mg/kg wet	0.1000		99	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0508*		mg/kg wet	*0.05000*		*102*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22C0962

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DC22831 - 5035										
Surrogate: 4-Bromofluorobenzene	*0.0512*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0511*		mg/kg wet	*0.05000*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.0512*		mg/kg wet	*0.05000*		*102*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0429	0.0050	mg/kg wet	0.05000		86	70-130	0.9	25	
1,1,1-Trichloroethane	0.0478	0.0050	mg/kg wet	0.05000		96	70-130	0.8	25	
1,1,2,2-Tetrachloroethane	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	3	25	
1,1,2-Trichloroethane	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	0.9	25	
1,1-Dichloroethane	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	0.04	25	
1,1-Dichloroethene	0.0508	0.0050	mg/kg wet	0.05000		102	70-130	0.5	25	
1,1-Dichloropropene	0.0467	0.0050	mg/kg wet	0.05000		93	70-130	1	25	
1,2,3-Trichlorobenzene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130	2	25	
1,2,3-Trichloropropane	0.0445	0.0050	mg/kg wet	0.05000		89	70-130	4	25	
1,2,4-Trichlorobenzene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	1	25	
1,2,4-Trimethylbenzene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	2	25	
1,2-Dibromo-3-Chloropropane	0.0437	0.0050	mg/kg wet	0.05000		87	70-130	6	25	
1,2-Dibromoethane	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	1	25	
1,2-Dichlorobenzene	0.0477	0.0050	mg/kg wet	0.05000		95	70-130	1	25	
1,2-Dichloroethane	0.0465	0.0050	mg/kg wet	0.05000		93	70-130	1	25	
1,2-Dichloropropane	0.0465	0.0050	mg/kg wet	0.05000		93	70-130	2	25	
1,3,5-Trimethylbenzene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130	3	25	
1,3-Dichlorobenzene	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	3	25	
1,3-Dichloropropane	0.0480	0.0050	mg/kg wet	0.05000		96	70-130	3	25	
1,4-Dichlorobenzene	0.0478	0.0050	mg/kg wet	0.05000		96	70-130	2	25	
1,4-Dioxane	0.852	0.100	mg/kg wet	1.000		85	70-130	2	20	
1-Chlorohexane	0.0467	0.0050	mg/kg wet	0.05000		93	70-130	0.6	25	
2,2-Dichloropropane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130	0.3	25	
2-Butanone	0.254	0.0500	mg/kg wet	0.2500		102	70-130	2	25	
2-Chlorotoluene	0.0479	0.0050	mg/kg wet	0.05000		96	70-130	2	25	
2-Hexanone	0.236	0.0500	mg/kg wet	0.2500		94	70-130	3	25	
4-Chlorotoluene	0.0477	0.0050	mg/kg wet	0.05000		95	70-130	2	25	
4-Isopropyltoluene	0.0480	0.0050	mg/kg wet	0.05000		96	70-130	3	25	
4-Methyl-2-Pentanone	0.238	0.0500	mg/kg wet	0.2500		95	70-130	2	25	
Acetone	0.258	0.0500	mg/kg wet	0.2500		103	70-130	9	25	
Benzene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130	0.1	25	
Bromobenzene	0.0478	0.0050	mg/kg wet	0.05000		96	70-130	1	25	
Bromochloromethane	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	2	25	
Bromodichloromethane	0.0452	0.0050	mg/kg wet	0.05000		90	70-130	1	25	
Bromoform	0.0486	0.0050	mg/kg wet	0.05000		97	70-130	0.4	25	
Bromomethane	0.0430	0.0100	mg/kg wet	0.05000		86	70-130	6	25	
Carbon Disulfide	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	1	25	
Carbon Tetrachloride	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	0.9	25	
Chlorobenzene	0.0464	0.0050	mg/kg wet	0.05000		93	70-130	2	25	
Chloroethane	0.0521	0.0100	mg/kg wet	0.05000		104	70-130	1	25	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22C0962

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch DC22831 - 5035										
Chloroform	0.0478	0.0050	mg/kg wet	0.05000		96	70-130	0.5	25	
Chloromethane	0.0470	0.0100	mg/kg wet	0.05000		94	70-130	0.09	25	
cis-1,2-Dichloroethene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130	0.7	25	
cis-1,3-Dichloropropene	0.0451	0.0050	mg/kg wet	0.05000		90	70-130	1	25	
Dibromochloromethane	0.0433	0.0050	mg/kg wet	0.05000		87	70-130	2	25	
Dibromomethane	0.0494	0.0050	mg/kg wet	0.05000		99	70-130	0.4	25	
Dichlorodifluoromethane	0.0423	0.0100	mg/kg wet	0.05000		85	70-130	0.5	25	
Diethyl Ether	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	1	25	
Di-isopropyl ether	0.0479	0.0050	mg/kg wet	0.05000		96	70-130	1	25	
Ethyl tertiary-butyl ether	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	1	25	
Ethylbenzene	0.0472	0.0050	mg/kg wet	0.05000		94	70-130	2	25	
Hexachlorobutadiene	0.0477	0.0050	mg/kg wet	0.05000		95	70-130	4	25	
Isopropylbenzene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	3	25	
Methyl tert-Butyl Ether	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	1	25	
Methylene Chloride	0.0454	0.0250	mg/kg wet	0.05000		91	70-130	1	25	
Naphthalene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	3	25	
n-Butylbenzene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130	3	25	
n-Propylbenzene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130	3	25	
sec-Butylbenzene	0.0471	0.0050	mg/kg wet	0.05000		94	70-130	3	25	
Styrene	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	2	25	
tert-Butylbenzene	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	2	25	
Tertiary-amyl methyl ether	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	0.7	25	
Tetrachloroethene	0.0467	0.0050	mg/kg wet	0.05000		93	70-130	1	25	
Tetrahydrofuran	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	3	25	
Toluene	0.0477	0.0050	mg/kg wet	0.05000		95	70-130	1	25	
trans-1,2-Dichloroethene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	1	25	
trans-1,3-Dichloropropene	0.0420	0.0050	mg/kg wet	0.05000		84	70-130	0.9	25	
Trichloroethene	0.0466	0.0050	mg/kg wet	0.05000		93	70-130	0.8	25	
Trichlorofluoromethane	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	0.9	25	
Vinyl Acetate	0.0467	0.0050	mg/kg wet	0.05000		93	70-130	2	25	
Vinyl Chloride	0.0566	0.0100	mg/kg wet	0.05000		113	70-130	0.4	25	
Xylene O	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	2	25	
Xylene P,M	0.0973	0.0100	mg/kg wet	0.1000		97	70-130	2	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0485*		mg/kg wet	*0.05000*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0492*		mg/kg wet	*0.05000*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*0.0496*		mg/kg wet	*0.05000*		*99*	*70-130*			
Surrogate: Toluene-d8	*0.0497*		mg/kg wet	*0.05000*		*99*	*70-130*			
5035/8260B Volatile Organic Compounds / Methanol										
Batch DC22919 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,1-Trichloroethane	ND	0.200	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,2-Trichloroethane	ND	0.200	mg/kg wet							

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DC22919 - 5035										
1,1-Dichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethene	ND	0.200	mg/kg wet							
1,1-Dichloropropene	ND	0.200	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,3-Trichloropropane	ND	0.200	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.200	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	1.00	mg/kg wet							
1,2-Dibromoethane	ND	0.200	mg/kg wet							
1,2-Dichlorobenzene	ND	0.200	mg/kg wet							
1,2-Dichloroethane	ND	0.200	mg/kg wet							
1,2-Dichloropropane	ND	0.200	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.200	mg/kg wet							
1,3-Dichlorobenzene	ND	0.200	mg/kg wet							
1,3-Dichloropropane	ND	0.200	mg/kg wet							
1,4-Dichlorobenzene	ND	0.200	mg/kg wet							
1,4-Dioxane - Screen	ND	40.0	mg/kg wet							
1-Chlorohexane	ND	0.200	mg/kg wet							
2,2-Dichloropropane	ND	0.200	mg/kg wet							
2-Butanone	ND	1.00	mg/kg wet							
2-Chlorotoluene	ND	0.200	mg/kg wet							
2-Hexanone	ND	1.00	mg/kg wet							
4-Chlorotoluene	ND	0.200	mg/kg wet							
4-Isopropyltoluene	ND	0.200	mg/kg wet							
4-Methyl-2-Pentanone	ND	1.00	mg/kg wet							
Acetone	ND	1.00	mg/kg wet							
Benzene	ND	0.200	mg/kg wet							
Bromobenzene	ND	0.200	mg/kg wet							
Bromochloromethane	ND	0.200	mg/kg wet							
Bromodichloromethane	ND	0.200	mg/kg wet							
Bromoform	ND	0.200	mg/kg wet							
Bromomethane	ND	0.200	mg/kg wet							
Carbon Disulfide	ND	0.200	mg/kg wet							
Carbon Tetrachloride	ND	0.200	mg/kg wet							
Chlorobenzene	ND	0.200	mg/kg wet							
Chloroethane	ND	0.200	mg/kg wet							
Chloroform	ND	0.200	mg/kg wet							
Chloromethane	ND	0.200	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.200	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Dibromochloromethane	ND	0.200	mg/kg wet							
Dibromomethane	ND	0.200	mg/kg wet							
Dichlorodifluoromethane	ND	0.200	mg/kg wet							
Diethyl Ether	ND	0.200	mg/kg wet							
Di-isopropyl ether	ND	0.200	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DC22919 - 5035										
Ethyl tertiary-butyl ether	ND	0.200	mg/kg wet							
Ethylbenzene	ND	0.200	mg/kg wet							
Hexachlorobutadiene	ND	0.200	mg/kg wet							
Isopropylbenzene	ND	0.200	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.200	mg/kg wet							
Methylene Chloride	ND	0.400	mg/kg wet							
Naphthalene	ND	0.200	mg/kg wet							
n-Butylbenzene	ND	0.200	mg/kg wet							
n-Propylbenzene	ND	0.200	mg/kg wet							
sec-Butylbenzene	ND	0.200	mg/kg wet							
Styrene	ND	0.200	mg/kg wet							
tert-Butylbenzene	ND	0.200	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.200	mg/kg wet							
Tetrachloroethene	0.0480	0.200	mg/kg wet							J
Tetrahydrofuran	ND	1.00	mg/kg wet							
Toluene	ND	0.200	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.200	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Trichloroethene	ND	0.200	mg/kg wet							
Trichlorofluoromethane	ND	0.200	mg/kg wet							
Vinyl Acetate	ND	0.200	mg/kg wet							
Vinyl Chloride	ND	0.200	mg/kg wet							
Xylene O	ND	0.200	mg/kg wet							
Xylene P,M	ND	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*4.42*		mg/kg wet	*5.000*		*88*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.68*		mg/kg wet	*5.000*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*4.87*		mg/kg wet	*5.000*		*97*	*70-130*			
Surrogate: Toluene-d8	*4.83*		mg/kg wet	*5.000*		*97*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	1.67	0.200	mg/kg wet	2.000		83	70-130			
1,1,1-Trichloroethane	1.68	0.200	mg/kg wet	2.000		84	70-130			
1,1,2,2-Tetrachloroethane	1.77	0.200	mg/kg wet	2.000		89	70-130			
1,1,2-Trichloroethane	1.68	0.200	mg/kg wet	2.000		84	70-130			
1,1-Dichloroethane	1.79	0.200	mg/kg wet	2.000		89	70-130			
1,1-Dichloroethene	2.09	0.200	mg/kg wet	2.000		105	70-130			
1,1-Dichloropropene	1.86	0.200	mg/kg wet	2.000		93	70-130			
1,2,3-Trichlorobenzene	1.86	0.200	mg/kg wet	2.000		93	70-130			
1,2,3-Trichloropropane	1.64	0.200	mg/kg wet	2.000		82	70-130			
1,2,4-Trichlorobenzene	1.78	0.200	mg/kg wet	2.000		89	70-130			
1,2,4-Trimethylbenzene	1.71	0.200	mg/kg wet	2.000		86	70-130			
1,2-Dibromo-3-Chloropropane	1.58	1.00	mg/kg wet	2.000		79	70-130			
1,2-Dibromoethane	1.71	0.200	mg/kg wet	2.000		86	70-130			
1,2-Dichlorobenzene	1.72	0.200	mg/kg wet	2.000		86	70-130			
1,2-Dichloroethane	1.66	0.200	mg/kg wet	2.000		83	70-130			
1,2-Dichloropropane	1.75	0.200	mg/kg wet	2.000		88	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 22C0962

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DC22919 - 5035										
1,3,5-Trimethylbenzene	1.65	0.200	mg/kg wet	2.000		82	70-130			
1,3-Dichlorobenzene	1.79	0.200	mg/kg wet	2.000		89	70-130			
1,3-Dichloropropane	1.75	0.200	mg/kg wet	2.000		88	70-130			
1,4-Dichlorobenzene	1.76	0.200	mg/kg wet	2.000		88	70-130			
1,4-Dioxane - Screen	45.3	40.0	mg/kg wet	40.00		113	44-241			
1-Chlorohexane	1.54	0.200	mg/kg wet	2.000		77	70-130			
2,2-Dichloropropane	1.75	0.200	mg/kg wet	2.000		87	70-130			
2-Butanone	9.28	1.00	mg/kg wet	10.00		93	70-130			
2-Chlorotoluene	1.65	0.200	mg/kg wet	2.000		83	70-130			
2-Hexanone	8.58	1.00	mg/kg wet	10.00		86	70-130			
4-Chlorotoluene	1.64	0.200	mg/kg wet	2.000		82	70-130			
4-Isopropyltoluene	1.69	0.200	mg/kg wet	2.000		84	70-130			
4-Methyl-2-Pentanone	8.80	1.00	mg/kg wet	10.00		88	70-130			
Acetone	9.36	1.00	mg/kg wet	10.00		94	70-130			
Benzene	1.83	0.200	mg/kg wet	2.000		91	70-130			
Bromobenzene	1.82	0.200	mg/kg wet	2.000		91	70-130			
Bromochloromethane	1.95	0.200	mg/kg wet	2.000		98	70-130			
Bromodichloromethane	1.73	0.200	mg/kg wet	2.000		87	70-130			
Bromoform	1.53	0.200	mg/kg wet	2.000		77	70-130			
Bromomethane	1.73	0.200	mg/kg wet	2.000		87	70-130			
Carbon Disulfide	1.98	0.200	mg/kg wet	2.000		99	70-130			
Carbon Tetrachloride	1.70	0.200	mg/kg wet	2.000		85	70-130			
Chlorobenzene	1.78	0.200	mg/kg wet	2.000		89	70-130			
Chloroethane	1.95	0.200	mg/kg wet	2.000		98	70-130			
Chloroform	1.78	0.200	mg/kg wet	2.000		89	70-130			
Chloromethane	1.50	0.200	mg/kg wet	2.000		75	70-130			
cis-1,2-Dichloroethene	1.88	0.200	mg/kg wet	2.000		94	70-130			
cis-1,3-Dichloropropene	1.77	0.200	mg/kg wet	2.000		89	70-130			
Dibromochloromethane	1.67	0.200	mg/kg wet	2.000		84	70-130			
Dibromomethane	1.81	0.200	mg/kg wet	2.000		91	70-130			
Dichlorodifluoromethane	1.59	0.200	mg/kg wet	2.000		79	70-130			
Diethyl Ether	1.90	0.200	mg/kg wet	2.000		95	70-130			
Di-isopropyl ether	1.79	0.200	mg/kg wet	2.000		89	70-130			
Ethyl tertiary-butyl ether	1.72	0.200	mg/kg wet	2.000		86	70-130			
Ethylbenzene	1.64	0.200	mg/kg wet	2.000		82	70-130			
Hexachlorobutadiene	1.82	0.200	mg/kg wet	2.000		91	70-130			
Isopropylbenzene	1.72	0.200	mg/kg wet	2.000		86	70-130			
Methyl tert-Butyl Ether	1.95	0.200	mg/kg wet	2.000		97	70-130			
Methylene Chloride	1.83	0.400	mg/kg wet	2.000		91	70-130			
Naphthalene	1.77	0.200	mg/kg wet	2.000		89	70-130			
n-Butylbenzene	1.68	0.200	mg/kg wet	2.000		84	70-130			
n-Propylbenzene	1.67	0.200	mg/kg wet	2.000		84	70-130			
sec-Butylbenzene	1.63	0.200	mg/kg wet	2.000		82	70-130			
Styrene	1.69	0.200	mg/kg wet	2.000		85	70-130			
tert-Butylbenzene	1.69	0.200	mg/kg wet	2.000		85	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DC22919 - 5035										
Tertiary-amyl methyl ether	1.77	0.200	mg/kg wet	2.000		88	70-130			
Tetrachloroethene	1.26	0.200	mg/kg wet	2.000		63	70-130			B-
Tetrahydrofuran	1.88	1.00	mg/kg wet	2.000		94	70-130			
Toluene	1.78	0.200	mg/kg wet	2.000		89	70-130			
trans-1,2-Dichloroethene	1.81	0.200	mg/kg wet	2.000		90	70-130			
trans-1,3-Dichloropropene	1.55	0.200	mg/kg wet	2.000		78	70-130			
Trichloroethene	1.65	0.200	mg/kg wet	2.000		82	70-130			
Trichlorofluoromethane	1.94	0.200	mg/kg wet	2.000		97	70-130			
Vinyl Acetate	2.10	0.200	mg/kg wet	2.000		105	70-130			
Vinyl Chloride	1.88	0.200	mg/kg wet	2.000		94	70-130			
Xylene O	1.73	0.200	mg/kg wet	2.000		86	70-130			
Xylene P,M	3.41	0.400	mg/kg wet	4.000		85	70-130			
Surrogate: 1,2-Dichloroethane-d4	*4.51*		mg/kg wet	*5.000*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.67*		mg/kg wet	*5.000*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*4.97*		mg/kg wet	*5.000*		*99*	*70-130*			
Surrogate: Toluene-d8	*4.63*		mg/kg wet	*5.000*		*93*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	1.71	0.200	mg/kg wet	2.000		85	70-130	2	25	
1,1,1-Trichloroethane	1.74	0.200	mg/kg wet	2.000		87	70-130	3	25	
1,1,2,2-Tetrachloroethane	1.85	0.200	mg/kg wet	2.000		93	70-130	4	25	
1,1,2-Trichloroethane	1.73	0.200	mg/kg wet	2.000		87	70-130	3	25	
1,1-Dichloroethane	1.84	0.200	mg/kg wet	2.000		92	70-130	3	25	
1,1-Dichloroethene	2.14	0.200	mg/kg wet	2.000		107	70-130	2	25	
1,1-Dichloropropene	1.92	0.200	mg/kg wet	2.000		96	70-130	3	25	
1,2,3-Trichlorobenzene	1.80	0.200	mg/kg wet	2.000		90	70-130	3	25	
1,2,3-Trichloropropane	1.67	0.200	mg/kg wet	2.000		84	70-130	2	25	
1,2,4-Trichlorobenzene	1.71	0.200	mg/kg wet	2.000		85	70-130	4	25	
1,2,4-Trimethylbenzene	1.70	0.200	mg/kg wet	2.000		85	70-130	0.8	25	
1,2-Dibromo-3-Chloropropane	1.48	1.00	mg/kg wet	2.000		74	70-130	6	25	
1,2-Dibromoethane	1.78	0.200	mg/kg wet	2.000		89	70-130	4	25	
1,2-Dichlorobenzene	1.70	0.200	mg/kg wet	2.000		85	70-130	1	25	
1,2-Dichloroethane	1.71	0.200	mg/kg wet	2.000		85	70-130	3	25	
1,2-Dichloropropane	1.75	0.200	mg/kg wet	2.000		88	70-130	0.1	25	
1,3,5-Trimethylbenzene	1.64	0.200	mg/kg wet	2.000		82	70-130	0.1	25	
1,3-Dichlorobenzene	1.79	0.200	mg/kg wet	2.000		90	70-130	0.1	25	
1,3-Dichloropropane	1.79	0.200	mg/kg wet	2.000		89	70-130	2	25	
1,4-Dichlorobenzene	1.74	0.200	mg/kg wet	2.000		87	70-130	0.7	25	
1,4-Dioxane - Screen	48.0	40.0	mg/kg wet	40.00		120	44-241	6	200	
1-Chlorohexane	1.58	0.200	mg/kg wet	2.000		79	70-130	3	25	
2,2-Dichloropropane	1.84	0.200	mg/kg wet	2.000		92	70-130	5	25	
2-Butanone	9.71	1.00	mg/kg wet	10.00		97	70-130	5	25	
2-Chlorotoluene	1.63	0.200	mg/kg wet	2.000		81	70-130	2	25	
2-Hexanone	9.36	1.00	mg/kg wet	10.00		94	70-130	9	25	
4-Chlorotoluene	1.66	0.200	mg/kg wet	2.000		83	70-130	1	25	
4-Isopropyltoluene	1.63	0.200	mg/kg wet	2.000		81	70-130	4	25	

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DC22919 - 5035										
4-Methyl-2-Pentanone	9.61	1.00	mg/kg wet	10.00		96	70-130	9	25	
Acetone	10.1	1.00	mg/kg wet	10.00		101	70-130	7	25	
Benzene	1.88	0.200	mg/kg wet	2.000		94	70-130	3	25	
Bromobenzene	1.81	0.200	mg/kg wet	2.000		91	70-130	0.3	25	
Bromochloromethane	1.95	0.200	mg/kg wet	2.000		98	70-130	0	25	
Bromodichloromethane	1.82	0.200	mg/kg wet	2.000		91	70-130	5	25	
Bromoform	1.65	0.200	mg/kg wet	2.000		82	70-130	7	25	
Bromomethane	1.74	0.200	mg/kg wet	2.000		87	70-130	0.7	25	
Carbon Disulfide	2.04	0.200	mg/kg wet	2.000		102	70-130	3	25	
Carbon Tetrachloride	1.72	0.200	mg/kg wet	2.000		86	70-130	1	25	
Chlorobenzene	1.85	0.200	mg/kg wet	2.000		93	70-130	4	25	
Chloroethane	1.98	0.200	mg/kg wet	2.000		99	70-130	2	25	
Chloroform	1.83	0.200	mg/kg wet	2.000		92	70-130	3	25	
Chloromethane	1.51	0.200	mg/kg wet	2.000		75	70-130	0.8	25	
cis-1,2-Dichloroethene	1.95	0.200	mg/kg wet	2.000		98	70-130	4	25	
cis-1,3-Dichloropropene	1.78	0.200	mg/kg wet	2.000		89	70-130	0.2	25	
Dibromochloromethane	1.72	0.200	mg/kg wet	2.000		86	70-130	3	25	
Dibromomethane	1.81	0.200	mg/kg wet	2.000		90	70-130	0.2	25	
Dichlorodifluoromethane	1.63	0.200	mg/kg wet	2.000		81	70-130	2	25	
Diethyl Ether	1.95	0.200	mg/kg wet	2.000		98	70-130	3	25	
Di-isopropyl ether	1.86	0.200	mg/kg wet	2.000		93	70-130	4	25	
Ethyl tertiary-butyl ether	1.79	0.200	mg/kg wet	2.000		89	70-130	4	25	
Ethylbenzene	1.72	0.200	mg/kg wet	2.000		86	70-130	5	25	
Hexachlorobutadiene	1.84	0.200	mg/kg wet	2.000		92	70-130	1	25	
Isopropylbenzene	1.72	0.200	mg/kg wet	2.000		86	70-130	0.3	25	
Methyl tert-Butyl Ether	1.99	0.200	mg/kg wet	2.000		100	70-130	2	25	
Methylene Chloride	1.89	0.400	mg/kg wet	2.000		95	70-130	4	25	
Naphthalene	1.73	0.200	mg/kg wet	2.000		87	70-130	2	25	
n-Butylbenzene	1.63	0.200	mg/kg wet	2.000		82	70-130	3	25	
n-Propylbenzene	1.67	0.200	mg/kg wet	2.000		84	70-130	0.1	25	
sec-Butylbenzene	1.68	0.200	mg/kg wet	2.000		84	70-130	3	25	
Styrene	1.78	0.200	mg/kg wet	2.000		89	70-130	5	25	
tert-Butylbenzene	1.65	0.200	mg/kg wet	2.000		82	70-130	3	25	
Tertiary-amyl methyl ether	1.84	0.200	mg/kg wet	2.000		92	70-130	4	25	
Tetrachloroethene	1.29	0.200	mg/kg wet	2.000		64	70-130	2	25	B-
Tetrahydrofuran	2.17	1.00	mg/kg wet	2.000		108	70-130	14	25	
Toluene	1.81	0.200	mg/kg wet	2.000		91	70-130	2	25	
trans-1,2-Dichloroethene	1.83	0.200	mg/kg wet	2.000		91	70-130	1	25	
trans-1,3-Dichloropropene	1.60	0.200	mg/kg wet	2.000		80	70-130	3	25	
Trichloroethene	1.71	0.200	mg/kg wet	2.000		86	70-130	4	25	
Trichlorofluoromethane	2.00	0.200	mg/kg wet	2.000		100	70-130	3	25	
Vinyl Acetate	2.25	0.200	mg/kg wet	2.000		112	70-130	7	25	
Vinyl Chloride	1.98	0.200	mg/kg wet	2.000		99	70-130	5	25	
Xylene O	1.80	0.200	mg/kg wet	2.000		90	70-130	4	25	
Xylene P,M	3.58	0.400	mg/kg wet	4.000		90	70-130	5	25	

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DC22919 - 5035										
Surrogate: 1,2-Dichloroethane-d4	*4.48*		mg/kg wet	*5.000*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*4.75*		mg/kg wet	*5.000*		*95*	*70-130*			
Surrogate: Dibromofluoromethane	*4.92*		mg/kg wet	*5.000*		*98*	*70-130*			
Surrogate: Toluene-d8	*4.78*		mg/kg wet	*5.000*		*96*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch DC22453 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.22*		mg/kg wet	*5.000*		*84*	*40-140*			
LCS										
Decane (C10)	1.8	0.2	mg/kg wet	2.500		70	40-140			
Docosane (C22)	2.0	0.2	mg/kg wet	2.500		82	40-140			
Dodecane (C12)	1.9	0.2	mg/kg wet	2.500		77	40-140			
Eicosane (C20)	2.0	0.2	mg/kg wet	2.500		80	40-140			
Hexacosane (C26)	2.0	0.2	mg/kg wet	2.500		82	40-140			
Hexadecane (C16)	1.9	0.2	mg/kg wet	2.500		77	40-140			
Nonadecane (C19)	1.9	0.2	mg/kg wet	2.500		75	40-140			
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		63	30-140			
Octacosane (C28)	2.0	0.2	mg/kg wet	2.500		80	40-140			
Octadecane (C18)	1.9	0.2	mg/kg wet	2.500		78	40-140			
Tetracosane (C24)	1.9	0.2	mg/kg wet	2.500		74	40-140			
Tetradecane (C14)	1.8	0.2	mg/kg wet	2.500		74	40-140			
Total Petroleum Hydrocarbons	26.4	37.5	mg/kg wet	35.00		75	40-140			
Triacontane (C30)	2.0	0.2	mg/kg wet	2.500		81	40-140			
Surrogate: O-Terphenyl	*4.22*		mg/kg wet	*5.000*		*84*	*40-140*			
LCS Dup										
Decane (C10)	1.6	0.2	mg/kg wet	2.500		65	40-140	7	25	
Docosane (C22)	1.9	0.2	mg/kg wet	2.500		76	40-140	8	25	

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DC22453 - 3546										
Dodecane (C12)	1.9	0.2	mg/kg wet	2.500		74	40-140	4	25	
Eicosane (C20)	1.9	0.2	mg/kg wet	2.500		74	40-140	7	25	
Hexacosane (C26)	1.9	0.2	mg/kg wet	2.500		75	40-140	8	25	
Hexadecane (C16)	1.8	0.2	mg/kg wet	2.500		71	40-140	7	25	
Nonadecane (C19)	1.7	0.2	mg/kg wet	2.500		69	40-140	8	25	
Nonane (C9)	1.5	0.2	mg/kg wet	2.500		59	30-140	7	25	
Octacosane (C28)	1.8	0.2	mg/kg wet	2.500		74	40-140	9	25	
Octadecane (C18)	1.8	0.2	mg/kg wet	2.500		72	40-140	8	25	
Tetracosane (C24)	1.7	0.2	mg/kg wet	2.500		69	40-140	8	25	
Tetradecane (C14)	1.7	0.2	mg/kg wet	2.500		68	40-140	8	25	
Total Petroleum Hydrocarbons	24.0	37.5	mg/kg wet	35.00		68	40-140	9	25	
Triacontane (C30)	1.8	0.2	mg/kg wet	2.500		74	40-140	10	25	
Surrogate: O-Terphenyl	*3.94*		mg/kg wet	*5.000*		*79*	*40-140*			
Batch DC22545 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.06*		mg/kg wet	*5.000*		*81*	*40-140*			
LCS										
Decane (C10)	1.5	0.2	mg/kg wet	2.500		62	40-140			
Docosane (C22)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Dodecane (C12)	1.7	0.2	mg/kg wet	2.500		68	40-140			
Eicosane (C20)	2.0	0.2	mg/kg wet	2.500		78	40-140			
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		90	40-140			
Hexadecane (C16)	1.9	0.2	mg/kg wet	2.500		77	40-140			
Nonadecane (C19)	2.1	0.2	mg/kg wet	2.500		82	40-140			
Nonane (C9)	1.5	0.2	mg/kg wet	2.500		59	30-140			
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		90	40-140			
Octadecane (C18)	2.0	0.2	mg/kg wet	2.500		80	40-140			
Tetracosane (C24)	2.0	0.2	mg/kg wet	2.500		78	40-140			
Tetradecane (C14)	1.8	0.2	mg/kg wet	2.500		72	40-140			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DC22545 - 3546										
Total Petroleum Hydrocarbons	31.7	37.5	mg/kg wet	35.00		91	40-140			
Triacontane (C30)	2.3	0.2	mg/kg wet	2.500		93	40-140			
Surrogate: O-Terphenyl	*3.98*		mg/kg wet	*5.000*		*80*	*40-140*			
LCS Dup										
Decane (C10)	1.6	0.2	mg/kg wet	2.500		65	40-140	5	25	
Docosane (C22)	2.1	0.2	mg/kg wet	2.500		85	40-140	0.9	25	
Dodecane (C12)	1.6	0.2	mg/kg wet	2.500		66	40-140	3	25	
Eicosane (C20)	2.1	0.2	mg/kg wet	2.500		83	40-140	6	25	
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		88	40-140	2	25	
Hexadecane (C16)	1.7	0.2	mg/kg wet	2.500		67	40-140	14	25	
Nonadecane (C19)	2.1	0.2	mg/kg wet	2.500		83	40-140	0.6	25	
Nonane (C9)	1.5	0.2	mg/kg wet	2.500		61	30-140	3	25	
Octacosane (C28)	2.1	0.2	mg/kg wet	2.500		85	40-140	6	25	
Octadecane (C18)	1.9	0.2	mg/kg wet	2.500		78	40-140	4	25	
Tetracosane (C24)	1.9	0.2	mg/kg wet	2.500		75	40-140	4	25	
Tetradecane (C14)	1.8	0.2	mg/kg wet	2.500		72	40-140	0.6	25	
Total Petroleum Hydrocarbons	30.5	37.5	mg/kg wet	35.00		87	40-140	4	25	
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		88	40-140	6	25	
Surrogate: O-Terphenyl	*3.69*		mg/kg wet	*5.000*		*74*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DC22544 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.667	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DC22544 - 3546										
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22C0962

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DC22544 - 3546										
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.50*		mg/kg wet	*3.333*		*75*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.90*		mg/kg wet	*5.000*		*78*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*4.09*		mg/kg wet	*5.000*		*82*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.72*		mg/kg wet	*3.333*		*82*	*30-130*			
Surrogate: 2-Fluorophenol	*4.51*		mg/kg wet	*5.000*		*90*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.69*		mg/kg wet	*3.333*		*81*	*30-130*			
Surrogate: Phenol-d6	*4.20*		mg/kg wet	*5.000*		*84*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.43*		mg/kg wet	*3.333*		*103*	*30-130*			
LCS										
1,1-Biphenyl	2.13	0.333	mg/kg wet	3.333		64	40-140			
1,2,4-Trichlorobenzene	2.19	0.333	mg/kg wet	3.333		66	40-140			
1,2-Dichlorobenzene	2.06	0.333	mg/kg wet	3.333		62	40-140			
1,3-Dichlorobenzene	2.15	0.333	mg/kg wet	3.333		64	40-140			
1,4-Dichlorobenzene	2.03	0.333	mg/kg wet	3.333		61	40-140			
2,3,4,6-Tetrachlorophenol	2.52	1.67	mg/kg wet	3.333		76	30-130			
2,4,5-Trichlorophenol	2.63	0.333	mg/kg wet	3.333		79	30-130			
2,4,6-Trichlorophenol	2.62	0.333	mg/kg wet	3.333		79	30-130			
2,4-Dichlorophenol	2.32	0.333	mg/kg wet	3.333		70	30-130			
2,4-Dimethylphenol	2.45	0.333	mg/kg wet	3.333		74	30-130			
2,4-Dinitrophenol	2.46	1.67	mg/kg wet	3.333		74	30-130			
2,4-Dinitrotoluene	2.71	0.333	mg/kg wet	3.333		81	40-140			
2,6-Dinitrotoluene	2.60	0.333	mg/kg wet	3.333		78	40-140			
2-Chloronaphthalene	2.20	0.333	mg/kg wet	3.333		66	40-140			
2-Chlorophenol	2.27	0.333	mg/kg wet	3.333		68	30-130			
2-Methylnaphthalene	2.23	0.333	mg/kg wet	3.333		67	40-140			
2-Methylphenol	2.26	0.333	mg/kg wet	3.333		68	30-130			
2-Nitroaniline	2.45	0.333	mg/kg wet	3.333		74	40-140			
2-Nitrophenol	2.26	0.333	mg/kg wet	3.333		68	30-130			
3,3´-Dichlorobenzidine	2.23	0.667	mg/kg wet	3.333		67	40-140			
3+4-Methylphenol	4.42	0.667	mg/kg wet	6.667		66	30-130			
3-Nitroaniline	2.52	0.333	mg/kg wet	3.333		76	40-140			
4,6-Dinitro-2-Methylphenol	2.54	1.67	mg/kg wet	3.333		76	30-130			
4-Bromophenyl-phenylether	2.52	0.333	mg/kg wet	3.333		76	40-140			
4-Chloro-3-Methylphenol	2.46	0.333	mg/kg wet	3.333		74	30-130			
4-Chloroaniline	1.56	0.667	mg/kg wet	3.333		47	40-140			
4-Chloro-phenyl-phenyl ether	2.39	0.333	mg/kg wet	3.333		72	40-140			
4-Nitroaniline	2.47	0.333	mg/kg wet	3.333		74	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22C0962

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DC22544 - 3546										
4-Nitrophenol	2.77	1.67	mg/kg wet	3.333		83	30-130			
Acenaphthene	2.23	0.333	mg/kg wet	3.333		67	40-140			
Acenaphthylene	2.29	0.333	mg/kg wet	3.333		69	40-140			
Acetophenone	2.10	0.667	mg/kg wet	3.333		63	40-140			
Aniline	1.54	0.667	mg/kg wet	3.333		46	40-140			
Anthracene	2.36	0.333	mg/kg wet	3.333		71	40-140			
Azobenzene	2.40	0.333	mg/kg wet	3.333		72	40-140			
Benzo(a)anthracene	2.62	0.333	mg/kg wet	3.333		79	40-140			
Benzo(a)pyrene	2.66	0.167	mg/kg wet	3.333		80	40-140			
Benzo(b)fluoranthene	2.67	0.333	mg/kg wet	3.333		80	40-140			
Benzo(g,h,i)perylene	2.47	0.333	mg/kg wet	3.333		74	40-140			
Benzo(k)fluoranthene	2.82	0.333	mg/kg wet	3.333		84	40-140			
Benzoic Acid	2.18	1.67	mg/kg wet	3.333		65	40-140			
Benzyl Alcohol	1.86	0.333	mg/kg wet	3.333		56	40-140			
bis(2-Chloroethoxy)methane	2.21	0.333	mg/kg wet	3.333		66	40-140			
bis(2-Chloroethyl)ether	2.08	0.333	mg/kg wet	3.333		62	40-140			
bis(2-chloroisopropyl)Ether	2.15	0.333	mg/kg wet	3.333		64	40-140			
bis(2-Ethylhexyl)phthalate	2.94	0.333	mg/kg wet	3.333		88	40-140			
Butylbenzylphthalate	2.83	0.333	mg/kg wet	3.333		85	40-140			
Carbazole	2.62	0.333	mg/kg wet	3.333		79	40-140			
Chrysene	2.62	0.167	mg/kg wet	3.333		79	40-140			
Dibenzo(a,h)Anthracene	2.64	0.167	mg/kg wet	3.333		79	40-140			
Dibenzofuran	2.30	0.333	mg/kg wet	3.333		69	40-140			
Diethylphthalate	2.69	0.333	mg/kg wet	3.333		81	40-140			
Dimethylphthalate	2.51	0.333	mg/kg wet	3.333		75	40-140			
Di-n-butylphthalate	2.72	0.333	mg/kg wet	3.333		82	40-140			
Di-n-octylphthalate	2.79	0.333	mg/kg wet	3.333		84	40-140			
Fluoranthene	2.64	0.333	mg/kg wet	3.333		79	40-140			
Fluorene	2.43	0.333	mg/kg wet	3.333		73	40-140			
Hexachlorobenzene	2.49	0.167	mg/kg wet	3.333		75	40-140			
Hexachlorobutadiene	2.05	0.333	mg/kg wet	3.333		62	40-140			
Hexachlorocyclopentadiene	1.93	1.67	mg/kg wet	3.333		58	40-140			
Hexachloroethane	2.03	0.333	mg/kg wet	3.333		61	40-140			
Indeno(1,2,3-cd)Pyrene	2.54	0.333	mg/kg wet	3.333		76	40-140			
Isophorone	2.12	0.333	mg/kg wet	3.333		64	40-140			
Naphthalene	2.14	0.333	mg/kg wet	3.333		64	40-140			
Nitrobenzene	2.12	0.333	mg/kg wet	3.333		64	40-140			
N-Nitrosodimethylamine	2.10	0.333	mg/kg wet	3.333		63	40-140			
N-Nitroso-Di-n-Propylamine	2.25	0.333	mg/kg wet	3.333		68	40-140			
N-nitrosodiphenylamine	2.52	0.333	mg/kg wet	3.333		76	40-140			
Pentachlorophenol	2.84	1.67	mg/kg wet	3.333		85	30-130			
Phenanthrene	2.41	0.333	mg/kg wet	3.333		72	40-140			
Phenol	2.29	0.333	mg/kg wet	3.333		69	30-130			
Pyrene	2.72	0.333	mg/kg wet	3.333		82	40-140			
Pyridine	1.80	1.67	mg/kg wet	3.333		54	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22C0962

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DC22544 - 3546										
Surrogate: 1,2-Dichlorobenzene-d4	*2.21*		mg/kg wet	*3.333*		*66*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.34*		mg/kg wet	*5.000*		*87*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.70*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.46*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*4.07*		mg/kg wet	*5.000*		*81*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.37*		mg/kg wet	*3.333*		*71*	*30-130*			
Surrogate: Phenol-d6	*3.88*		mg/kg wet	*5.000*		*78*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.10*		mg/kg wet	*3.333*		*93*	*30-130*			
LCS Dup										
1,1-Biphenyl	2.19	0.333	mg/kg wet	3.333		66	40-140	3	30	
1,2,4-Trichlorobenzene	2.22	0.333	mg/kg wet	3.333		67	40-140	2	30	
1,2-Dichlorobenzene	2.06	0.333	mg/kg wet	3.333		62	40-140	0.2	30	
1,3-Dichlorobenzene	2.15	0.333	mg/kg wet	3.333		64	40-140	0.05	30	
1,4-Dichlorobenzene	2.01	0.333	mg/kg wet	3.333		60	40-140	1	30	
2,3,4,6-Tetrachlorophenol	2.57	1.67	mg/kg wet	3.333		77	30-130	2	30	
2,4,5-Trichlorophenol	2.70	0.333	mg/kg wet	3.333		81	30-130	2	30	
2,4,6-Trichlorophenol	2.76	0.333	mg/kg wet	3.333		83	30-130	5	30	
2,4-Dichlorophenol	2.42	0.333	mg/kg wet	3.333		73	30-130	4	30	
2,4-Dimethylphenol	2.55	0.333	mg/kg wet	3.333		77	30-130	4	30	
2,4-Dinitrophenol	2.65	1.67	mg/kg wet	3.333		80	30-130	7	30	
2,4-Dinitrotoluene	2.75	0.333	mg/kg wet	3.333		83	40-140	1	30	
2,6-Dinitrotoluene	2.68	0.333	mg/kg wet	3.333		80	40-140	3	30	
2-Chloronaphthalene	2.24	0.333	mg/kg wet	3.333		67	40-140	2	30	
2-Chlorophenol	2.26	0.333	mg/kg wet	3.333		68	30-130	0.5	30	
2-Methylnaphthalene	2.31	0.333	mg/kg wet	3.333		69	40-140	4	30	
2-Methylphenol	2.27	0.333	mg/kg wet	3.333		68	30-130	0.5	30	
2-Nitroaniline	2.49	0.333	mg/kg wet	3.333		75	40-140	2	30	
2-Nitrophenol	2.33	0.333	mg/kg wet	3.333		70	30-130	3	30	
3,3´-Dichlorobenzidine	2.27	0.667	mg/kg wet	3.333		68	40-140	2	30	
3+4-Methylphenol	4.49	0.667	mg/kg wet	6.667		67	30-130	2	30	
3-Nitroaniline	2.56	0.333	mg/kg wet	3.333		77	40-140	2	30	
4,6-Dinitro-2-Methylphenol	2.69	1.67	mg/kg wet	3.333		81	30-130	6	30	
4-Bromophenyl-phenylether	2.64	0.333	mg/kg wet	3.333		79	40-140	5	30	
4-Chloro-3-Methylphenol	2.56	0.333	mg/kg wet	3.333		77	30-130	4	30	
4-Chloroaniline	1.55	0.667	mg/kg wet	3.333		47	40-140	0.4	30	
4-Chloro-phenyl-phenyl ether	2.45	0.333	mg/kg wet	3.333		73	40-140	2	30	
4-Nitroaniline	2.51	0.333	mg/kg wet	3.333		75	40-140	2	30	
4-Nitrophenol	2.71	1.67	mg/kg wet	3.333		81	30-130	2	30	
Acenaphthene	2.28	0.333	mg/kg wet	3.333		68	40-140	2	30	
Acenaphthylene	2.37	0.333	mg/kg wet	3.333		71	40-140	3	30	
Acetophenone	2.09	0.667	mg/kg wet	3.333		63	40-140	0.3	30	
Aniline	1.55	0.667	mg/kg wet	3.333		46	40-140	0.7	30	
Anthracene	2.42	0.333	mg/kg wet	3.333		73	40-140	2	30	
Azobenzene	2.49	0.333	mg/kg wet	3.333		75	40-140	3	30	
Benzo(a)anthracene	2.69	0.333	mg/kg wet	3.333		81	40-140	2	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22C0962

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DC22544 - 3546										
Benzo(a)pyrene	2.72	0.167	mg/kg wet	3.333		82	40-140	2	30	
Benzo(b)fluoranthene	2.80	0.333	mg/kg wet	3.333		84	40-140	5	30	
Benzo(g,h,i)perylene	2.33	0.333	mg/kg wet	3.333		70	40-140	6	30	
Benzo(k)fluoranthene	2.87	0.333	mg/kg wet	3.333		86	40-140	2	30	
Benzoic Acid	2.41	1.67	mg/kg wet	3.333		72	40-140	10	30	
Benzyl Alcohol	1.87	0.333	mg/kg wet	3.333		56	40-140	1	30	
bis(2-Chloroethoxy)methane	2.30	0.333	mg/kg wet	3.333		69	40-140	4	30	
bis(2-Chloroethyl)ether	2.09	0.333	mg/kg wet	3.333		63	40-140	0.3	30	
bis(2-chloroisopropyl)Ether	2.14	0.333	mg/kg wet	3.333		64	40-140	0.4	30	
bis(2-Ethylhexyl)phthalate	3.06	0.333	mg/kg wet	3.333		92	40-140	4	30	
Butylbenzylphthalate	2.95	0.333	mg/kg wet	3.333		88	40-140	4	30	
Carbazole	2.62	0.333	mg/kg wet	3.333		79	40-140	0.1	30	
Chrysene	2.69	0.167	mg/kg wet	3.333		81	40-140	2	30	
Dibenzo(a,h)Anthracene	2.56	0.167	mg/kg wet	3.333		77	40-140	3	30	
Dibenzofuran	2.34	0.333	mg/kg wet	3.333		70	40-140	2	30	
Diethylphthalate	2.71	0.333	mg/kg wet	3.333		81	40-140	0.5	30	
Dimethylphthalate	2.55	0.333	mg/kg wet	3.333		76	40-140	2	30	
Di-n-butylphthalate	2.76	0.333	mg/kg wet	3.333		83	40-140	1	30	
Di-n-octylphthalate	2.95	0.333	mg/kg wet	3.333		88	40-140	5	30	
Fluoranthene	2.61	0.333	mg/kg wet	3.333		78	40-140	1	30	
Fluorene	2.50	0.333	mg/kg wet	3.333		75	40-140	3	30	
Hexachlorobenzene	2.56	0.167	mg/kg wet	3.333		77	40-140	3	30	
Hexachlorobutadiene	2.09	0.333	mg/kg wet	3.333		63	40-140	2	30	
Hexachlorocyclopentadiene	2.05	1.67	mg/kg wet	3.333		62	40-140	6	30	
Hexachloroethane	2.02	0.333	mg/kg wet	3.333		61	40-140	0.3	30	
Indeno(1,2,3-cd)Pyrene	2.49	0.333	mg/kg wet	3.333		75	40-140	2	30	
Isophorone	2.18	0.333	mg/kg wet	3.333		66	40-140	3	30	
Naphthalene	2.15	0.333	mg/kg wet	3.333		65	40-140	0.9	30	
Nitrobenzene	2.16	0.333	mg/kg wet	3.333		65	40-140	2	30	
N-Nitrosodimethylamine	2.09	0.333	mg/kg wet	3.333		63	40-140	0.2	30	
N-Nitroso-Di-n-Propylamine	2.28	0.333	mg/kg wet	3.333		68	40-140	1	30	
N-nitrosodiphenylamine	2.62	0.333	mg/kg wet	3.333		79	40-140	4	30	
Pentachlorophenol	2.90	1.67	mg/kg wet	3.333		87	30-130	2	30	
Phenanthrene	2.47	0.333	mg/kg wet	3.333		74	40-140	2	30	
Phenol	2.30	0.333	mg/kg wet	3.333		69	30-130	0.5	30	
Pyrene	2.89	0.333	mg/kg wet	3.333		87	40-140	6	30	
Pyridine	1.79	1.67	mg/kg wet	3.333		54	40-140	1	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.16*		mg/kg wet	*3.333*		*65*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.35*		mg/kg wet	*5.000*		*87*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.68*		mg/kg wet	*5.000*		*74*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.48*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*3.96*		mg/kg wet	*5.000*		*79*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.38*		mg/kg wet	*3.333*		*71*	*30-130*			
Surrogate: Phenol-d6	*3.81*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.25*		mg/kg wet	*3.333*		*97*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22C0962

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Classical Chemistry										
Batch DC22849 - TCN Prep										
Blank										
Total Cyanide	ND	1.00	mg/kg wet							
LCS										
Total Cyanide	5.24	1.00	mg/kg wet	5.015		105	90-110			
Reference										
Total Cyanide	43.1	4.90	mg/kg wet	48.80		88	22.9-122.9			
Reference										
Total Cyanide	42.1	4.65	mg/kg wet	48.80		86	22.9-122.9			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22C0962

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
PT	Pentachlorophenol tailing factor > 2.
J	Reported between MDL and MRL
ICV-	Initial Calibration Verification recovery is below lower control limit (ICV-).
EL	Elevated Method Reporting Limits due to sample matrix (EL).
E	Reported above the quantitation limit; Estimated value (E).
D	Diluted.
CD-	Continuing Calibration %Diff/Drift is below control limit (CD-).
B-	Blank Spike recovery is below lower control limit (B-).
B	Present in Method Blank (B).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probable Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: 642 Allens Ave

ESS Laboratory Work Order: 22C0962

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

Sterling Analytical, Inc.
15 Agawam Avenue
West Springfield, MA 01089
Phone (413) 214-6541 Fax (413) 214-6842

Visit our website: www.sterlinganalytical.com

Report Date April 1, 2022

Customer	Contact	Laboratory Supervisor	eMail
ESS Laboratory	S. Morrell	Dale Percoski	customerservice@sterlinganalytical.com

Sample Description
Analysis of Soil Samples

Samples Analyzed

Enclosed are Report No(s): 76418, 76419

Sulfur Total Blank = <0.05ppm

LCS Lo Check 0.100 = 0.102ppm

ICV 1.00 = 1.053ppm

Thank you for your business

Dale Percoski

Dale Percoski, Laboratory Supervisor

4/1/2022

Date

ALL the information contained in this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method.
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Sample	Description	Source	Taken/Time	Received
76418	22C0962-01	ESS Laboratory	3/25/22	3/28/22

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	368	mg/kg	100.00	SW 846 6010	04/01/22	dfp

Sample	Description	Source	Taken/Time	Received
76419	22C0962-02	ESS Laboratory	3/25/22	3/28/22

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	655	mg/kg	100.00	SW 846 6010	04/01/22	dfp

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: ESS Courier

ESS Project ID: 22C0962
Date Received: 3/25/2022
Project Due Date: 4/1/2022
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: -1 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. **Were labs informed about short holds & rushes?** Yes / No / (NA)
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? (Yes) / No
    ESS Sample IDs: 1-2
    Analysis: Sulfur
    TAT: 5 day
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA
13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: ____ Time: ____ By: ____
    b. Low Level VOA vials frozen: Date: 3-25-22 Time: 1523 By: [signature]

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / No
    Who was contacted? ____ Date: ____ Time: ____ By: ____

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	270827	Yes	N/A	Yes	VOA Vial	DI Water	
1	270828	Yes	N/A	Yes	VOA Vial	DI Water	
1	270831	Yes	N/A	Yes	VOA Vial	MeOH	
1	270833	Yes	N/A	Yes	8 oz jar	NP	
1	270834	Yes	N/A	Yes	8 oz jar	NP	
1	270837	Yes	N/A	Yes	4 oz. Jar	NP	
2	270829	Yes	N/A	Yes	VOA Vial	DI Water	
2	270830	Yes	N/A	Yes	VOA Vial	DI Water	
2	270832	Yes	N/A	Yes	VOA Vial	MeOH	
2	270835	Yes	N/A	Yes	8 oz jar	NP	
2	270836	Yes	N/A	Yes	8 oz jar	NP	
2	270838	Yes	N/A	Yes	4 oz. Jar	NP	

2nd Review
Were all containers scanned into storage/lab? Initials [signature]
Are barcode labels on correct containers? (Yes) / No
Are all Flashpoint stickers attached/container ID # circled? Yes / No / (NA)

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 22C0962

Date Received: 3/25/2022

Are all Hex Chrome stickers attached? Yes / No / NA

Are all QC stickers attached? Yes / No / NA

Are VOA stickers attached if bubbles noted? Yes / No / NA

Completed By: NZ Date & Time: 3-25-22 1518

Reviewed By: [signature] Date & Time: 3/25/22 1523

.04 / 16.2

185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 22C09102 | Page 1 of 1

Turn Time: ☐ >5 ☑ 5 ☐ 4 ☐ 3 ☐ 2 ☐ 1 ☐ Same Day

Regulatory State: Criteria:

Is this project for any of the following?: ☐ CT RCP ☐ MA MCP ☐ RGP ☐ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF)
☐ Limit Checker ☐ State Forms ☐ EQuIS
☐ Excel ☐ Hard Copy ☐ Enviro Data
☐ CLP-Like Package ☐ Other (Specify) →

CLIENT INFORMATION

Client: GZA GeoEnvironmental
Address: 188 Valley St.
Providence, RI
Phone: 401-421-4140
Email Distribution List: SARA_HAUPT @GZA.COM

PROJECT INFORMATION

Project Name: NGRID FPLP
Project Location: 642 Allens Ave, Prov., RI
Project Number: 33554.04/6.2
Project Manager: SARA HAUPT
Bill to:
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	VOC 8260	SVOC 8270	RCRA T. Metals	TPH 8100M	T. CN-	T. SULPHUR	Total Number of Bottles
1	3/25/22		~~SOIL~~ COMP	SOIL	SP03 25 22-A	X	X	X	X	X	X	6
2	"		~~SOIL~~ COMP	SOIL	SP03 25 22-B	X	X	X	X	X	X	6

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial
Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*
Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*

Sampled by :

Chain needs to be filled out neatly and completely for on time delivery.

Laboratory Use Only
Cooler Temperature (°C): 1

Comments: * Please specify "Other" preservative and containers types in this space

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration ☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
	3/25/22	1502					

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)

CERTIFICATE OF ANALYSIS

Sara Haupt
GZA GeoEnvironmental, Inc.
188 Valley Street
Providence, RI 02909

RE: FPLP (03.0033554.04 Tank 6.2)
ESS Laboratory Work Order Number: 22D1200

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 3:17 pm, May 11, 2022

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Sterling Analytical Lab - West Springfield, MA	Sulfur, Sulfur (Subcontracted)

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 22D1200

SAMPLE RECEIPT

The following samples were received on April 29, 2022 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	Sample Name	Matrix	Analysis
22D1200-01	SP04292022-1	Soil	6010, 6010C, 6020A, 7471B, 8100M, 8260B, 8270D, 9014
22D1200-02	SP04292022-2	Soil	6010, 6010C, 6020A, 7471B, 8100M, 8260B, 8270D, 9014

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 22D1200

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Methanol

22D1200-01 **Present in Method Blank (B).**
Methylene Chloride

22D1200-02 **Present in Method Blank (B).**
Methylene Chloride

8100M Total Petroleum Hydrocarbons

D2D0604-CCV4 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
O-Terphenyl (23% @ 20%)

D2E0041-CCV3 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Triacontane (C30) (22% @ 20%)

D2E0041-CCV4 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
Triacontane (C30) (22% @ 20%)

8270D Semi-Volatile Organic Compounds

D2D0602-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (94% @ 80-120%), 4,6-Dinitro-2-Methylphenol (107% @ 80-120%), Benzoic Acid (111% @ 80-120%)

D2D0602-CCV1 **Initial Calibration Verification recovery is below lower control limit (ICV-).**
3,3´-Dichlorobenzidine , 4-Chloroaniline

D2E0018-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (109% @ 80-120%), 4,6-Dinitro-2-Methylphenol (125% @ 80-120%), Benzoic Acid (123% @ 80-120%)

D2E0018-CCV1 **Continuing Calibration %Diff/Drift is above control limit (CD+).**
2,4,5-Trichlorophenol (21% @ 20%), 4,6-Dinitro-2-Methylphenol (25% @ 20%), Benzoic Acid (23% @ 20%)

D2E0018-CCV1 **Initial Calibration Verification recovery is below lower control limit (ICV-).**
3,3´-Dichlorobenzidine , 4-Chloroaniline

DD22945-BS1 **Blank Spike recovery is below lower control limit (B-).**
Aniline (38% @ 40-140%)

DD22945-BSD1 **Blank Spike recovery is below lower control limit (B-).**
Aniline (35% @ 40-140%)

No other observations noted.

End of Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 22D1200

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP04292022-1
Date Sampled: 04/29/22 11:43
Percent Solids: 99

ESS Laboratory Work Order: 22D1200
ESS Laboratory Sample ID: 22D1200-01
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.30** (2.05)		6010C		1	KJK	05/03/22 17:10	2.47	100	DE20223
Barium	**38.2** (2.05)		6010C		1	KJK	05/03/22 17:10	2.47	100	DE20223
Cadmium	ND (0.41)		6010C		1	KJK	05/03/22 17:10	2.47	100	DE20223
Chromium	**7.01** (0.82)		6010C		1	KJK	05/03/22 17:10	2.47	100	DE20223
Lead	**20.1** (4.10)		6010C		1	KJK	05/03/22 17:10	2.47	100	DE20223
Mercury	**0.027** (0.025)		7471B		1	YIV	05/03/22 10:59	0.79	40	DE20224
Selenium	ND (0.41)		6020A		1	KJK	05/05/22 14:26	2.47	100	DE20223
Silver	ND (0.41)		6010C		1	KJK	05/03/22 17:10	2.47	100	DE20223

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP04292022-1
Date Sampled: 04/29/22 11:43
Percent Solids: 99
Initial Volume: 24.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 22D1200
ESS Laboratory Sample ID: 22D1200-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
1,1,1-Trichloroethane	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
1,1,2,2-Tetrachloroethane	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
1,1,2-Trichloroethane	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
1,1-Dichloroethane	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
1,1-Dichloroethene	ND (0.125)	0.0375	8260B		1	05/03/22 15:14	D2E0050	DE20331
1,1-Dichloropropene	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
1,2,3-Trichlorobenzene	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
1,2,3-Trichloropropane	ND (0.125)	0.0375	8260B		1	05/03/22 15:14	D2E0050	DE20331
1,2,4-Trichlorobenzene	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
1,2,4-Trimethylbenzene	**J 0.0150** (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
1,2-Dibromo-3-Chloropropane	ND (0.624)	0.125	8260B		1	05/03/22 15:14	D2E0050	DE20331
1,2-Dibromoethane	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
1,2-Dichlorobenzene	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
1,2-Dichloroethane	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
1,2-Dichloropropane	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
1,3,5-Trimethylbenzene	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
1,3-Dichlorobenzene	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
1,3-Dichloropropane	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
1,4-Dichlorobenzene	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
1,4-Dioxane - Screen	ND (25.0)	23.7	8260B		1	05/03/22 15:14	D2E0050	DE20331
1-Chlorohexane	ND (0.125)	0.0499	8260B		1	05/03/22 15:14	D2E0050	DE20331
2,2-Dichloropropane	ND (0.125)	0.0375	8260B		1	05/03/22 15:14	D2E0050	DE20331
2-Butanone	ND (0.624)	0.425	8260B		1	05/03/22 15:14	D2E0050	DE20331
2-Chlorotoluene	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
2-Hexanone	ND (0.624)	0.187	8260B		1	05/03/22 15:14	D2E0050	DE20331
4-Chlorotoluene	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
4-Isopropyltoluene	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
4-Methyl-2-Pentanone	ND (0.624)	0.200	8260B		1	05/03/22 15:14	D2E0050	DE20331
Acetone	ND (0.624)	0.337	8260B		1	05/03/22 15:14	D2E0050	DE20331
Benzene	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
Bromobenzene	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP04292022-1
Date Sampled: 04/29/22 11:43
Percent Solids: 99
Initial Volume: 24.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 22D1200
ESS Laboratory Sample ID: 22D1200-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.125)	0.0375	8260B		1	05/03/22 15:14	D2E0050	DE20331
Bromodichloromethane	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
Bromoform	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
Bromomethane	ND (0.125)	0.0499	8260B		1	05/03/22 15:14	D2E0050	DE20331
Carbon Disulfide	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
Carbon Tetrachloride	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
Chlorobenzene	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
Chloroethane	ND (0.125)	0.0499	8260B		1	05/03/22 15:14	D2E0050	DE20331
Chloroform	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
Chloromethane	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
cis-1,2-Dichloroethene	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
cis-1,3-Dichloropropene	ND (0.125)	0.0375	8260B		1	05/03/22 15:14	D2E0050	DE20331
Dibromochloromethane	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
Dibromomethane	ND (0.125)	0.0375	8260B		1	05/03/22 15:14	D2E0050	DE20331
Dichlorodifluoromethane	ND (0.125)	0.0375	8260B		1	05/03/22 15:14	D2E0050	DE20331
Diethyl Ether	ND (0.125)	0.0375	8260B		1	05/03/22 15:14	D2E0050	DE20331
Di-isopropyl ether	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
Ethyl tertiary-butyl ether	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
Ethylbenzene	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
Hexachlorobutadiene	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
Isopropylbenzene	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
Methyl tert-Butyl Ether	ND (0.125)	0.0375	8260B		1	05/03/22 15:14	D2E0050	DE20331
Methylene Chloride	**B, J 0.0412** (0.250)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
Naphthalene	**J 0.0862** (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
n-Butylbenzene	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
n-Propylbenzene	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
sec-Butylbenzene	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
Styrene	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
tert-Butylbenzene	ND (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
Tertiary-amyl methyl ether	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
Tetrachloroethene	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
Tetrahydrofuran	ND (0.624)	0.200	8260B		1	05/03/22 15:14	D2E0050	DE20331

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP04292022-1
Date Sampled: 04/29/22 11:43
Percent Solids: 99
Initial Volume: 24.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 22D1200
ESS Laboratory Sample ID: 22D1200-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	**J 0.0137** (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
trans-1,2-Dichloroethene	ND (0.125)	0.0375	8260B		1	05/03/22 15:14	D2E0050	DE20331
trans-1,3-Dichloropropene	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
Trichloroethene	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
Trichlorofluoromethane	ND (0.125)	0.0499	8260B		1	05/03/22 15:14	D2E0050	DE20331
Vinyl Acetate	ND (0.125)	0.0624	8260B		1	05/03/22 15:14	D2E0050	DE20331
Vinyl Chloride	ND (0.125)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
Xylene O	**J 0.0150** (0.125)	0.0125	8260B		1	05/03/22 15:14	D2E0050	DE20331
Xylene P,M	**J 0.0262** (0.250)	0.0250	8260B		1	05/03/22 15:14	D2E0050	DE20331
Xylenes (Total)	ND (0.250)		8260B		1	05/03/22 15:14		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*96 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*107 %*		*70-130*
Surrogate: Dibromofluoromethane	*104 %*		*70-130*
Surrogate: Toluene-d8	*99 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP04292022-1
Date Sampled: 04/29/22 11:43
Percent Solids: 99
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 22D1200
ESS Laboratory Sample ID: 22D1200-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 4/29/22 18:05

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**86.9** (37.8)		8100M		1	05/03/22 3:51	D2E0041	DD22946

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*81 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP04292022-1
Date Sampled: 04/29/22 11:43
Percent Solids: 99
Initial Volume: 15.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22D1200
ESS Laboratory Sample ID: 22D1200-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/29/22 18:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
1,2,4-Trichlorobenzene	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
1,2-Dichlorobenzene	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
1,3-Dichlorobenzene	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
1,4-Dichlorobenzene	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
2,3,4,6-Tetrachlorophenol	ND (1.64)		8270D		1	05/03/22 1:08	D2E0018	DD22945
2,4,5-Trichlorophenol	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
2,4,6-Trichlorophenol	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
2,4-Dichlorophenol	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
2,4-Dimethylphenol	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
2,4-Dinitrophenol	ND (1.64)		8270D		1	05/03/22 1:08	D2E0018	DD22945
2,4-Dinitrotoluene	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
2,6-Dinitrotoluene	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
2-Chloronaphthalene	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
2-Chlorophenol	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
2-Methylnaphthalene	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
2-Methylphenol	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
2-Nitroaniline	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
2-Nitrophenol	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
3,3´-Dichlorobenzidine	ND (0.654)		8270D		1	05/03/22 1:08	D2E0018	DD22945
3+4-Methylphenol	ND (0.654)		8270D		1	05/03/22 1:08	D2E0018	DD22945
3-Nitroaniline	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
4,6-Dinitro-2-Methylphenol	ND (1.64)		8270D		1	05/03/22 1:08	D2E0018	DD22945
4-Bromophenyl-phenylether	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
4-Chloro-3-Methylphenol	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
4-Chloroaniline	ND (0.654)		8270D		1	05/03/22 1:08	D2E0018	DD22945
4-Chloro-phenyl-phenyl ether	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
4-Nitroaniline	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
4-Nitrophenol	ND (1.64)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Acenaphthene	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Acenaphthylene	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Acetophenone	ND (0.654)		8270D		1	05/03/22 1:08	D2E0018	DD22945

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP04292022-1
Date Sampled: 04/29/22 11:43
Percent Solids: 99
Initial Volume: 15.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22D1200
ESS Laboratory Sample ID: 22D1200-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/29/22 18:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.654)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Anthracene	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Azobenzene	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Benzo(a)anthracene	**0.455** (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Benzo(a)pyrene	**0.456** (0.164)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Benzo(b)fluoranthene	**0.481** (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Benzo(g,h,i)perylene	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Benzo(k)fluoranthene	**0.418** (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Benzoic Acid	ND (1.64)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Benzyl Alcohol	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
bis(2-Chloroethoxy)methane	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
bis(2-Chloroethyl)ether	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
bis(2-chloroisopropyl)Ether	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
bis(2-Ethylhexyl)phthalate	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Butylbenzylphthalate	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Carbazole	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Chrysene	**0.501** (0.164)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Dibenzo(a,h)Anthracene	ND (0.164)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Dibenzofuran	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Diethylphthalate	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Dimethylphthalate	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Di-n-butylphthalate	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Di-n-octylphthalate	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Fluoranthene	**0.852** (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Fluorene	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Hexachlorobenzene	ND (0.164)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Hexachlorobutadiene	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Hexachlorocyclopentadiene	ND (1.64)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Hexachloroethane	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Indeno(1,2,3-cd)Pyrene	**0.352** (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Isophorone	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Naphthalene	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP04292022-1
Date Sampled: 04/29/22 11:43
Percent Solids: 99
Initial Volume: 15.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22D1200
ESS Laboratory Sample ID: 22D1200-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/29/22 18:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
N-Nitrosodimethylamine	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
N-Nitroso-Di-n-Propylamine	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
N-nitrosodiphenylamine	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Pentachlorophenol	ND (1.64)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Phenanthrene	**0.408** (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Phenol	ND (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Pyrene	**0.653** (0.327)		8270D		1	05/03/22 1:08	D2E0018	DD22945
Pyridine	ND (1.64)		8270D		1	05/03/22 1:08	D2E0018	DD22945

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*81 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*100 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*88 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*80 %*		*30-130*
Surrogate: 2-Fluorophenol	*90 %*		*30-130*
Surrogate: Nitrobenzene-d5	*82 %*		*30-130*
Surrogate: Phenol-d6	*92 %*		*30-130*
Surrogate: p-Terphenyl-d14	*90 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP04292022-1
Date Sampled: 04/29/22 11:43
Percent Solids: 99

ESS Laboratory Work Order: 22D1200
ESS Laboratory Sample ID: 22D1200-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	ND (1.01)		9014		1	EEM	05/05/22 13:20	mg/kg dry	DE20525

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP04292022-1
Date Sampled: 04/29/22 11:43
Percent Solids: 99
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 22D1200
ESS Laboratory Sample ID: 22D1200-01
Sample Matrix: Soil

Analyst: SUB
Prepared: 5/4/22 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**242** (100)		6010		1	SUB	05/04/22 0:00	mg/kg	DE21125

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP04292022-2
Date Sampled: 04/29/22 11:49
Percent Solids: 98

ESS Laboratory Work Order: 22D1200
ESS Laboratory Sample ID: 22D1200-02
Sample Matrix: Soil
Units: mg/kg dry

Extraction Method: 3050B

Total Metals

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.18)		6010C		1	KJK	05/03/22 17:18	2.34	100	DE20223
Barium	**81.1** (2.18)		6010C		1	KJK	05/03/22 17:18	2.34	100	DE20223
Cadmium	ND (0.44)		6010C		1	KJK	05/03/22 17:18	2.34	100	DE20223
Chromium	**14.2** (0.87)		6010C		1	KJK	05/03/22 17:18	2.34	100	DE20223
Lead	**15.3** (4.37)		6010C		1	KJK	05/03/22 17:18	2.34	100	DE20223
Mercury	ND (0.024)		7471B		1	YIV	05/03/22 11:05	0.86	40	DE20224
Selenium	ND (0.44)		6020A		1	KJK	05/05/22 14:32	2.34	100	DE20223
Silver	ND (0.44)		6010C		1	KJK	05/03/22 17:18	2.34	100	DE20223

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP04292022-2
Date Sampled: 04/29/22 11:49
Percent Solids: 98
Initial Volume: 27.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 22D1200
ESS Laboratory Sample ID: 22D1200-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
1,1,1-Trichloroethane	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
1,1,2,2-Tetrachloroethane	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
1,1,2-Trichloroethane	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
1,1-Dichloroethane	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
1,1-Dichloroethene	ND (0.116)	0.0347	8260B		1	05/03/22 15:41	D2E0050	DE20331
1,1-Dichloropropene	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
1,2,3-Trichlorobenzene	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
1,2,3-Trichloropropane	ND (0.116)	0.0347	8260B		1	05/03/22 15:41	D2E0050	DE20331
1,2,4-Trichlorobenzene	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
1,2,4-Trimethylbenzene	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
1,2-Dibromo-3-Chloropropane	ND (0.578)	0.116	8260B		1	05/03/22 15:41	D2E0050	DE20331
1,2-Dibromoethane	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
1,2-Dichlorobenzene	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
1,2-Dichloroethane	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
1,2-Dichloropropane	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
1,3,5-Trimethylbenzene	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
1,3-Dichlorobenzene	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
1,3-Dichloropropane	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
1,4-Dichlorobenzene	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
1,4-Dioxane - Screen	ND (23.1)	22.0	8260B		1	05/03/22 15:41	D2E0050	DE20331
1-Chlorohexane	ND (0.116)	0.0462	8260B		1	05/03/22 15:41	D2E0050	DE20331
2,2-Dichloropropane	ND (0.116)	0.0347	8260B		1	05/03/22 15:41	D2E0050	DE20331
2-Butanone	ND (0.578)	0.393	8260B		1	05/03/22 15:41	D2E0050	DE20331
2-Chlorotoluene	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
2-Hexanone	ND (0.578)	0.173	8260B		1	05/03/22 15:41	D2E0050	DE20331
4-Chlorotoluene	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
4-Isopropyltoluene	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
4-Methyl-2-Pentanone	ND (0.578)	0.185	8260B		1	05/03/22 15:41	D2E0050	DE20331
Acetone	ND (0.578)	0.312	8260B		1	05/03/22 15:41	D2E0050	DE20331
Benzene	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
Bromobenzene	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP04292022-2
Date Sampled: 04/29/22 11:49
Percent Solids: 98
Initial Volume: 27.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 22D1200
ESS Laboratory Sample ID: 22D1200-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Bromochloromethane	ND (0.116)	0.0347	8260B		1	05/03/22 15:41	D2E0050	DE20331
Bromodichloromethane	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
Bromoform	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
Bromomethane	ND (0.116)	0.0462	8260B		1	05/03/22 15:41	D2E0050	DE20331
Carbon Disulfide	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
Carbon Tetrachloride	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
Chlorobenzene	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
Chloroethane	ND (0.116)	0.0462	8260B		1	05/03/22 15:41	D2E0050	DE20331
Chloroform	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
Chloromethane	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
cis-1,2-Dichloroethene	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
cis-1,3-Dichloropropene	ND (0.116)	0.0347	8260B		1	05/03/22 15:41	D2E0050	DE20331
Dibromochloromethane	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
Dibromomethane	ND (0.116)	0.0347	8260B		1	05/03/22 15:41	D2E0050	DE20331
Dichlorodifluoromethane	ND (0.116)	0.0347	8260B		1	05/03/22 15:41	D2E0050	DE20331
Diethyl Ether	ND (0.116)	0.0347	8260B		1	05/03/22 15:41	D2E0050	DE20331
Di-isopropyl ether	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
Ethyl tertiary-butyl ether	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
Ethylbenzene	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
Hexachlorobutadiene	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
Isopropylbenzene	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
Methyl tert-Butyl Ether	ND (0.116)	0.0347	8260B		1	05/03/22 15:41	D2E0050	DE20331
Methylene Chloride	**B, J 0.0393** (0.231)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
Naphthalene	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
n-Butylbenzene	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
n-Propylbenzene	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
sec-Butylbenzene	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
Styrene	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
tert-Butylbenzene	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
Tertiary-amyl methyl ether	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
Tetrachloroethene	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
Tetrahydrofuran	ND (0.578)	0.185	8260B		1	05/03/22 15:41	D2E0050	DE20331

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP04292022-2
Date Sampled: 04/29/22 11:49
Percent Solids: 98
Initial Volume: 27.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 22D1200
ESS Laboratory Sample ID: 22D1200-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Toluene	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
trans-1,2-Dichloroethene	ND (0.116)	0.0347	8260B		1	05/03/22 15:41	D2E0050	DE20331
trans-1,3-Dichloropropene	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
Trichloroethene	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
Trichlorofluoromethane	ND (0.116)	0.0462	8260B		1	05/03/22 15:41	D2E0050	DE20331
Vinyl Acetate	ND (0.116)	0.0578	8260B		1	05/03/22 15:41	D2E0050	DE20331
Vinyl Chloride	ND (0.116)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
Xylene O	ND (0.116)	0.0116	8260B		1	05/03/22 15:41	D2E0050	DE20331
Xylene P,M	ND (0.231)	0.0231	8260B		1	05/03/22 15:41	D2E0050	DE20331
Xylenes (Total)	ND (0.231)		8260B		1	05/03/22 15:41		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*104 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*111 %*		*70-130*
Surrogate: Dibromofluoromethane	*107 %*		*70-130*
Surrogate: Toluene-d8	*108 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP04292022-2
Date Sampled: 04/29/22 11:49
Percent Solids: 98
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 22D1200
ESS Laboratory Sample ID: 22D1200-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TLW
Prepared: 4/29/22 18:05

8100M Total Petroleum Hydrocarbons

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Total Petroleum Hydrocarbons	**62.4** (38.1)		8100M		1	05/03/22 4:26	D2E0041	DD22946

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*77 %*		*40-140*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP04292022-2
Date Sampled: 04/29/22 11:49
Percent Solids: 98
Initial Volume: 15.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22D1200
ESS Laboratory Sample ID: 22D1200-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/29/22 18:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
1,1-Biphenyl	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
1,2,4-Trichlorobenzene	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
1,2-Dichlorobenzene	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
1,3-Dichlorobenzene	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
1,4-Dichlorobenzene	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
2,3,4,6-Tetrachlorophenol	ND (1.65)		8270D		1	05/03/22 1:39	D2E0018	DD22945
2,4,5-Trichlorophenol	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
2,4,6-Trichlorophenol	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
2,4-Dichlorophenol	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
2,4-Dimethylphenol	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
2,4-Dinitrophenol	ND (1.65)		8270D		1	05/03/22 1:39	D2E0018	DD22945
2,4-Dinitrotoluene	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
2,6-Dinitrotoluene	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
2-Chloronaphthalene	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
2-Chlorophenol	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
2-Methylnaphthalene	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
2-Methylphenol	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
2-Nitroaniline	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
2-Nitrophenol	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
3,3´-Dichlorobenzidine	ND (0.660)		8270D		1	05/03/22 1:39	D2E0018	DD22945
3+4-Methylphenol	ND (0.660)		8270D		1	05/03/22 1:39	D2E0018	DD22945
3-Nitroaniline	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
4,6-Dinitro-2-Methylphenol	ND (1.65)		8270D		1	05/03/22 1:39	D2E0018	DD22945
4-Bromophenyl-phenylether	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
4-Chloro-3-Methylphenol	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
4-Chloroaniline	ND (0.660)		8270D		1	05/03/22 1:39	D2E0018	DD22945
4-Chloro-phenyl-phenyl ether	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
4-Nitroaniline	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
4-Nitrophenol	ND (1.65)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Acenaphthene	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Acenaphthylene	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Acetophenone	ND (0.660)		8270D		1	05/03/22 1:39	D2E0018	DD22945

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP04292022-2
Date Sampled: 04/29/22 11:49
Percent Solids: 98
Initial Volume: 15.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22D1200
ESS Laboratory Sample ID: 22D1200-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/29/22 18:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Aniline	ND (0.660)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Anthracene	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Azobenzene	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Benzo(a)anthracene	**0.522** (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Benzo(a)pyrene	**0.546** (0.165)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Benzo(b)fluoranthene	**0.612** (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Benzo(g,h,i)perylene	**0.341** (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Benzo(k)fluoranthene	**0.529** (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Benzoic Acid	ND (1.65)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Benzyl Alcohol	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
bis(2-Chloroethoxy)methane	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
bis(2-Chloroethyl)ether	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
bis(2-chloroisopropyl)Ether	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
bis(2-Ethylhexyl)phthalate	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Butylbenzylphthalate	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Carbazole	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Chrysene	**0.717** (0.165)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Dibenzo(a,h)Anthracene	ND (0.165)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Dibenzofuran	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Diethylphthalate	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Dimethylphthalate	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Di-n-butylphthalate	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Di-n-octylphthalate	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Fluoranthene	**1.41** (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Fluorene	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Hexachlorobenzene	ND (0.165)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Hexachlorobutadiene	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Hexachlorocyclopentadiene	ND (1.65)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Hexachloroethane	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Indeno(1,2,3-cd)Pyrene	**0.469** (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Isophorone	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Naphthalene	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP04292022-2
Date Sampled: 04/29/22 11:49
Percent Solids: 98
Initial Volume: 15.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 22D1200
ESS Laboratory Sample ID: 22D1200-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: TJ
Prepared: 4/29/22 18:00

8270D Semi-Volatile Organic Compounds

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyzed	Sequence	Batch
Nitrobenzene	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
N-Nitrosodimethylamine	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
N-Nitroso-Di-n-Propylamine	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
N-nitrosodiphenylamine	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Pentachlorophenol	ND (1.65)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Phenanthrene	**0.655** (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Phenol	ND (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Pyrene	**1.05** (0.329)		8270D		1	05/03/22 1:39	D2E0018	DD22945
Pyridine	ND (1.65)		8270D		1	05/03/22 1:39	D2E0018	DD22945

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*81 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*102 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*88 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*82 %*		*30-130*
Surrogate: 2-Fluorophenol	*90 %*		*30-130*
Surrogate: Nitrobenzene-d5	*84 %*		*30-130*
Surrogate: Phenol-d6	*91 %*		*30-130*
Surrogate: p-Terphenyl-d14	*91 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP04292022-2
Date Sampled: 04/29/22 11:49
Percent Solids: 98

ESS Laboratory Work Order: 22D1200
ESS Laboratory Sample ID: 22D1200-02
Sample Matrix: Soil

Classical Chemistry

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Total Cyanide	ND (1.02)		9014		1	EEM	05/05/22 13:20	mg/kg dry	DE20525

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP
Client Sample ID: SP04292022-2
Date Sampled: 04/29/22 11:49
Percent Solids: 98
Initial Volume: 1
Final Volume: 1
Extraction Method: General Subbed Prep

ESS Laboratory Work Order: 22D1200
ESS Laboratory Sample ID: 22D1200-02
Sample Matrix: Soil

Analyst: SUB
Prepared: 5/4/22 0:00

Subcontracted Analysis

Analyte	Results (MRL)	MDL	Method	Limit	DF	Analyst	Analyzed	Units	Batch
Sulfur	**390** (100)		6010		1	SUB	05/04/22 0:00	mg/kg	DE21125

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 22D1200

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Total Metals										
Batch DE20223 - 3050B										
Blank										
Arsenic	ND	2.50	mg/kg wet							
Barium	ND	2.50	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.00	mg/kg wet							
Lead	ND	5.00	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Blank										
Selenium	ND	0.50	mg/kg wet							
LCS										
Arsenic	89.1	7.46	mg/kg wet	93.10		96	80-120			
Barium	672	7.46	mg/kg wet	690.0		97	80-120			
Cadmium	280	1.49	mg/kg wet	301.0		93	80-120			
Chromium	293	2.99	mg/kg wet	326.0		90	80-120			
Lead	191	14.9	mg/kg wet	192.0		99	80-120			
Silver	62.4	1.49	mg/kg wet	63.70		98	80-120			
LCS										
Selenium	268	7.46	mg/kg wet	270.0		99	80-120			
LCS Dup										
Arsenic	102	8.06	mg/kg wet	93.10		109	80-120	13	20	
Barium	697	8.06	mg/kg wet	690.0		101	80-120	4	20	
Cadmium	314	1.61	mg/kg wet	301.0		104	80-120	11	20	
Chromium	331	3.23	mg/kg wet	326.0		101	80-120	12	20	
Lead	219	16.1	mg/kg wet	192.0		114	80-120	14	20	
Silver	69.6	1.61	mg/kg wet	63.70		109	80-120	11	20	
LCS Dup										
Selenium	323	8.06	mg/kg wet	270.0		120	80-120	19	30	
Batch DE20224 - 3050B										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	22.9	3.00	mg/kg wet	22.10		103	80-120			
LCS Dup										
Mercury	23.6	2.96	mg/kg wet	22.10		107	80-120	3	20	
5035/8260B Volatile Organic Compounds / Methanol										
Batch DE20331 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,1-Trichloroethane	ND	0.200	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.200	mg/kg wet							
1,1,2-Trichloroethane	ND	0.200	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 22D1200

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DE20331 - 5035										
1,1-Dichloroethane	ND	0.200	mg/kg wet							
1,1-Dichloroethene	ND	0.200	mg/kg wet							
1,1-Dichloropropene	ND	0.200	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,3-Trichloropropane	ND	0.200	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.200	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.200	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	1.00	mg/kg wet							
1,2-Dibromoethane	ND	0.200	mg/kg wet							
1,2-Dichlorobenzene	ND	0.200	mg/kg wet							
1,2-Dichloroethane	ND	0.200	mg/kg wet							
1,2-Dichloropropane	ND	0.200	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.200	mg/kg wet							
1,3-Dichlorobenzene	ND	0.200	mg/kg wet							
1,3-Dichloropropane	ND	0.200	mg/kg wet							
1,4-Dichlorobenzene	ND	0.200	mg/kg wet							
1,4-Dioxane - Screen	ND	40.0	mg/kg wet							
1-Chlorohexane	ND	0.200	mg/kg wet							
2,2-Dichloropropane	ND	0.200	mg/kg wet							
2-Butanone	ND	1.00	mg/kg wet							
2-Chlorotoluene	ND	0.200	mg/kg wet							
2-Hexanone	ND	1.00	mg/kg wet							
4-Chlorotoluene	ND	0.200	mg/kg wet							
4-Isopropyltoluene	ND	0.200	mg/kg wet							
4-Methyl-2-Pentanone	ND	1.00	mg/kg wet							
Acetone	ND	1.00	mg/kg wet							
Benzene	ND	0.200	mg/kg wet							
Bromobenzene	ND	0.200	mg/kg wet							
Bromochloromethane	ND	0.200	mg/kg wet							
Bromodichloromethane	ND	0.200	mg/kg wet							
Bromoform	ND	0.200	mg/kg wet							
Bromomethane	ND	0.200	mg/kg wet							
Carbon Disulfide	ND	0.200	mg/kg wet							
Carbon Tetrachloride	ND	0.200	mg/kg wet							
Chlorobenzene	ND	0.200	mg/kg wet							
Chloroethane	ND	0.200	mg/kg wet							
Chloroform	ND	0.200	mg/kg wet							
Chloromethane	ND	0.200	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.200	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Dibromochloromethane	ND	0.200	mg/kg wet							
Dibromomethane	ND	0.200	mg/kg wet							
Dichlorodifluoromethane	ND	0.200	mg/kg wet							
Diethyl Ether	ND	0.200	mg/kg wet							
Di-isopropyl ether	ND	0.200	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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ESS Laboratory Work Order: 22D1200

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DE20331 - 5035										
Ethyl tertiary-butyl ether	ND	0.200	mg/kg wet							
Ethylbenzene	ND	0.200	mg/kg wet							
Hexachlorobutadiene	ND	0.200	mg/kg wet							
Isopropylbenzene	ND	0.200	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.200	mg/kg wet							
Methylene Chloride	0.116	0.400	mg/kg wet							J
Naphthalene	ND	0.200	mg/kg wet							
n-Butylbenzene	ND	0.200	mg/kg wet							
n-Propylbenzene	ND	0.200	mg/kg wet							
sec-Butylbenzene	ND	0.200	mg/kg wet							
Styrene	ND	0.200	mg/kg wet							
tert-Butylbenzene	ND	0.200	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.200	mg/kg wet							
Tetrachloroethene	ND	0.200	mg/kg wet							
Tetrahydrofuran	ND	1.00	mg/kg wet							
Toluene	ND	0.200	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.200	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.200	mg/kg wet							
Trichloroethene	ND	0.200	mg/kg wet							
Trichlorofluoromethane	ND	0.200	mg/kg wet							
Vinyl Acetate	ND	0.200	mg/kg wet							
Vinyl Chloride	ND	0.200	mg/kg wet							
Xylene O	ND	0.200	mg/kg wet							
Xylene P,M	ND	0.400	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*5.00*		mg/kg wet	*5.000*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.00*		mg/kg wet	*5.000*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*5.00*		mg/kg wet	*5.000*		*100*	*70-130*			
Surrogate: Toluene-d8	*5.00*		mg/kg wet	*5.000*		*100*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	1.93	0.200	mg/kg wet	2.000		96	70-130			
1,1,1-Trichloroethane	2.08	0.200	mg/kg wet	2.000		104	70-130			
1,1,2,2-Tetrachloroethane	2.00	0.200	mg/kg wet	2.000		100	70-130			
1,1,2-Trichloroethane	2.11	0.200	mg/kg wet	2.000		106	70-130			
1,1-Dichloroethane	2.22	0.200	mg/kg wet	2.000		111	70-130			
1,1-Dichloroethene	2.12	0.200	mg/kg wet	2.000		106	70-130			
1,1-Dichloropropene	2.12	0.200	mg/kg wet	2.000		106	70-130			
1,2,3-Trichlorobenzene	2.02	0.200	mg/kg wet	2.000		101	70-130			
1,2,3-Trichloropropane	2.00	0.200	mg/kg wet	2.000		100	70-130			
1,2,4-Trichlorobenzene	2.01	0.200	mg/kg wet	2.000		100	70-130			
1,2,4-Trimethylbenzene	2.01	0.200	mg/kg wet	2.000		100	70-130			
1,2-Dibromo-3-Chloropropane	1.88	1.00	mg/kg wet	2.000		94	70-130			
1,2-Dibromoethane	1.95	0.200	mg/kg wet	2.000		97	70-130			
1,2-Dichlorobenzene	1.95	0.200	mg/kg wet	2.000		97	70-130			
1,2-Dichloroethane	2.18	0.200	mg/kg wet	2.000		109	70-130			
1,2-Dichloropropane	2.14	0.200	mg/kg wet	2.000		107	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DE20331 - 5035										
1,3,5-Trimethylbenzene	2.07	0.200	mg/kg wet	2.000		103	70-130			
1,3-Dichlorobenzene	2.04	0.200	mg/kg wet	2.000		102	70-130			
1,3-Dichloropropane	2.04	0.200	mg/kg wet	2.000		102	70-130			
1,4-Dichlorobenzene	1.97	0.200	mg/kg wet	2.000		98	70-130			
1,4-Dioxane - Screen	93.7	40.0	mg/kg wet	40.00		234	44-241			
1-Chlorohexane	1.93	0.200	mg/kg wet	2.000		96	70-130			
2,2-Dichloropropane	2.15	0.200	mg/kg wet	2.000		108	70-130			
2-Butanone	11.5	1.00	mg/kg wet	10.00		115	70-130			
2-Chlorotoluene	2.10	0.200	mg/kg wet	2.000		105	70-130			
2-Hexanone	10.2	1.00	mg/kg wet	10.00		102	70-130			
4-Chlorotoluene	2.11	0.200	mg/kg wet	2.000		105	70-130			
4-Isopropyltoluene	2.00	0.200	mg/kg wet	2.000		100	70-130			
4-Methyl-2-Pentanone	10.9	1.00	mg/kg wet	10.00		109	70-130			
Acetone	11.9	1.00	mg/kg wet	10.00		119	70-130			
Benzene	2.13	0.200	mg/kg wet	2.000		107	70-130			
Bromobenzene	1.98	0.200	mg/kg wet	2.000		99	70-130			
Bromochloromethane	2.12	0.200	mg/kg wet	2.000		106	70-130			
Bromodichloromethane	2.24	0.200	mg/kg wet	2.000		112	70-130			
Bromoform	1.86	0.200	mg/kg wet	2.000		93	70-130			
Bromomethane	2.02	0.200	mg/kg wet	2.000		101	70-130			
Carbon Disulfide	2.32	0.200	mg/kg wet	2.000		116	70-130			
Carbon Tetrachloride	2.16	0.200	mg/kg wet	2.000		108	70-130			
Chlorobenzene	2.00	0.200	mg/kg wet	2.000		100	70-130			
Chloroethane	2.22	0.200	mg/kg wet	2.000		111	70-130			
Chloroform	2.13	0.200	mg/kg wet	2.000		106	70-130			
Chloromethane	2.02	0.200	mg/kg wet	2.000		101	70-130			
cis-1,2-Dichloroethene	2.11	0.200	mg/kg wet	2.000		106	70-130			
cis-1,3-Dichloropropene	2.16	0.200	mg/kg wet	2.000		108	70-130			
Dibromochloromethane	1.98	0.200	mg/kg wet	2.000		99	70-130			
Dibromomethane	2.13	0.200	mg/kg wet	2.000		107	70-130			
Dichlorodifluoromethane	2.04	0.200	mg/kg wet	2.000		102	70-130			
Diethyl Ether	2.30	0.200	mg/kg wet	2.000		115	70-130			
Di-isopropyl ether	2.20	0.200	mg/kg wet	2.000		110	70-130			
Ethyl tertiary-butyl ether	2.20	0.200	mg/kg wet	2.000		110	70-130			
Ethylbenzene	2.02	0.200	mg/kg wet	2.000		101	70-130			
Hexachlorobutadiene	2.15	0.200	mg/kg wet	2.000		107	70-130			
Isopropylbenzene	2.07	0.200	mg/kg wet	2.000		104	70-130			
Methyl tert-Butyl Ether	2.18	0.200	mg/kg wet	2.000		109	70-130			
Methylene Chloride	2.16	0.400	mg/kg wet	2.000		108	70-130			
Naphthalene	1.92	0.200	mg/kg wet	2.000		96	70-130			
n-Butylbenzene	2.04	0.200	mg/kg wet	2.000		102	70-130			
n-Propylbenzene	2.00	0.200	mg/kg wet	2.000		100	70-130			
sec-Butylbenzene	1.98	0.200	mg/kg wet	2.000		99	70-130			
Styrene	1.90	0.200	mg/kg wet	2.000		95	70-130			
tert-Butylbenzene	2.04	0.200	mg/kg wet	2.000		102	70-130			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DE20331 - 5035										
Tertiary-amyl methyl ether	2.21	0.200	mg/kg wet	2.000		110	70-130			
Tetrachloroethene	1.81	0.200	mg/kg wet	2.000		91	70-130			
Tetrahydrofuran	2.12	1.00	mg/kg wet	2.000		106	70-130			
Toluene	2.16	0.200	mg/kg wet	2.000		108	70-130			
trans-1,2-Dichloroethene	2.22	0.200	mg/kg wet	2.000		111	70-130			
trans-1,3-Dichloropropene	1.99	0.200	mg/kg wet	2.000		100	70-130			
Trichloroethene	2.04	0.200	mg/kg wet	2.000		102	70-130			
Trichlorofluoromethane	2.20	0.200	mg/kg wet	2.000		110	70-130			
Vinyl Acetate	2.16	0.200	mg/kg wet	2.000		108	70-130			
Vinyl Chloride	2.32	0.200	mg/kg wet	2.000		116	70-130			
Xylene O	2.01	0.200	mg/kg wet	2.000		100	70-130			
Xylene P,M	4.15	0.400	mg/kg wet	4.000		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	*5.63*		mg/kg wet	*5.000*		*113*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.05*		mg/kg wet	*5.000*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*5.39*		mg/kg wet	*5.000*		*108*	*70-130*			
Surrogate: Toluene-d8	*4.86*		mg/kg wet	*5.000*		*97*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	1.99	0.200	mg/kg wet	2.000		99	70-130	3	25	
1,1,1-Trichloroethane	2.03	0.200	mg/kg wet	2.000		102	70-130	2	25	
1,1,2,2-Tetrachloroethane	1.95	0.200	mg/kg wet	2.000		97	70-130	3	25	
1,1,2-Trichloroethane	2.09	0.200	mg/kg wet	2.000		105	70-130	1	25	
1,1-Dichloroethane	2.19	0.200	mg/kg wet	2.000		109	70-130	1	25	
1,1-Dichloroethene	2.12	0.200	mg/kg wet	2.000		106	70-130	0	25	
1,1-Dichloropropene	2.11	0.200	mg/kg wet	2.000		105	70-130	0.4	25	
1,2,3-Trichlorobenzene	1.82	0.200	mg/kg wet	2.000		91	70-130	10	25	
1,2,3-Trichloropropane	1.87	0.200	mg/kg wet	2.000		93	70-130	7	25	
1,2,4-Trichlorobenzene	2.03	0.200	mg/kg wet	2.000		102	70-130	1	25	
1,2,4-Trimethylbenzene	2.03	0.200	mg/kg wet	2.000		102	70-130	1	25	
1,2-Dibromo-3-Chloropropane	1.78	1.00	mg/kg wet	2.000		89	70-130	5	25	
1,2-Dibromoethane	1.94	0.200	mg/kg wet	2.000		97	70-130	0.1	25	
1,2-Dichlorobenzene	2.06	0.200	mg/kg wet	2.000		103	70-130	5	25	
1,2-Dichloroethane	2.22	0.200	mg/kg wet	2.000		111	70-130	2	25	
1,2-Dichloropropane	2.11	0.200	mg/kg wet	2.000		106	70-130	1	25	
1,3,5-Trimethylbenzene	2.05	0.200	mg/kg wet	2.000		102	70-130	0.9	25	
1,3-Dichlorobenzene	1.98	0.200	mg/kg wet	2.000		99	70-130	3	25	
1,3-Dichloropropane	2.11	0.200	mg/kg wet	2.000		105	70-130	3	25	
1,4-Dichlorobenzene	1.94	0.200	mg/kg wet	2.000		97	70-130	1	25	
1,4-Dioxane - Screen	67.6	40.0	mg/kg wet	40.00		169	44-241	32	200	
1-Chlorohexane	1.97	0.200	mg/kg wet	2.000		98	70-130	2	25	
2,2-Dichloropropane	2.21	0.200	mg/kg wet	2.000		110	70-130	3	25	
2-Butanone	11.4	1.00	mg/kg wet	10.00		114	70-130	0.7	25	
2-Chlorotoluene	2.09	0.200	mg/kg wet	2.000		105	70-130	0.2	25	
2-Hexanone	10.1	1.00	mg/kg wet	10.00		101	70-130	1	25	
4-Chlorotoluene	2.06	0.200	mg/kg wet	2.000		103	70-130	2	25	
4-Isopropyltoluene	2.03	0.200	mg/kg wet	2.000		102	70-130	1	25	

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DE20331 - 5035										
4-Methyl-2-Pentanone	10.3	1.00	mg/kg wet	10.00		103	70-130	6	25	
Acetone	11.9	1.00	mg/kg wet	10.00		119	70-130	0.1	25	
Benzene	2.15	0.200	mg/kg wet	2.000		108	70-130	0.8	25	
Bromobenzene	1.97	0.200	mg/kg wet	2.000		98	70-130	0.9	25	
Bromochloromethane	2.15	0.200	mg/kg wet	2.000		107	70-130	1	25	
Bromodichloromethane	2.30	0.200	mg/kg wet	2.000		115	70-130	3	25	
Bromoform	1.89	0.200	mg/kg wet	2.000		95	70-130	2	25	
Bromomethane	1.99	0.200	mg/kg wet	2.000		99	70-130	1	25	
Carbon Disulfide	2.30	0.200	mg/kg wet	2.000		115	70-130	0.9	25	
Carbon Tetrachloride	2.15	0.200	mg/kg wet	2.000		108	70-130	0.2	25	
Chlorobenzene	2.02	0.200	mg/kg wet	2.000		101	70-130	1	25	
Chloroethane	2.30	0.200	mg/kg wet	2.000		115	70-130	3	25	
Chloroform	2.20	0.200	mg/kg wet	2.000		110	70-130	3	25	
Chloromethane	2.14	0.200	mg/kg wet	2.000		107	70-130	5	25	
cis-1,2-Dichloroethene	2.07	0.200	mg/kg wet	2.000		104	70-130	2	25	
cis-1,3-Dichloropropene	2.18	0.200	mg/kg wet	2.000		109	70-130	1	25	
Dibromochloromethane	2.08	0.200	mg/kg wet	2.000		104	70-130	5	25	
Dibromomethane	2.06	0.200	mg/kg wet	2.000		103	70-130	3	25	
Dichlorodifluoromethane	2.03	0.200	mg/kg wet	2.000		101	70-130	0.8	25	
Diethyl Ether	2.25	0.200	mg/kg wet	2.000		112	70-130	2	25	
Di-isopropyl ether	2.29	0.200	mg/kg wet	2.000		115	70-130	4	25	
Ethyl tertiary-butyl ether	2.22	0.200	mg/kg wet	2.000		111	70-130	0.7	25	
Ethylbenzene	2.02	0.200	mg/kg wet	2.000		101	70-130	0.4	25	
Hexachlorobutadiene	2.16	0.200	mg/kg wet	2.000		108	70-130	0.5	25	
Isopropylbenzene	2.02	0.200	mg/kg wet	2.000		101	70-130	2	25	
Methyl tert-Butyl Ether	2.16	0.200	mg/kg wet	2.000		108	70-130	1	25	
Methylene Chloride	2.10	0.400	mg/kg wet	2.000		105	70-130	3	25	
Naphthalene	1.81	0.200	mg/kg wet	2.000		91	70-130	6	25	
n-Butylbenzene	2.02	0.200	mg/kg wet	2.000		101	70-130	0.7	25	
n-Propylbenzene	2.03	0.200	mg/kg wet	2.000		101	70-130	1	25	
sec-Butylbenzene	2.00	0.200	mg/kg wet	2.000		100	70-130	1	25	
Styrene	1.96	0.200	mg/kg wet	2.000		98	70-130	3	25	
tert-Butylbenzene	2.06	0.200	mg/kg wet	2.000		103	70-130	1	25	
Tertiary-amyl methyl ether	2.14	0.200	mg/kg wet	2.000		107	70-130	3	25	
Tetrachloroethene	1.86	0.200	mg/kg wet	2.000		93	70-130	3	25	
Tetrahydrofuran	2.08	1.00	mg/kg wet	2.000		104	70-130	2	25	
Toluene	2.17	0.200	mg/kg wet	2.000		109	70-130	0.5	25	
trans-1,2-Dichloroethene	2.20	0.200	mg/kg wet	2.000		110	70-130	1	25	
trans-1,3-Dichloropropene	2.01	0.200	mg/kg wet	2.000		101	70-130	1	25	
Trichloroethene	2.02	0.200	mg/kg wet	2.000		101	70-130	0.8	25	
Trichlorofluoromethane	2.19	0.200	mg/kg wet	2.000		109	70-130	0.6	25	
Vinyl Acetate	2.07	0.200	mg/kg wet	2.000		104	70-130	4	25	
Vinyl Chloride	2.23	0.200	mg/kg wet	2.000		112	70-130	4	25	
Xylene O	1.98	0.200	mg/kg wet	2.000		99	70-130	1	25	
Xylene P,M	4.15	0.400	mg/kg wet	4.000		104	70-130	0	25	

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Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch DE20331 - 5035										
Surrogate: 1,2-Dichloroethane-d4	*5.51*		mg/kg wet	*5.000*		*110*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.07*		mg/kg wet	*5.000*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*5.37*		mg/kg wet	*5.000*		*107*	*70-130*			
Surrogate: Toluene-d8	*5.06*		mg/kg wet	*5.000*		*101*	*70-130*			
8100M Total Petroleum Hydrocarbons										
Batch DD22946 - 3546										
Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							
Surrogate: O-Terphenyl	*4.19*		mg/kg wet	*5.000*		*84*	*40-140*			
LCS										
Decane (C10)	1.9	0.2	mg/kg wet	2.500		76	40-140			
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		90	40-140			
Dodecane (C12)	1.9	0.2	mg/kg wet	2.500		74	40-140			
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		91	40-140			
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Nonadecane (C19)	2.1	0.2	mg/kg wet	2.500		86	40-140			
Nonane (C9)	1.8	0.2	mg/kg wet	2.500		71	30-140			
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		89	40-140			
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		86	40-140			
Tetracosane (C24)	2.0	0.2	mg/kg wet	2.500		82	40-140			
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		79	40-140			
Total Petroleum Hydrocarbons	27.1	37.5	mg/kg wet	35.00		77	40-140			
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Surrogate: O-Terphenyl	*4.45*		mg/kg wet	*5.000*		*89*	*40-140*			
LCS Dup										
Decane (C10)	2.0	0.2	mg/kg wet	2.500		78	40-140	3	25	
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		89	40-140	0.5	25	

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8100M Total Petroleum Hydrocarbons										
Batch DD22946 - 3546										
Dodecane (C12)	1.9	0.2	mg/kg wet	2.500		77	40-140	4	25	
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		88	40-140	0.3	25	
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		91	40-140	0.2	25	
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		85	40-140	1	25	
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		86	40-140	0.6	25	
Nonane (C9)	1.9	0.2	mg/kg wet	2.500		75	30-140	5	25	
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		89	40-140	0.5	25	
Octadecane (C18)	2.2	0.2	mg/kg wet	2.500		87	40-140	0.5	25	
Tetracosane (C24)	2.0	0.2	mg/kg wet	2.500		82	40-140	0.2	25	
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		81	40-140	3	25	
Total Petroleum Hydrocarbons	26.9	37.5	mg/kg wet	35.00		77	40-140	0.5	25	
Triacontane (C30)	2.2	0.2	mg/kg wet	2.500		87	40-140	0.5	25	
Surrogate: O-Terphenyl	*4.39*		mg/kg wet	*5.000*		*88*	*40-140*			
8270D Semi-Volatile Organic Compounds										
Batch DD22945 - 3546										
Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.333	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 22D1200

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD22945 - 3546										
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.167	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD22945 - 3546										
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.35*		mg/kg wet	*3.333*		*71*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.72*		mg/kg wet	*5.000*		*94*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.80*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.45*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*4.03*		mg/kg wet	*5.000*		*81*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.44*		mg/kg wet	*3.333*		*73*	*30-130*			
Surrogate: Phenol-d6	*3.92*		mg/kg wet	*5.000*		*78*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.39*		mg/kg wet	*3.333*		*102*	*30-130*			
LCS										
1,1-Biphenyl	2.01	0.333	mg/kg wet	3.333		60	40-140			
1,2,4-Trichlorobenzene	2.05	0.333	mg/kg wet	3.333		61	40-140			
1,2-Dichlorobenzene	1.96	0.333	mg/kg wet	3.333		59	40-140			
1,3-Dichlorobenzene	1.88	0.333	mg/kg wet	3.333		56	40-140			
1,4-Dichlorobenzene	1.90	0.333	mg/kg wet	3.333		57	40-140			
2,3,4,6-Tetrachlorophenol	2.58	1.67	mg/kg wet	3.333		77	30-130			
2,4,5-Trichlorophenol	2.72	0.333	mg/kg wet	3.333		82	30-130			
2,4,6-Trichlorophenol	2.58	0.333	mg/kg wet	3.333		77	30-130			
2,4-Dichlorophenol	2.29	0.333	mg/kg wet	3.333		69	30-130			
2,4-Dimethylphenol	2.50	0.333	mg/kg wet	3.333		75	30-130			
2,4-Dinitrophenol	1.96	1.67	mg/kg wet	3.333		59	30-130			
2,4-Dinitrotoluene	2.81	0.333	mg/kg wet	3.333		84	40-140			
2,6-Dinitrotoluene	2.51	0.333	mg/kg wet	3.333		75	40-140			
2-Chloronaphthalene	2.09	0.333	mg/kg wet	3.333		63	40-140			
2-Chlorophenol	2.18	0.333	mg/kg wet	3.333		65	30-130			
2-Methylnaphthalene	2.14	0.333	mg/kg wet	3.333		64	40-140			
2-Methylphenol	2.18	0.333	mg/kg wet	3.333		65	30-130			
2-Nitroaniline	2.53	0.333	mg/kg wet	3.333		76	40-140			
2-Nitrophenol	2.23	0.333	mg/kg wet	3.333		67	30-130			
3,3´-Dichlorobenzidine	2.24	0.333	mg/kg wet	3.333		67	40-140			
3+4-Methylphenol	4.56	0.667	mg/kg wet	6.667		68	30-130			
3-Nitroaniline	2.46	0.333	mg/kg wet	3.333		74	40-140			
4,6-Dinitro-2-Methylphenol	2.75	1.67	mg/kg wet	3.333		82	30-130			
4-Bromophenyl-phenylether	2.57	0.333	mg/kg wet	3.333		77	40-140			
4-Chloro-3-Methylphenol	2.48	0.333	mg/kg wet	3.333		74	30-130			
4-Chloroaniline	1.59	0.667	mg/kg wet	3.333		48	40-140			
4-Chloro-phenyl-phenyl ether	2.27	0.333	mg/kg wet	3.333		68	40-140			
4-Nitroaniline	2.88	0.333	mg/kg wet	3.333		86	40-140			
4-Nitrophenol	2.75	1.67	mg/kg wet	3.333		83	30-130			
Acenaphthene	2.18	0.333	mg/kg wet	3.333		65	40-140			
Acenaphthylene	2.22	0.333	mg/kg wet	3.333		67	40-140			
Acetophenone	2.08	0.667	mg/kg wet	3.333		62	40-140			
Aniline	1.26	0.667	mg/kg wet	3.333		38	40-140			B-
Anthracene	2.50	0.333	mg/kg wet	3.333		75	40-140			
Azobenzene	2.44	0.333	mg/kg wet	3.333		73	40-140			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 22D1200

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD22945 - 3546										
Benzo(a)anthracene	2.71	0.333	mg/kg wet	3.333		81	40-140			
Benzo(a)pyrene	2.80	0.167	mg/kg wet	3.333		84	40-140			
Benzo(b)fluoranthene	2.75	0.333	mg/kg wet	3.333		82	40-140			
Benzo(g,h,i)perylene	2.75	0.333	mg/kg wet	3.333		83	40-140			
Benzo(k)fluoranthene	2.90	0.333	mg/kg wet	3.333		87	40-140			
Benzoic Acid	2.72	1.67	mg/kg wet	3.333		82	40-140			
Benzyl Alcohol	1.61	0.333	mg/kg wet	3.333		48	40-140			
bis(2-Chloroethoxy)methane	2.15	0.333	mg/kg wet	3.333		64	40-140			
bis(2-Chloroethyl)ether	1.99	0.167	mg/kg wet	3.333		60	40-140			
bis(2-chloroisopropyl)Ether	2.04	0.333	mg/kg wet	3.333		61	40-140			
bis(2-Ethylhexyl)phthalate	2.88	0.333	mg/kg wet	3.333		86	40-140			
Butylbenzylphthalate	2.78	0.333	mg/kg wet	3.333		83	40-140			
Carbazole	2.84	0.333	mg/kg wet	3.333		85	40-140			
Chrysene	2.78	0.167	mg/kg wet	3.333		84	40-140			
Dibenzo(a,h)Anthracene	2.81	0.167	mg/kg wet	3.333		84	40-140			
Dibenzofuran	2.25	0.333	mg/kg wet	3.333		68	40-140			
Diethylphthalate	2.75	0.333	mg/kg wet	3.333		82	40-140			
Dimethylphthalate	2.50	0.333	mg/kg wet	3.333		75	40-140			
Di-n-butylphthalate	3.02	0.333	mg/kg wet	3.333		90	40-140			
Di-n-octylphthalate	3.02	0.333	mg/kg wet	3.333		90	40-140			
Fluoranthene	2.81	0.333	mg/kg wet	3.333		84	40-140			
Fluorene	2.40	0.333	mg/kg wet	3.333		72	40-140			
Hexachlorobenzene	2.50	0.167	mg/kg wet	3.333		75	40-140			
Hexachlorobutadiene	1.90	0.333	mg/kg wet	3.333		57	40-140			
Hexachlorocyclopentadiene	1.85	1.67	mg/kg wet	3.333		56	40-140			
Hexachloroethane	2.05	0.333	mg/kg wet	3.333		62	40-140			
Indeno(1,2,3-cd)Pyrene	2.77	0.333	mg/kg wet	3.333		83	40-140			
Isophorone	2.05	0.333	mg/kg wet	3.333		61	40-140			
Naphthalene	2.02	0.333	mg/kg wet	3.333		61	40-140			
Nitrobenzene	2.06	0.333	mg/kg wet	3.333		62	40-140			
N-Nitrosodimethylamine	1.82	0.333	mg/kg wet	3.333		55	40-140			
N-Nitroso-Di-n-Propylamine	2.24	0.333	mg/kg wet	3.333		67	40-140			
N-nitrosodiphenylamine	2.60	0.333	mg/kg wet	3.333		78	40-140			
Pentachlorophenol	3.12	1.67	mg/kg wet	3.333		94	30-130			
Phenanthrene	2.53	0.333	mg/kg wet	3.333		76	40-140			
Phenol	2.18	0.333	mg/kg wet	3.333		65	30-130			
Pyrene	2.72	0.333	mg/kg wet	3.333		82	40-140			
Pyridine	1.52	1.67	mg/kg wet	3.333		46	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.08*		mg/kg wet	*3.333*		*62*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.49*		mg/kg wet	*5.000*		*90*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.40*		mg/kg wet	*5.000*		*68*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.30*		mg/kg wet	*3.333*		*69*	*30-130*			
Surrogate: 2-Fluorophenol	*3.43*		mg/kg wet	*5.000*		*69*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.24*		mg/kg wet	*3.333*		*67*	*30-130*			
Surrogate: Phenol-d6	*3.50*		mg/kg wet	*5.000*		*70*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.94*		mg/kg wet	*3.333*		*88*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD22945 - 3546										
LCS Dup										
1,1-Biphenyl	2.26	0.333	mg/kg wet	3.333		68	40-140	12	30	
1,2,4-Trichlorobenzene	2.32	0.333	mg/kg wet	3.333		70	40-140	13	30	
1,2-Dichlorobenzene	2.28	0.333	mg/kg wet	3.333		69	40-140	16	30	
1,3-Dichlorobenzene	2.20	0.333	mg/kg wet	3.333		66	40-140	16	30	
1,4-Dichlorobenzene	2.26	0.333	mg/kg wet	3.333		68	40-140	17	30	
2,3,4,6-Tetrachlorophenol	2.85	1.67	mg/kg wet	3.333		85	30-130	10	30	
2,4,5-Trichlorophenol	3.15	0.333	mg/kg wet	3.333		95	30-130	15	30	
2,4,6-Trichlorophenol	2.86	0.333	mg/kg wet	3.333		86	30-130	10	30	
2,4-Dichlorophenol	2.59	0.333	mg/kg wet	3.333		78	30-130	12	30	
2,4-Dimethylphenol	2.78	0.333	mg/kg wet	3.333		83	30-130	10	30	
2,4-Dinitrophenol	2.29	1.67	mg/kg wet	3.333		69	30-130	16	30	
2,4-Dinitrotoluene	3.11	0.333	mg/kg wet	3.333		93	40-140	10	30	
2,6-Dinitrotoluene	2.82	0.333	mg/kg wet	3.333		85	40-140	11	30	
2-Chloronaphthalene	2.32	0.333	mg/kg wet	3.333		70	40-140	11	30	
2-Chlorophenol	2.44	0.333	mg/kg wet	3.333		73	30-130	11	30	
2-Methylnaphthalene	2.37	0.333	mg/kg wet	3.333		71	40-140	10	30	
2-Methylphenol	2.45	0.333	mg/kg wet	3.333		74	30-130	12	30	
2-Nitroaniline	2.85	0.333	mg/kg wet	3.333		85	40-140	12	30	
2-Nitrophenol	2.48	0.333	mg/kg wet	3.333		74	30-130	11	30	
3,3´-Dichlorobenzidine	1.97	0.333	mg/kg wet	3.333		59	40-140	13	30	
3+4-Methylphenol	5.15	0.667	mg/kg wet	6.667		77	30-130	12	30	
3-Nitroaniline	2.38	0.333	mg/kg wet	3.333		71	40-140	4	30	
4,6-Dinitro-2-Methylphenol	3.13	1.67	mg/kg wet	3.333		94	30-130	13	30	
4-Bromophenyl-phenylether	2.89	0.333	mg/kg wet	3.333		87	40-140	12	30	
4-Chloro-3-Methylphenol	2.78	0.333	mg/kg wet	3.333		84	30-130	12	30	
4-Chloroaniline	1.43	0.667	mg/kg wet	3.333		43	40-140	11	30	
4-Chloro-phenyl-phenyl ether	2.57	0.333	mg/kg wet	3.333		77	40-140	12	30	
4-Nitroaniline	3.06	0.333	mg/kg wet	3.333		92	40-140	6	30	
4-Nitrophenol	2.98	1.67	mg/kg wet	3.333		89	30-130	8	30	
Acenaphthene	2.45	0.333	mg/kg wet	3.333		73	40-140	12	30	
Acenaphthylene	2.51	0.333	mg/kg wet	3.333		75	40-140	12	30	
Acetophenone	2.37	0.667	mg/kg wet	3.333		71	40-140	13	30	
Aniline	1.15	0.667	mg/kg wet	3.333		35	40-140	9	30	B-
Anthracene	2.79	0.333	mg/kg wet	3.333		84	40-140	11	30	
Azobenzene	2.77	0.333	mg/kg wet	3.333		83	40-140	12	30	
Benzo(a)anthracene	2.94	0.333	mg/kg wet	3.333		88	40-140	8	30	
Benzo(a)pyrene	3.02	0.167	mg/kg wet	3.333		91	40-140	8	30	
Benzo(b)fluoranthene	3.01	0.333	mg/kg wet	3.333		90	40-140	9	30	
Benzo(g,h,i)perylene	3.02	0.333	mg/kg wet	3.333		90	40-140	9	30	
Benzo(k)fluoranthene	3.12	0.333	mg/kg wet	3.333		93	40-140	7	30	
Benzoic Acid	3.03	1.67	mg/kg wet	3.333		91	40-140	11	30	
Benzyl Alcohol	1.66	0.333	mg/kg wet	3.333		50	40-140	3	30	
bis(2-Chloroethoxy)methane	2.36	0.333	mg/kg wet	3.333		71	40-140	10	30	
bis(2-Chloroethyl)ether	2.29	0.167	mg/kg wet	3.333		69	40-140	14	30	

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270D Semi-Volatile Organic Compounds										
Batch DD22945 - 3546										
bis(2-chloroisopropyl)Ether	2.26	0.333	mg/kg wet	3.333		68	40-140	10	30	
bis(2-Ethylhexyl)phthalate	3.07	0.333	mg/kg wet	3.333		92	40-140	6	30	
Butylbenzylphthalate	3.01	0.333	mg/kg wet	3.333		90	40-140	8	30	
Carbazole	3.10	0.333	mg/kg wet	3.333		93	40-140	9	30	
Chrysene	3.00	0.167	mg/kg wet	3.333		90	40-140	7	30	
Dibenzo(a,h)Anthracene	3.07	0.167	mg/kg wet	3.333		92	40-140	9	30	
Dibenzofuran	2.54	0.333	mg/kg wet	3.333		76	40-140	12	30	
Diethylphthalate	3.01	0.333	mg/kg wet	3.333		90	40-140	9	30	
Dimethylphthalate	2.84	0.333	mg/kg wet	3.333		85	40-140	13	30	
Di-n-butylphthalate	3.25	0.333	mg/kg wet	3.333		98	40-140	8	30	
Di-n-octylphthalate	3.22	0.333	mg/kg wet	3.333		97	40-140	7	30	
Fluoranthene	3.02	0.333	mg/kg wet	3.333		91	40-140	7	30	
Fluorene	2.74	0.333	mg/kg wet	3.333		82	40-140	13	30	
Hexachlorobenzene	2.78	0.167	mg/kg wet	3.333		83	40-140	11	30	
Hexachlorobutadiene	2.17	0.333	mg/kg wet	3.333		65	40-140	14	30	
Hexachlorocyclopentadiene	2.05	1.67	mg/kg wet	3.333		62	40-140	10	30	
Hexachloroethane	2.39	0.333	mg/kg wet	3.333		72	40-140	15	30	
Indeno(1,2,3-cd)Pyrene	3.05	0.333	mg/kg wet	3.333		91	40-140	10	30	
Isophorone	2.28	0.333	mg/kg wet	3.333		68	40-140	11	30	
Naphthalene	2.26	0.333	mg/kg wet	3.333		68	40-140	11	30	
Nitrobenzene	2.30	0.333	mg/kg wet	3.333		69	40-140	11	30	
N-Nitrosodimethylamine	2.16	0.333	mg/kg wet	3.333		65	40-140	17	30	
N-Nitroso-Di-n-Propylamine	2.52	0.333	mg/kg wet	3.333		76	40-140	12	30	
N-nitrosodiphenylamine	2.88	0.333	mg/kg wet	3.333		86	40-140	10	30	
Pentachlorophenol	3.43	1.67	mg/kg wet	3.333		103	30-130	9	30	
Phenanthrene	2.77	0.333	mg/kg wet	3.333		83	40-140	9	30	
Phenol	2.43	0.333	mg/kg wet	3.333		73	30-130	11	30	
Pyrene	2.96	0.333	mg/kg wet	3.333		89	40-140	9	30	
Pyridine	1.84	1.67	mg/kg wet	3.333		55	40-140	19	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.36*		mg/kg wet	*3.333*		*71*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.84*		mg/kg wet	*5.000*		*97*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*3.77*		mg/kg wet	*5.000*		*75*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.48*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*3.87*		mg/kg wet	*5.000*		*77*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.42*		mg/kg wet	*3.333*		*73*	*30-130*			
Surrogate: Phenol-d6	*3.82*		mg/kg wet	*5.000*		*76*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.06*		mg/kg wet	*3.333*		*92*	*30-130*			
Classical Chemistry										
Batch DE20525 - TCN Prep										
Blank										
Total Cyanide	ND	1.00	mg/kg wet							
LCS										
Total Cyanide	4.99	1.00	mg/kg wet	5.015		100	90-110			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 22D1200

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Classical Chemistry										
Batch DE20525 - TCN Prep										
Reference										
Total Cyanide	45.5	5.00	mg/kg wet	48.80		93	22.9-122.9			
Reference										
Total Cyanide	45.2	5.00	mg/kg wet	48.80		93	22.9-122.9			

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 22D1200

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression (Q).
J	Reported between MDL and MRL
ICV-	Initial Calibration Verification recovery is below lower control limit (ICV-).
D	Diluted.
CD+	Continuing Calibration %Diff/Drift is above control limit (CD+).
B-	Blank Spike recovery is below lower control limit (B-).
B	Present in Method Blank (B).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report
RL	Reporting Limit
EDL	Estimated Detection Limit
MF	Membrane Filtration
MPN	Most Probable Number
TNTC	Too numerous to Count
CFU	Colony Forming Units

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: FPLP

ESS Laboratory Work Order: 22D1200

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
http://www.health.ri.gov/find/labs/analytical/ESS.pdf

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml

Massachusetts Potable and Non Potable Water: M-RI002
http://public.dep.state.ma.us/Labcert/Labcert.aspx

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
http://www.wadsworth.org/labcert/elap/comm.html

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

Pennsylvania: 68-01752
http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx

Sterling Analytical, Inc.
15 Agawam Avenue
West Springfield, MA 01089
Phone (413) 214-6541 Fax (413) 214-6842

Visit our website: www.sterlinganalytical.com

Report Date May 5, 2022

Customer	Contact	Laboratory Supervisor	eMail
ESS Laboratory	S. Morrell	Dale Percoski	customerservice@sterlinganalytical.com

Sample Description
Analysis of Soil Samples

Samples Analyzed

Enclosed are Report No(s): 76750, 76751

*Results reported on 'Dry Basis'.

Sulfur Total Blank = <0.05ppm

LCS Lo Check 0.100 = 0.092ppm

ICV 1.00 = 1.006ppm

Thank you for your business

Dale Percoski

Dale Percoski, Laboratory Supervisor

5/5/2022

Date

ALL the information contained in this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method.
This report may not be reproduced, except in full, without written approval from Sterling Analytical, Inc.

Sample	Description	Source	Taken/Time	Received
76750	22D1200-01	ESS Laboratory	4/29/22 11:43	5/2/22

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	242	mg/kg	100.00	SW 846 6010	05/04/22	dfp

Sample	Description	Source	Taken/Time	Received
76751	22D1200-02	ESS Laboratory	4/29/22 11:43	5/2/22

Parameter	Results		RDL	Method	Analyzed/Time	Tech
Sulfur, Total	390	mg/kg	100.00	SW 846 6010	05/04/22	dfp

ESS Laboratory — Sterling — CHAIN OF CUSTODY

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

ESS Lab # 22D1200

Turn Time **DUE DATE: 5/6/22**

Regulatory State: MA **RI** CT NH NJ NY ME Other_____

Is this project for any of the following:(please circle)
MA-MCP Navy USACE CT DEP Other_____

Reporting Limits - _____

Electonic Deliverables Excel Access PDF

Co. Name	Project #	Project Name	PO #
ESS LABORATORY		22D1200	B03046

Contact Person: Shawn Morrell / Heather Masse
Address:
City: State: Zip:
Tel.
Email: Smorrell@thielsch.com; Hmasse@thielsch.com

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	Analysis: Total Sulfur 6010 mg/Kg
	4/29/22	1143	C	S	22D1200-01					X
	4/29/22	1149	C	S	22D1200-02					X

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present ✓ Yes ____ No

Seals Intact ____ Yes ____ No NA: ____

Cooler Temperature: _____

Internal Use Only
[ ] Pickup
[ ] Technician

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Sampled by :

Comments: **QC required MB and LCS**

Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
5/3/22 9:21	5/3/22 9:21	5/3/22 11:39	5-3-22 1139
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM-VIIA

Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy
2 (Yellow) Client Receipt

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

Shipped/Delivered Via: Client

ESS Project ID: 22D1200
Date Received: 4/29/2022
Project Due Date: 5/6/2022
Days for Project: 5 Day

1. Air bill manifest present? No
   Air No.: NA
2. Were custody seals present? No
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
   Temp: 4.9 Iced with: Ice
5. Was COC signed and dated by client? Yes
6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. Were labs informed about **short holds & rushes**? Yes / No / (NA)
10. Were any analyses received outside of hold time? Yes / (No)

11. Any Subcontracting needed? (Yes) / No
    ESS Sample IDs: **1--2**
    Analysis: **Sulfur**
    TAT: **5 day**
12. Were VOAs received? (Yes) / No
    a. Air bubbles in aqueous VOAs? Yes / No
    b. Does methanol cover soil completely? (Yes) / No / NA
13. Are the samples properly preserved? (Yes) / No
    a. If metals preserved upon receipt: Date: Time: By/Acid Lot#:
    b. Low Level VOA vials frozen: Date: Time: By:

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / (No)
    a. Was there a need to contact the client? Yes / No
    Who was contacted? Date: Time: By:

Resolution:

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
1	285891	Yes	N/A	Yes	VOA Vial	MeOH	
1	285893	Yes	N/A	Yes	8 oz jar	NP	
1	285894	Yes	N/A	Yes	8 oz jar	NP	
1	285897	Yes	N/A	Yes	4 oz. Jar	NP	
2	285892	Yes	N/A	Yes	VOA Vial	MeOH	
2	285895	Yes	N/A	Yes	8 oz jar	NP	
2	285896	Yes	N/A	Yes	8 oz jar	NP	
2	285898	Yes	N/A	Yes	Driller Jar	NP	

2nd Review

Were all containers scanned into storage/lab? Initials: (Yes) / No
Are barcode labels on correct containers? Yes / No / NA
Are all Flashpoint stickers attached/container ID # circled? Yes / No / NA
Are all Hex Chrome stickers attached? Yes / No / NA
Are all QC stickers attached? Yes / No / NA
Are VOA stickers attached if bubbles noted? Yes / No / NA

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Providence, RI - GZA/KPB

ESS Project ID: 22D1200

Date Received: 4/29/2022

Completed By: [signature]

Date & Time: 4/29/22 1703

Reviewed By: Taylor Davis

Date & Time: 4/29/22 1714.

185 Frances Avenue
Cranston, RI 02910
Phone: 401-461-7181
Fax: 401-461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 22D1200 | Page 1 of 1

Turn Time (Days) ☐ >5 ☒ 5 ☐ 4 ☐ 3 ☐ 2 ☐ 1 ☐ Same Day

Regulatory State: Criteria:

Is this project for any of the following?:

☐ CT RCP ☐ MA MCP ☐ RGP ☐ Permit ☐ 401 WQ

ELECTRONIC DELIVERABLES (Final Reports are PDF)

☐ Limit Checker ☐ State Forms ☐ EQuIS
☐ Excel ☐ State Upload ☐ Enviro Data
☐ CLP-Like Package ☐ Other (Specify) →

CLIENT INFORMATION

Client: GZA
Address: 100 VALLEY STREET
SUITE 300 PROVIDENCE RI
Phone: 401 421 4140
Email Distribution List: sara.havpt@gza.com

PROJECT INFORMATION

Project Name: FPLP
Project Location:
Project Number: 33554.04 TASK 6.2
Project Manager: SARA HAVPT
Bill to: 33554.04 TASK 6.2
PO#:
Quote#:

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

ESS Lab ID	Collection Date	Collection Time	Sample Type	Sample Matrix	Sample ID	VOC	SVOC	RCRA 8 Metals	TPH	Total Sulfur	Total Cyanide
1	4/29/22	11:43	C	Soil	SP042920222-1	X	X	X	X	X	X
2	4/29/22	11:49	C	Soil	SP042920222-2	X	X	X	X	X	X
Container Type:	AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial					J/V	J/V	J/V	J/V	J/V	J/V
Container Volume:	1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other*					7	10	10	10	10	10
Preservation Code:	1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other*					6	1	1	1	1	1

Sampled by : Anders Rondon

Chain needs to be filled out neatly and completely for on time delivery.

Laboratory Use Only

Cooler Temperature (°C): 4.9 / 1.2

Comments: * Please specify "Other" preservative and containers types in this space

All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration

☐ Lab Filter

Relinquished by (Signature)	Date	Time	Received by (Signature)	Relinquished by (Signature)	Date	Time	Received by (Signature)
	4/29/22	1620					
Relinquished by (Signature)	**Date**	**Time**	**Received by (Signature)**	**Relinquished by (Signature)**	**Date**	**Time**	**Received by (Signature)**

APPENDIX H

GROUNDWATER DISPOSAL BILLS OF LADING (BOLS)

M37168

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 8/1/2021
WORK ORDER NO. RI 2102465667-001

DOCUMENT NO. 0436766 **STRAIGHT BILL OF LADING** M580/STRV-2114

TRANSPORTER 1 ~~J P Noonan Transportation~~ VEHICLE ID #

EPA ID # ~~MA5085888028~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN:Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
	1		ANON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	4,000	Gallons
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-FPLP

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Christopher Guild Agent for Narragansett Electric		2-17-22
TRANSPORTER 1	PRINT Mike Burns	SIGN	DATE 2-17-22
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Lasky	SIGN	DATE 02/18/22

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

M37168

SC PPW 8/1/2021
WORK ORDER NO. RI 2102465667-001

DOCUMENT NO. 0436770 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 J P Noonan Transportation — VEHICLE ID # M-582

EPA ID # MA0085888026 — TRANS. 1 PHONE 800 922 8026

TRANSPORTER 2 — VEHICLE ID #

EPA ID # — TRANS. 2 PHONE

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
			A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.126781RIRB-FPLP

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER PRINT Christopher Gould Agent for Narragansett Electric	SIGN AGENT for JWEC	DATE 2-23-22
TRANSPORTER 1 PRINT RAYMOND WALL J.P. NOONAN TRANS	SIGN Raymond Wall	DATE 2-23-22
TRANSPORTER 2 PRINT	SIGN	DATE
RECEIVED BY PRINT Brian Leask	SIGN	DATE 02/24/22

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address : 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 8/1/2021
WORK ORDER NO. RI 2102465667-001

DOCUMENT NO. 0436774 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 ~~Clean Harbors Environmental Services, Inc.~~ VEHICLE ID # TRK# 3129

EPA ID # ~~MAD039322250~~ TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RID007918774		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	3793	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-FPLP
TANKS M37168 - M30375

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Christopher Gould AGENT FOR Narragansett Electric		03-02-22
TRANSPORTER 1	~~PRINT~~ Jacky Tomasso		3-2-22
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Leask	SIGN	DATE 08/02/22

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 8/1/2021

WORK ORDER NO 2102465667-001

DOCUMENT NO. 857541 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 I P Noonan Transportation VEHICLE ID # M580/STKT-2114

EPA ID # MA5085888026 TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN:Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RID007918774		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	5,000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H. Lic Plate # C185003 (ME)		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-FPLP

Tank # M30375

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Christopher Gould Agent for Narragansett Electric	Agent For TNEC	1/12/22
TRANSPORTER 1	Mike Burns	Mike Burns	1-12-22
TRANSPORTER 2	Paul Noonan	Paul Noonan	1-13-21
RECEIVED BY	Brian Leahy		01/13/22

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address :

SC PPW 8/1/2021

WORK ORDER NO 2102465667-001

DOCUMENT NO. 857541

STRAIGHT BILL OF LADING

TRANSPORTER 1 I P Noonan Transportation VEHICLE ID # M580/STK#2114

EPA ID # MA5085888026 TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY	SHIPPER
Clean Harbors Environmental Services, Inc.	ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	5,000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H. Lic Plate # C185003 (ME)		

SPECIAL HANDLING INSTRUCTIONS A.T26781RIRB-FPLP EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

Tank # M30375

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Christopher Gould Agent for Narragansett Electric	SIGN Agent For TNEC	DATE 1/12/22
TRANSPORTER 1	PRINT Mike Burns	SIGN Mike Burns	DATE 1-12-22
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

W.B.MASON CO. INC. 59 CENTRE ST. BROCKTON, MA 02303

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 8/1/2021

WORK ORDER NO. RI 2102465667-001

DOCUMENT NO. 0436761 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. **VEHICLE ID #** TRL#3129

EPA ID # MAD039322250 **TRANS. 1 PHONE** (781) 792-5000

TRANSPORTER 2 _____ **VEHICLE ID #** _____

EPA ID # _____ **TRANS. 2 PHONE** _____

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			ATTN:Susan Brochu Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672162			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
C01	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	3914	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-FPLP

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Christopher Gould AGENT FOR Narragansett EGC	AGENT FOR FNEC	2-14-22
TRANSPORTER 1	Jack Tomasso		2-14-22
TRANSPORTER 2			
RECEIVED BY			

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

VM 37168

SC PPW 8/1/2021

WORK ORDER NO. RI 2102465667-001

DOCUMENT NO. 0436770 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 J P Noonan Transportation VEHICLE ID # M 582

EPA ID # MA5085888026 TRANS. 1 PHONE 800 1178026

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
			A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.126781RIRB-FPLP

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Christopher Gould Asst for Narragansett Electric	[signature] Agent for TNEC	2-23-22
TRANSPORTER 1	Raymond Wall J.P. Noonan Tran	[signature]	2-23-22
TRANSPORTER 2			
RECEIVED BY			

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

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CHI 107

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 8/1/2021

WORK ORDER NO. RI 2102465667-001

DOCUMENT NO. 0436761 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # TRL#3129

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			ATTN:Susan Brochu Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	3914	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS A.T26781RIRB-FPLP EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Christopher Gould AGENT FOR Narragansett Elec.	SIGN AGENT FOR FNEC	DATE 2-14-22
TRANSPORTER 1	PRINT Lucky Tomasso	SIGN	DATE 2-14-22
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Least	SIGN	DATE 02/15/22

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019

WORK ORDER NO. 900522818-001

DOCUMENT NO. 0192379

STRAIGHT BILL OF LADING

TRANSPORTER 1 J P Noonan Transportation

VEHICLE ID # L930/STK 1709

EPA ID # MA5085888026

TRANS. 1 PHONE

TRANSPORTER 2

VEHICLE ID #

EPA ID #

TRANS. 2 PHONE

DESIGNATED FACILITY	SHIPPER ATTN: Susan Brochu
Clean Harbors Environmental Services, Inc.	Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Romery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	7,400	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	JIM DEWOLF #1315 AGENT FOR NARRAGANSETT ELECTRIC	#1015 AGENT FOR TNEC	
TRANSPORTER 1	Peter Chillars J.P. Noonan		06.17.2019
TRANSPORTER 2			
RECEIVED BY			

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CHI 107

Site Address: 642 Allens Avenue
Providence,RI 02905

SC PPW 3/12/2019

WORK ORDER NO. 900522818-001

DOCUMENT NO. 0192380

STRAIGHT BILL OF LADING

TRANSPORTER 1 J P Noonan Transportation — VEHICLE ID # L930/STK 17

EPA ID # MA5085888026 — TRANS. 1 PHONE

TRANSPORTER 2 — VEHICLE ID #

EPA ID # — TRANS. 2 PHONE

DESIGNATED FACILITY	SHIPPER ATTN:Susan Brochu
Clean Harbors Environmental Services, Inc.	Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	7,400	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

Weir Tank: A1336OT

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT #1215 AGENT FOR JIM DENOLF NARRAGANSETT ELECTRIC	SIGN #615 AGENT FOR TNEC	DATE
TRANSPORTER 1	PRINT Peter Chilton J P Noonan	SIGN	DATE 06.11.2019
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

CHL107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019

WORK ORDER NO. 900522818-001

DOCUMENT NO. 0192379

STRAIGHT BILL OF LADING

TRANSPORTER 1 J P Noonan Transportation

VEHICLE ID # L930/STK 1709

EPA ID # MA5085888026

TRANS. 1 PHONE

TRANSPORTER 2

VEHICLE ID #

EPA ID #

TRANS. 2 PHONE

DESIGNATED FACILITY	SHIPPER ATTN: Susan Brochu
Clean Harbors Environmental Services, Inc.	Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Romery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	7,400	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	JIM DEWOLF #1315 AGENT FOR NARRAGANSETT ELECTRIC	#1015 AGENT FOR TNEC	
TRANSPORTER 1	Peter Chillars J.P. Noonan		06.17.2019
TRANSPORTER 2			
RECEIVED BY			

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CHI 107

Site Address : 642 Allens Avenue
Providence,RI 02905

SC PPW 3/12/2019

WORK ORDER NO. 900522818-001

DOCUMENT NO. 0192381 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 J P Noonan Transportation VEHICLE ID #

EPA ID # MA5085888026 TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	7000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
~~A.T26781RIRB-RU~~

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT JIM DEWOLF #1215 AGENT FOR NARRAGANSETT ELECTRIC	SIGN JENDI #1215 AGENT FOR TNEC	DATE 6/18/19
TRANSPORTER 1	PRINT CAROL GUNTER	SIGN Carol Gunter	DATE 6-18-19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019

WORK ORDER NO. 1800522818-001

DOCUMENT NO. 0192387

STRAIGHT BILL OF LADING

TRANSPORTER 1 I P Noonan Transportation — VEHICLE ID # STK 1709

EPA ID # MA5085888026 — TRANS. 1 PHONE

TRANSPORTER 2 — VEHICLE ID #

EPA ID # — TRANS. 2 PHONE

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN: Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)		
			B.	G	8000
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

SPECIAL HANDLING INSTRUCTIONS

Weir Tank: YT 4870T

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim Dewaf Adis. Agent for Narragansett Elect.	Jim Dewaf Adis Agent for TNEC	
TRANSPORTER 1	Carole Gunter	Carole Gunter	6-24-17
TRANSPORTER 2			
RECEIVED BY			

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019

WORK ORDER NO. 9000522818-001

DOCUMENT NO. 0192385 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 I P Noonan Transportation — VEHICLE ID # _____

EPA ID # MA5085888026 — TRANS. 1 PHONE _____

TRANSPORTER 2 _____ — VEHICLE ID # _____

EPA ID # _____ — TRANS. 2 PHONE _____

DESIGNATED FACILITY				SHIPPER ATTN: Susan Brochu			
Clean Harbors Environmental Services, Inc.				Narragansett Electric Company			
FACILITY EPA ID #				SHIPPER EPA ID #			
MED980672182				RID007918774			
ADDRESS				ADDRESS			
37 Rumery Road				40 Sylvan Road			
CITY		STATE	ZIP	CITY		STATE	ZIP
South Portland		ME	04106	Waltham		MA	02451
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS			TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)			7500	G
			B.				
			C.				
			D.				
			E.				
			F.				
			G.				
			H.				

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3719 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	JIM DEWOLF #1215 AGENT FOR NARRAGANSETT ELEC.	J DEWOLF #1215 AGENT FOR TNEC	
TRANSPORTER 1	CAROLE GUNTER	Carole Gunter	6-19-19
TRANSPORTER 2			
RECEIVED BY			

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019

WORK ORDER NO. ~~RI 1900522818-001~~

DOCUMENT NO. 0192386

STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~J P Noonan Transportation~~ VEHICLE ID # 536/STK 1709

EPA ID # ~~MA5085888026~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 x 9000	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8,000	gallons
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU
Weir Tank A34870T

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim DeWolf #1215 Agent for Narragansett Elect	SIGN [signature] #1215 Agent for TNSC	DATE
TRANSPORTER 1	PRINT Peter Childers (J.P. Noonan)	SIGN [signature]	DATE 06-25-19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

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CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019
WORK ORDER NO. ~~RI 900522818-001~~

DOCUMENT NO. 0192384 STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~J P Noonan Transportation~~ VEHICLE ID # L914/STK-1759

EPA ID # ~~MA0085888026~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 x 9,000	T.T		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8,200	gallons
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU
Weir Tank (A418701)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	JIM DEWOLF #1215 AGENT FOR NARRAGANSETT ELECT.	#1215 AGENT FOR TNEC	
TRANSPORTER 1	Pete Chillas J.P. Noonan		06.27.2019
TRANSPORTER 2			
RECEIVED BY			

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

Load #2985339-0

SC PPW 3/12/2019

WORK ORDER NO. ~~RI 1900522818-001~~

DOCUMENT NO. 0192396

STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~J P Noonan Transportation~~ VEHICLE ID # L9141/57K-1709

EPA ID # ~~MA5085888026~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8,000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

A.T26781RIRB-RU

Weir Tank: A34870T

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim DeWolf #1215 AGENT FOR NARRAGANSETT ELECTRIC	SIGN [signature] #1215 AGENT FOR TNEC	DATE
TRANSPORTER 1	PRINT Peter Childers (J.P. Noonan)	SIGN [signature]	DATE 06-28-2019
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

CHI 107

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Site Address: 642 Allens Avenue
Providence,RI 02905

SC PPW 2/14/2019

WORK ORDER NO. ~~900522918 001~~

DOCUMENT NO. 858571 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 ~~I P Noonan Transportation~~ VEHICLE ID # 914/STK1709

EPA ID # ~~MA5095888026~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN:Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1X9000	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	7200	GALS
			B. 7200 GALS		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN		DATE
SHIPPER	JIM DEWOLF HIRIS AGENT FOR NARRAGANSETT ELECT.		HIRIS AGENT FOR TNEC	
TRANSPORTER 1	HAROLD GEISINGER - NOONAN	Harold Geisinger	NOONAN	02-28-19
TRANSPORTER 2	PRINT	SIGN		DATE
RECEIVED BY	PRINT	SIGN		DATE

4

CHI 107

Site Address : 642 Allens Avenue
Providence,RI 02905

SC PPW 7/12/2018

WORK ORDER NO. 900522818-001

DOCUMENT NO. 858533 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 2130

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	7,791	9
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 468-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim DeWolf #1215 AGENT FOR NARRAGANSETT ELECTRIC	SIGN #1215 AGENT FOR TNEC	DATE
TRANSPORTER 1	PRINT Richard Marchand	SIGN Richard Marchand	DATE 2-28-19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

CHI 107

Site Address: 642 Allens Avenue
Providence,RI 02905

SC PPW 2/14/2019

WORK ORDER NO. ~~900522918 001~~

DOCUMENT NO. 858571 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 ~~I P Noonan Transportation~~ VEHICLE ID # 914/STK1709

EPA ID # ~~MA5095888026~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN:Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1X9000	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	7200	GALS
			B. 7200 GALS		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN		DATE
SHIPPER	JIM DEWOLF HIRIS AGENT FOR NARRAGANSETT ELECT.		HIRIS AGENT FOR TNEC	
TRANSPORTER 1	HAROLD GEISINGER - NOONAN	Harold Geisinger	NOONAN	02-28-19
TRANSPORTER 2	PRINT	SIGN		DATE
RECEIVED BY	PRINT	SIGN		DATE

4

CHI 107

Site Address : 642 Allens Avenue
Providence,RI 02905

SC PPW 7/12/2018

WORK ORDER NO. 900522818-001

DOCUMENT NO. 858533 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 2130

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	7,791	9
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 468-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim DeWolf #1215 AGENT FOR NARRAGANSETT ELECTRIC	SIGN #1215 AGENT FOR TNEC	DATE
TRANSPORTER 1	PRINT Richard Marchand	SIGN Richard Marchand	DATE 2-28-19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

CHI 107

Site Address 642 Allens Avenue
Providence RI 02905

SCPPW 2/14-2019

WORK ORDER NO. 9005228[illegible]

DOCUMENT NO. 858567 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 2130

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			ATTN: Susan Brochu Narragansett Electric Company		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RID007918774		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	7,791	9
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
AT25781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT J. [illegible] H1315 Agent for Fidelity Management Right.	SIGN J. [illegible] GWU H1315 Agent for TNEC	DATE
TRANSPORTER 1	PRINT Richard Pilchard	SIGN [signature]	DATE 3-1-19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY			

4

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 2/14/2019

WORK ORDER NO. 400522818-001

DOCUMENT NO. 858572 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 I P Noonan Transportation VEHICLE ID #

EPA ID # MA5085888026 TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY				SHIPPER ATTN: Susan Brochu			
Clean Harbors Environmental Services, Inc.				Narragansett Electric Company			
FACILITY EPA ID #				SHIPPER EPA ID #			
MED980672182				RID007918774			
ADDRESS				ADDRESS			
37 Rumery Road				40 Sylvan Road			
CITY		STATE	ZIP	CITY		STATE	ZIP
South Portland		ME	04106	Waltham		MA	02451
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS			TOTAL QUANTITY	UNIT WT/VOL
1x [illegible]	T		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)			8300	G
			B. 8300 gal				
			C.				
			D.				
			E.				
			F.				
			G.				
			H.				

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT #1215 AGENT FOR G WOLF NARRAGANSETT ELECTRIC	SIGN 2ND #1215 AGENT FOR TNEC	DATE
TRANSPORTER 1	PRINT [illegible]	SIGN [illegible]	DATE
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

Site Address 642 Allens Avenue
Providence, RI 02905

SC PPW 2/14/2019

WORK ORDER NO. RI-900522818-001

DOCUMENT NO. 858569

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 7150

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN: Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
[illegible]	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	6,135	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER Jim Dewolf	PRINT #1215 AGENT FOR NARRAGANSETT ELECTRIC	SIGN [signature] #1215 AGENT FOR TNEC	DATE 03-05-19
TRANSPORTER 1	PRINT [signature]	SIGN [signature]	DATE 03-05-19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 2/14/2019
WORK ORDER NO ~~RI 1900522018-001~~

DOCUMENT NO. 858573 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 ~~I P Noonan Transportation~~ VEHICLE ID # 211 / 17K-176

EPA ID # ~~MA5088888028~~ TRANS. 1 PHONE (617) 820-1452

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 x 4000	~~T~~ First water		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE) $100 gal.	320	Gal.
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU
Fuse link: SVE 7H 2/6 11

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Wolf #1215 AGENT FOR NARRAGANSETT ELECTRIC	SIGN #1215 AGENT FOR TNEC	DATE
TRANSPORTER 1	PRINT Phil Reynolds	SIGN	DATE
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 2/14/2019

WORK ORDER NO. 900522818-001

DOCUMENT NO. 858568

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID #

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	7774	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT JM Heinolf #1215 AGENT FOR NARRAGANSETT ELECTRIC	SIGN JM Heinolf #1215 AGENT FOR TNEC	DATE
TRANSPORTER 1	PRINT Richard Michaud	SIGN Richard Michaud	DATE 3/6/19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

CHI 107

Site Address : 642 Allens Avenue
Providence,RI 02905

SC PPW 2/14/2019

WORK ORDER NO. 900522818-001

DOCUMENT NO. 858591 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 I P Noonan Transportation VEHICLE ID # 714/Stk-172

EPA ID # MA5085988026 TRANS. 1 PHONE (603) 434-6482

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN:Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
8 DM 1	WGL/WGL		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000 G	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim DeWolf #1315 AGENT FOR NARRAGANSETT ELEC	Jim DeWolf #1315 AGENT FOR TNEC	
TRANSPORTER 1	Phil Reynolds		2/7/19
TRANSPORTER 2			
RECEIVED BY			

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CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 2/14/2019

WORK ORDER NO. 900522818-001

DOCUMENT NO. 858590

STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~J P Noonan Transportation~~ VEHICLE ID #

EPA ID # ~~MA5085888026~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
01	TT	NA	A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT #1215 AGENT FOR Jim Dewolf NARRAGANSETT ELECT	SIGN #1215 AGENT FOR TNEC	DATE
TRANSPORTER 1	PRINT [illegible]	SIGN [illegible]	DATE 3-8-19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

Site Address : 642 Allens Avenue
Providence,RI 02905

SC PPW 2/14/2019

WORK ORDER NO. 900522818-001

DOCUMENT NO. 0192309 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. **VEHICLE ID #** _____

EPA ID # MAD039322250 **TRANS. 1 PHONE** (781) 792-5000

TRANSPORTER 2 _____ **VEHICLE ID #** _____

EPA ID # _____ **TRANS. 2 PHONE** _____

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	**SHIPPER** ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	**SHIPPER EPA ID #** RID007918774
ADDRESS 37 Rumery Road	**ADDRESS** 40 Sylvan Road
CITY South Portland **STATE** ME **ZIP** 04106	**CITY** Waltham **STATE** MA **ZIP** 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	729	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

KIEWIT SITE

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	**PRINT** #1315 AGENT FOR JIM DEWOLF, NARRAGANSETT ELECT.	**SIGN** JIM DEWOLF #1315 AGENT FOR TNEC	**DATE** 05/13/19
TRANSPORTER 1	**PRINT** JACK TOMASSO	**SIGN**	**DATE** 5-13-19
TRANSPORTER 2	**PRINT**	**SIGN**	**DATE**
RECEIVED BY	**PRINT**	**SIGN**	**DATE**

4

CHI 107

Site Address: 642 Aliens Avenue
Providence, RI 02905

SC PPW 2/14/2019

WORK ORDER NO. ~~900522818-001~~

DOCUMENT NO. 858584

STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~Clean Harbors Environmental Services, Inc.~~ VEHICLE ID # 652/2130

EPA ID # ~~MAD039322250~~ TRANS. 1 PHONE ~~(781) 792-5000~~

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY				SHIPPER ATTN: Susan Brochu		
Clean Harbors Environmental Services, Inc.				Narragansett Electric Company		
FACILITY EPA ID #				SHIPPER EPA ID #		
MED980672182				RID007918774		
ADDRESS				ADDRESS		
37 Rumery Road				40 Sylvan Road		
CITY	STATE	ZIP		CITY	STATE	ZIP
South Portland	ME	04106		Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001-HK	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)		
			B.	6,400	Gal
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

Frac Tank SV28 341

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Fenwolf #1215 AGENT FOR NARRAGANSETT ELECT.	SIGN #1215 AGENT FOR TNEC	DATE
TRANSPORTER 1	PRINT	SIGN	DATE 2/15/19
TRANSPORTER 2	PRINT Kenneth Cutler	SIGN	DATE 2/15/19
RECEIVED BY	PRINT	SIGN	DATE

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 2/14/2019

WORK ORDER NO. 500822816-001

DOCUMENT NO. 858570

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 2130

EPA ID # MAD035322250 TRANS. 1 PHONE (781) 752-8000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN: Susan Brosho Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001 10K	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	4240	GAL
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE # (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RRB-RI

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Brown Nar Narragansett Elect.	SIGN [signature] Bids Agent for TAC	DATE
TRANSPORTER 1	PRINT Kaleb Sylvester	SIGN [signature]	DATE 2/22/19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 7/12/2016

WORK ORDER NO. 900522818-001

DOCUMENT NO. 858531

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 2130

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN: Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED990672182	SHIPPER EPA ID # RID007919774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001 10K	TT		A. NON DOT REGULATED MATERIAL (WATER, COAL TAR DISTILLATE)	8000	GAL
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE # (800) 483-5718 GENERATOR: Narragansett Electric Company
A.T26781RIR9-RB

Finishing Syrokiel

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Dewolf #1215 Agent for Narragansett Elect	SIGN	DATE
TRANSPORTER 1	PRINT Ralph Sylvester	SIGN #1215 Agent for TNEC	DATE 2/21/19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 2/14/2019

WORK ORDER NO. 500822816-001

DOCUMENT NO. 858570

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 2130

EPA ID # MAD035322250 TRANS. 1 PHONE (781) 752-8000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN: Susan Brosho Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001 10K	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	4240	GAL
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE # (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RRB-RI

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Brown Bob Abbott for Narragansett Elect.	SIGN [signature] Bob Abbott for TAC	DATE
TRANSPORTER 1	PRINT Kaleb Sylvester	SIGN [signature]	DATE 8/22/19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 2/14/2019

WORK ORDER NO. [illegible]

DOCUMENT NO. 858574

STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~I P Neeman Transportation~~ VEHICLE ID # 914/[illegible]

EPA ID # ~~MA5089998029~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN: Susan Brodhe Narragansett Electric Company
FACILITY EPA ID # MED986672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Romery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
119000	17		A. NON DOT REGULATED MATERIAL, BOILER, COAL TAR DISPELLATE	8000	Bags
			B. 8000 Bags		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE # (800) 483-3718 GENERATOR: Narragansett Electric Company
A 7267918999-40

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT [illegible]	SIGN [illegible]	DATE
TRANSPORTER 1	PRINT [illegible]	SIGN [illegible]	DATE 2/2/19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 7/12/2018

WORK ORDER NO. 900522818-001

DOCUMENT NO. 858530

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 1SA1/2127

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-8000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN: Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED990672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001-10L	TF		A. RON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	Gal
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE # (800) 483-3718 GENERATOR: Narragansett Electric Company
A.726781RIRB-RS

[illegible] 2712764

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT #1215 AGENT FOR JIM DRWOLF NARRAGANSETT ELECTRIC	SIGN [signature] #1215 AGENT FOR TNEC	DATE 2/20/19
TRANSPORTER 1	PRINT Glen Wheeler	SIGN [signature]	DATE 2/20/19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 7/12/2018

WORK ORDER NO. [illegible]

DOCUMENT NO. 858532

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 2117

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 793-8000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN: Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Hanney Road	ADDRESS 45 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL (WATER, COAL TAR DISTILLATE)	5,778	2
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE # (800) 483-5716 GENERATOR: Narragansett Electric Company
A 720 781 8000 RD

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT [illegible] AGENT FOR NARRAGANSETT [illegible]	SIGN [illegible] AGENT FOR TNEC	DATE
TRANSPORTER 1	PRINT [illegible]	SIGN [illegible]	DATE 7-20-17
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

Site Address: 642 Allens Avenue
Providence, RI 02905

Trailer # 3129

SC PPW 12/9/2008
WORK ORDER NO. RI 1900522B1B-001

DOCUMENT NO. 0192757

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc.
VEHICLE ID # 1725-3129

EPA ID # MAD039322250
TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2
VEHICLE ID #

EPA ID #
TRANS. 2 PHONE

DESIGNATED FACILITY	SHIPPER ATTN: Susan Brochu
Clean Harbors Environmental Services, Inc.	Narragansett Electric Company
FACILITY EPA ID #	SHIPPER EPA ID #
MED980672182	RID007918774
ADDRESS	ADDRESS
37 Rumery Road	40 Sylvan Road
CITY / STATE / ZIP	CITY / STATE / ZIP
South Portland / ME / 04106	Waltham / MA / 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	5150	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

~~LT26781R1RB-RU~~ Proc #SV28639 SOIL MGMT AREA

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Fewolf #1315 Agent for Narragansett Elect.	SIGN #1315 Agent for TNEC	DATE 12-19-19
TRANSPORTER 1	PRINT Adriano Brito	SIGN	DATE 12-19-19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019
WORK ORDER NO RI 1900522818-001

DOCUMENT NO. 0192402 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 ~~J P Noonan Transportation~~ VEHICLE ID # L914/STK-1709

EPA ID # ~~MA5085888026~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN: Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8,207	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER PRINT Jim Lewis #1215 AGENT FOR NARRAGANSETT ELECTRIC	SIGN Lewis #1215 AGENT FOR TNEC	DATE
TRANSPORTER 1 PRINT Peter Childers J.P. Noonan	SIGN	DATE 07.01.2019
TRANSPORTER 2 PRINT	SIGN	DATE
RECEIVED BY PRINT	SIGN	DATE

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019

WORK ORDER NO. ~~RI000522818-001~~

DOCUMENT NO. 0192398 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 ~~J P Noonan Transportation~~ VEHICLE ID # STK 1709

EPA ID # ~~MA5095989026~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	**SHIPPER** ATTN Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980872182	**SHIPPER EPA ID #** RID007918774
ADDRESS 37 Rumery Road	**ADDRESS** 40 Sylvan Road
CITY South Portland **STATE** ME **ZIP** 04106	**CITY** Waltham **STATE** MA **ZIP** 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT JIM DIFWOLF #1215 AGENT FOR NARRAGANSETT ELECTRIC	SIGN #1215 AGENT FOR TNEC	DATE
TRANSPORTER 1	PRINT CAROLO GUNTER	SIGN	DATE 7-2-19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019

WORK ORDER NO. 1900522818-001

DOCUMENT NO. 0192406

STRAIGHT BILL OF LADING

TRANSPORTER 1 J P Noonan Transportation VEHICLE ID # L930 STK 1161

EPA ID # MA5085888026 TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8200	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

Weir Tank: A13380T

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Dewolf #1215 AGENT FOR NARRAGANSETT ELECTRIC	SIGN [signature] #1215 AGENT FOR TNEC	DATE
TRANSPORTER 1	PRINT Peter Childers	SIGN [signature]	DATE 03.07.2019
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019
WORK ORDER NO. 1900522[illegible]

DOCUMENT NO. 0192405

STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~J P Noonan Transportation~~ VEHICLE ID # 915/1109

EPA ID # ~~MA5085888026~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	80000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Drewolf #1215 Agent for Narragansett Electric	SIGN [signature] #1215 Agent for TNEC	DATE
TRANSPORTER 1	PRINT Carole Gunter	SIGN [signature]	DATE 7-10-19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

Site Address : 642 Allens Avenue
Providence,RI 02905

SC PPW 3/12/2019

WORK ORDER NO. 1900522818-001

DOCUMENT NO. 0192397 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 I P Noonan Transportation VEHICLE ID # 915/1709

EPA ID # MA5085888026 TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	7500	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

Wait Tanks: [illegible]

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Diewolf #1215 Agent for Narragansett Electric	SIGN [signature] #1315 Agent for TNEC	DATE
TRANSPORTER 1	PRINT Carole Gunter	SIGN [signature]	DATE 7-12-19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

Site Address : 642 Allens Avenue
Providence,RI 02905

SC PPW 2/14/2019

WORK ORDER NO. ~~RI 1900522818-001~~

DOCUMENT NO. 858585

STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~Clean Harbors Environmental Services, Inc.~~ VEHICLE ID # 2130

EPA ID # ~~MAD039322250~~ TRANS. 1 PHONE ~~(781) 792-5000~~

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	7,900	9
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Jewolf #1215 AGENT FOR NARRAGANSETT ELECT.	SIGN Jena #1215 AGENT FOR TNEC	DATE
TRANSPORTER 1	PRINT Richard Michaud	SIGN Richard Michaud	DATE 07-24-19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

CleanHarbors
ENVIRONMENTAL SERVICES®

Site Services Multi-Task Worksheet

1292593

Day & Date: 8/1/19

Sales Order #: 190401512?

Job Complete: (Yes) / No (Circle One)

Job Description/Comments: Remove 2 oil + water drums and deliver four 17H drums empty

Customer: Kilauea Coast

Billing Address: 2555 Sacramento St

Omaha, NE

Contact:

Job Location: 602 Allens Alley Penthouse

PO # / COD Amount

Per Diem: Yes / No (Circle One) If yes, how many?

Change Order Initiated: Yes / No (Circle One)

Task # / Description	Task # / Description	Task # / Description
Task Complete: Yes / No (Circle One)	Task Complete: Yes / No (Circle One)	Task Complete: Yes / No (Circle One)

Labor

Name	Title	ID #	ST	OT	DT	ST	OT	DT	ST	OT	DT
J. Jacobs	Eng	532390		2							
S. Barrera	Eng	025566		2							

Disposal / Write Description/Destination	Manifest #	Amount	Manifest #	Amount	Manifest #	Amount
LIQUID: Bulk / Drum	026070625FE	100g				
SOLID: Bulk / Drum						

Equipment Type	Quantity	Fleet #	# of Hr/Day	Quantity	Fleet #	# of Hr/Day	Quantity	Fleet #	# of Hr/Day
Pickup / Van / Car / Crew Cab (Circle One)									
Vacuum Trailer									
Tractor									
Vacuum Truck, Straight									
Box Truck	1	621134							
Cusco / Guzzler / Vactor (Circle One)									
Air Compressor, 175 CFM									
Backhoe Loader, 1 Yd bucket									
Bobcat Loader - Mini Excavator									
Rack Truck									
Rolloff Truck, Straight									
Pressure Washer (PSI:) Hot / Cold (Circle One)									
Meter Type:									

Equipment Type	Quantity	Size	Quantity	Size	Quantity	Size
Drum Type: 17H	4	55g				
Drum Type:						
Rope Type:						
Degreaser Type:						
Speedi Dry						
Polycoated Rain Gear, 22mil						
Poly Sheet, 6mil, 20ft x 100ft						
Poly Bag, 6mil, per roll						
Absorbent Pad (101 Grade) 100/bale						
Absorbent Boom Each						
Absorbent Boom Bale						
Duct Tape/Roll						
Safety Plan						
Rolloff Poly Liner						
5 Gal / 20 Litre Poly Drum 1H2						

Container Management	Size	Fleet #	Size	Fleet #	Size	Fleet #
Rolloff / Intermodal / Frac Tank / Tanker (circle one)						
Rolloff / Intermodal / Frac Tank / Tanker (circle one)						

PPE Sets	Task 1	Task 2	Task 3
# of Complete Sets of PPE Used:			
# of People in PPE:			

PPED1=Level D w/(Tyvek, boots, gloves)
PPEC2=Level C w/(CPF1,2 or Poly Tyvk suit)
PPEC3=Level C w/(CPF3 or Saranex suit)
PPEC4=Level C w/(CPF4 or Barricade suit)
PPEB2=Level B w/(CPF2 or Poly Tyvek suit)
PPEB3=Level B w/(CPF3 or Saranex suit)
PPEB4=Level B w/(CPF4 or Barricade suit)
PPEA5=Level A w/(Responder suit)

Type	Qty	Type	Qty	Type	Qty	Type	Qty	Type	Qty	Type	Qty
PPED1		PPEB2		PPED1		PPEB2		PPED1		PPEB2	
PPEC2		PPEB3		PPEC2		PPEB3		PPEC2		PPEB3	
PPEC3		PPEB4		PPEC3		PPEB4		PPEC3		PPEB4	
PPEC4		PPEA5		PPEC4		PPEA5		PPEC4		PPEA5	

PPE Items Used in Addition to Sets Above	Quantity	Type	Quantity	Type	Quantity	Type
Cartridge						
Respirator						
Suit						
Inner Gloves						
Outer Gloves						
Breathing Air Bottle						

Analytical - Analysis Description	# of Tests	Lab Name	# of Tests	Lab Name	# of Tests	Lab Name

Subcontractor Name	Description of Service	Description of Service	Description of Service

CHES Rep (Print) Steven Martinez — CHES Rep (Sign) — Date: 8/1/19

Customer (Print) Erik Lovgren — Customer (Sign) — Date: 8/1/19

CHI 225-SS (9/07) IMPORTANT - PAYMENT TERMS ON BACK CUSTOMER COPY

Site Address: 642 Allens Avenue
Providence,RI 02905

SC PPW 2/14/2019
WORK ORDER NO. ~~900522819-001~~

DOCUMENT NO. 858586 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 ~~Clean Harbors Environmental Services, Inc.~~ VEHICLE ID # 1891/2137

EPA ID # ~~MAD039322250~~ TRANS. 1 PHONE ~~(781) 792-5000~~

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY				SHIPPER ATTN:Susan Brochu		
Clean Harbors Environmental Services, Inc.				Narragansett Electric Company		
FACILITY EPA ID #				SHIPPER EPA ID #		
MED980672182				RID007918774		
ADDRESS				ADDRESS		
37 Rumery Road				40 Sylvan Road		
CITY	STATE	ZIP		CITY	STATE	ZIP
South Portland	ME	04106		Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001 10K	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	7800	Gal.
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Dewolf #1215 AGENT FOR NARRAGANSETT ELECT.	SIGN #1215 AGENT FOR TNEC	DATE 8/9/19
TRANSPORTER 1	PRINT Glen Wheeler	SIGN	DATE 8/9/19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 2/14/2019

WORK ORDER NO. 900522818-001

DOCUMENT NO. 858588

STRAIGHT BILL OF LADING

TRANSPORTER 1 [illegible] Noonan Transportation VEHICLE ID # [illegible] K-1709

EPA ID # MA5085888026 TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN: Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	g
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim DeWolf #1215 AGENT FOR NARRAGANSETT ELECT.	SIGN [signature] #1215 AGENT FOR TNEC	DATE
TRANSPORTER 1	PRINT Carole Gunter	SIGN [signature]	DATE 8-9-19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

Site Address: 642 Allens Avenue
Providence,RI 02905

SC PPW 3/12/2019

WORK ORDER NO. RI 1800522818-001

DOCUMENT NO. 0192431

STRAIGHT BILL OF LADING

TRANSPORTER 1 I P Noonan Transportation VEHICLE ID # 935/1709

EPA ID # MA5085888026 TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	G	8,000
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

Frac Tank (SV-26 S12)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Jewolf #1215 AGENT FOR NARRAGANSETT ELECT.	SIGN Jewolf #1215 AGENT FOR TNEC	DATE 9-16-19
TRANSPORTER 1	PRINT Eric Charette	SIGN	DATE 9-16-19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019
WORK ORDER NO. ~~RI1900522818-001~~

DOCUMENT NO. 0192430 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 ~~J P Noonan Transportation~~ VEHICLE ID # HM552 924687ME.

EPA ID # ~~MA5085988026~~ TRANS. 1 PHONE 1-800-922-8026

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT	NO	A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8,000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN		DATE
SHIPPER	Jim Lewolt #1315 AGENT FOR NARRAGANSETT ELECTRIC		#1315 AGENT FOR TNEC	9-23-19
TRANSPORTER 1	Christopher J. Wood	Christopher J. Wood		9-23-19
TRANSPORTER 2	PRINT	SIGN		DATE
RECEIVED BY	PRINT	SIGN		DATE

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019
WORK ORDER NO 900522818-001

DOCUMENT NO. 0192435

STRAIGHT BILL OF LADING

TRANSPORTER 1 I P Noonan Transportation — VEHICLE ID # 929/1109

EPA ID # MA5085888026 — TRANS. 1 PHONE

TRANSPORTER 2 — VEHICLE ID #

EPA ID # — TRANS. 2 PHONE

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN: Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland — STATE ME — ZIP 04106	CITY Waltham — STATE MA — ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8,000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

Weltman Alessot

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Jewolf #1215 AGENT FOR NARRAGANSETT ELECT.	SIGN Jewolf #1215 AGENT FOR TNEC	DATE
TRANSPORTER 1	PRINT Eric Charette	SIGN [signature]	DATE 9 27 19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

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CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019

WORK ORDER NO. ~~R1000522818-001~~

DOCUMENT NO. 0192433

STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~J P Noonan Transportation~~ VEHICLE ID # M552 924687 ME. Reg #

EPA ID # ~~MA5085888026~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

Weir tank (A133807)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim DeWolf #1105 AGENT FOR NARRAGANSETT ELEC	SIGN #1015 AGENT FOR TNEC	DATE	10-1-19
TRANSPORTER 1	PRINT Christopher J. Wood	SIGN Christopher J. Wood	DATE	10-1-19
TRANSPORTER 2	PRINT	SIGN	DATE	
RECEIVED BY	PRINT	SIGN	DATE	

4

CHI 107

Site Address: 642 Allens Avenue
Providence,RI 02905

SC PPW 2/14/2019

WORK ORDER NO. ~~900522818-001~~

DOCUMENT NO. 858589

STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~I P Noonan Transportation~~ VEHICLE ID # 935/1709

EPA ID # ~~MA0858888026~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN:Susan Brochu
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company
FACILITY EPA ID #			SHIPPER EPA ID #
MED980672182			RID007918774
ADDRESS			ADDRESS
37 Rumery Road			40 Sylvan Road
CITY	STATE	ZIP	CITY STATE ZIP
South Portland	ME	04106	Waltham MA 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8,000	
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim DeWolf #1315 AGENT FOR NARRAGANSETT ELECT.	SIGN #1315 AGENT FOR TNEC	DATE
TRANSPORTER 1	PRINT Eric Charette	SIGN	DATE 10-2-19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019

WORK ORDER NO. 900522818-001

DOCUMENT NO. 0192432 STRAIGHT BI- OF LADING

TRANSPORTER 1 J P Noonan Transportation

EPA ID # MA5085888026

TRANSPORTER 2

EPA ID #

VEHICLE ID # 536 / STK. 17M

TRANS. 1 PHONE

VEHICLE ID #

TRANS. 2 PHONE

DESIGNATED FACILITY	SHIPPER ATTN: Susan Brochu
Clean Harbors Environmental Services, Inc.	Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8,200	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

Work Tank: AI338DT

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER PRINT Jim Stewolf #615 AGENT FOR NARRAGANSETT	SIGN Stewolf #615 AGENT FOR TNEC	DATE	
TRANSPORTER 1 PRINT Peter Chilton J.P. Noonan	SIGN	DATE	
TRANSPORTER 2 PRINT	SIGN	DATE	
RECEIVED BY PRINT	SIGN	DATE	

CHI 107

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Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019

WORK ORDER NO. [illegible]

DOCUMENT NO. 0192404 STRAIGHT BILL OF LADING

TRANSPORTER 1 J.P. Noonan Transportation VEHICLE ID # M596

EPA ID # MA0955999026 TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY		SHIPPER ATTN: Susan Brochu
Clean Harbors Environmental Services, Inc.		Narragansett Electric Company
FACILITY EPA ID #		SHIPPER EPA ID #
MED980672182		RID007918774
ADDRESS		ADDRESS
37 Rumery Road		40 Sylvan Road
CITY	STATE ZIP	CITY STATE ZIP
South Portland	ME 04106	Waltham MA 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT	TT	A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8K	G
	~~TT~~		B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT #1315 AGENT FOR NEWOLF NARRAGANSETT ELECTRIC	SIGN #1315 AGENT FOR TNEC		DATE
TRANSPORTER 1	PRINT Lynn McKinley	SIGN		DATE
TRANSPORTER 2	PRINT	SIGN		DATE
RECEIVED BY	PRINT	SIGN		DATE

4

CHI 107

Site Address : 642 Allens Avenue
Providence,RI 02905

SC PPW 3/12/2019

WORK ORDER NO. RI1900522818-001

DOCUMENT NO. 0192554

STRAIGHT BILL OF LADING

TRANSPORTER 1 J P Noonan Transportation VEHICLE ID # 935/1709

EPA ID # MA5085888026 TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8,000	
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE # (800)483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

Well Tank (41332-01)
Tank (24256-3016)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim DeWolf #1215 AGENT FOR NARRAGANSETT ELECT	SIGN [signature] #1215 AGENT FOR TRUC	DATE
TRANSPORTER 1	PRINT Eric Charette	SIGN [signature]	DATE 10-11-19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

Site Address : 642 Allens Avenue
Providence,RI 02905

SC PPW 3/12/2019

WORK ORDER NO. ~~AI 1900522818-001~~

DOCUMENT NO. 0192560

STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~Clean Harbors Environmental Services, Inc.~~ VEHICLE ID # 1840.2131

EPA ID # ~~MAD039322250~~ TRANS. 1 PHONE ~~(781) 792-5000~~

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN:Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RID007918774		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1/10000	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

A.T26781RIRB-RU

Free work (91-335)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER Jim DeWolf	PRINT #1215 AGENT FOR NARRAGANSETT ELECT.	SIGN [signature] #1215 AGENT FOR TNSC	DATE 11.20.19
TRANSPORTER 1	PRINT Anthony Ondel	SIGN [signature]	DATE 11.20.19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 12/9/2008

WORK ORDER NO. RI 1900522818 001

DOCUMENT NO. 0192671

STRAIGHT BILL OF LADING

TRANSPORTER 1 J P Noonan Transportation

VEHICLE ID # 935/1708

EPA ID # MA5095888026

TRANS. 1 PHONE

TRANSPORTER 2

VEHICLE ID #

EPA ID #

TRANS. 2 PHONE

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN: Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8,000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

A.T26781RIRB-RU

Frac Tank SV26341L

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim DeWolf #1215 AGENT FOR NARRAGANSETT ELECT.	SIGN DeWolf #1215 AGENT FOR TNEC	DATE 11 20 19
TRANSPORTER 1	PRINT Eric Charette	SIGN	DATE 11 20 19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019

WORK ORDER NO. ~~RI 900522818-001~~

DOCUMENT NO. 0192584 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 J P Noonan Transportation — VEHICLE ID # 1040 - 2129

EPA ID # MA0055888026 — TRANS. 1 PHONE 781.792.5000

TRANSPORTER 2 _____ — VEHICLE ID # _____

EPA ID # _____ — TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 1000	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	3000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim Dewalt #1215 Agent For Narragansett Elect	#1215 Agent For TNEC	11.20.19
TRANSPORTER 1	Anthony One.		11.20.19
TRANSPORTER 2			
RECEIVED BY			

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 12/9/2008

WORK ORDER NO. ~~RI 1900522818-001~~

DOCUMENT NO. 0192671 STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~J P Noonan Transportation~~ VEHICLE ID # 935/1708

EPA ID # ~~MA5095999026~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			ATTN: Susan Brochu Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8,000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26791RIRB-RU
Frac Tank SV26341L

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	JIM DEWOLF #1215 AGENT FOR NARRAGANSETT ELECT.	JDeWolf #1215 AGENT FOR TNEC	11-20-19
TRANSPORTER 1	Eric Charette		11-20-19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019

WORK ORDER NO. RI 1900522818-001

DOCUMENT NO. 0192579 STRAIGHT BILL OF LADING

394
1709

TRANSPORTER 1 J P Noonan Transportation VEHICLE ID #

EPA ID # MA0958888026 TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			ATTN: Susan Brochu Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
			A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RI

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	JIM A FENOLF #1015 AGENT FOR NARRAGANSETT ELECTRIC	#1215 Agent For TNEC	11/21/19
TRANSPORTER 1	Edwin NICKERSON		11/21/19
TRANSPORTER 2			
RECEIVED BY			

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019

WORK ORDER NO. RI 1900522818 001

DOCUMENT NO. 0192578 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 J P Noonan Transportation VEHICLE ID # 935/1708

EPA ID # MA5085888626 TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8,000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
AT26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim Doenolf #1315 Agent for Narragansett Electric	#1315 Agent for TNEC	11-21-19
TRANSPORTER 1	Eric Charette		11-21-19
TRANSPORTER 2			
RECEIVED BY			

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019

WORK ORDER NO. ~~RI 1900522818-001~~

DOCUMENT NO. 0192577 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 ~~J P Noonan Transportation~~ VEHICLE ID # 935/1708

EPA ID # ~~MA5095888020~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8,000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim DeWolf #1215 Agent for Narragansett Electric	#1215 Agent for TNEC	11-22-19
TRANSPORTER 1	Eric Charette		11-22-19
TRANSPORTER 2			
RECEIVED BY			

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019
WORK ORDER NO. ~~RI 1900522818-001~~

DOCUMENT NO. 0192553 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 ~~Clean Harbors Environmental Services, Inc.~~ VEHICLE ID # 1840 · 2129

EPA ID # ~~MAD039322250~~ TRANS. 1 PHONE ~~(781) 792-5000~~

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
1 / 10000	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Howe #015 AGENT FOR NARRAGANSETT ELECT.	SIGN #015 AGENT FOR NEC	DATE 11.25.2019
TRANSPORTER 1	PRINT Anthony ONeil	SIGN	DATE 11.25.2019
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019

Trailer # 3123

WORK ORDER NO. [illegible]

DOCUMENT NO. 0192561

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 1321-3123

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			ATTN: Susan Brochu Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		ANON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	5100	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Dewolf #1215 Agent for Narragansett Elec Co.	SIGN [signature] #1215 Agent for TNEC	DATE	11-25-19
TRANSPORTER 1	PRINT Adriano Brito	SIGN [signature]	DATE	11-25-19
TRANSPORTER 2	PRINT	SIGN	DATE	
RECEIVED BY	PRINT	SIGN	DATE	

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019
WORK ORDER NO. RI 1900522818-001

DOCUMENT NO. 0192582

STRAIGHT BILL OF LADING

TRANSPORTER 1 I P Noonan Transportation

VEHICLE ID # 656/1708

EPA ID # MA0855855026

TRANS. 1 PHONE

TRANSPORTER 2

VEHICLE ID #

EPA ID #

TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED986672182			SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT J.M. DeWolf #1215 AGENT FOR Narragansett Elect.	SIGN #1215 AGENT FOR NETEC	DATE 11-26-19
TRANSPORTER 1	PRINT Eric Charette	SIGN	DATE 11-26-19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY			

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019

WORK ORDER NO. ~~RI000522918-001~~

DOCUMENT NO. 0192581 **STRAIGHT BILL OF LADING**

TRK / TRL
915 / STK 1709

TRANSPORTER 1 ~~J P Noonan Transportation~~ VEHICLE ID #

EPA ID # ~~MA5095888026~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)		
			B.	2400	G
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim DeWolf #1215 Agent for Narragansett Fleet	#1215 Agent for TNEC	11/26/2019
TRANSPORTER 1	Carole Gunter		11/26/19
TRANSPORTER 2			
RECEIVED BY			

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019

Trailer # 344

WORK ORDER NO. ~~RI 1900522818-001~~

DOCUMENT NO. 0192559

STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~Clean Harbors Environmental Services, Inc.~~ VEHICLE ID #

EPA ID # ~~MAD039322250~~ TRANS. 1 PHONE ~~(781) 792-5000~~

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	5151	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

A.T26781RIRB-RU

Fruit Tank [illegible]

1 [illegible]

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim Dewolf #1215 Agent for Narragansett Elect	J Dewolf #1215 Agent for TNC	12-07-19
TRANSPORTER 1	Adriano Brito	Adriano Brito	12-07-19
TRANSPORTER 2			
RECEIVED BY			

4

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 12/9/2008
WORK ORDER NO RI 1900522818-001

DOCUMENT NO. 0192759 STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~Clean Harbors Environmental Services, Inc.~~ VEHICLE ID # 1652/2130

EPA ID # ~~MAD039322250~~ TRANS. 1 PHONE ~~(781) 792-5000~~

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY	SHIPPER ATTN: Susan Brochu
Clean Harbors Environmental Services, Inc.	Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
00402	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	3500	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
~~A.T26781RIRB-RU~~
FRAC # JV28639 SOIL MGMT AREA.

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT J. EWOLF #1315 AGENT FOR NARRAGANSETT ELEC	SIGN J. Ewolf #315	DATE 12/19/19
TRANSPORTER 1	PRINT Glenwheeler	SIGN	DATE 12/19/19
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

CHI 107

#87171173

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 12/9/2008
WORK ORDER NO. RI 1900522818-001

DOCUMENT NO. 0193007 STRAIGHT BILL OF LADING

TRANSPORTER 1 J P Noonan Transportation VEHICLE ID #

EPA ID # MA5085888026 TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc			ATTN: Susan Brochu Narragansett Electric Company		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RID007918774		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
AT26781RIRB-RU Dewatering Box Beam # FOA379821

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Brewster #1215 Agent for Narragansett Elect.	SIGN #1215 Agent for TNEC	DATE 4/22/20
TRANSPORTER 1	PRINT James Adams	SIGN	DATE 4/22/20
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Leagh	SIGN	DATE 04/22/20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.
CHI 107

8717 1507

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 12/9/2008
WORK ORDER NO. RI 1900522818-001

DOCUMENT NO. 0193008 STRAIGHT BILL OF LADING

TRANSPORTER 1 J P Noonan Transportation VEHICLE ID # 934/1766

EPA ID # MA5085888026 TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc			ATTN:Susan Brochu Narragansett Electric Company		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RID007918774		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
601	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU SMA FRAC# SV28639L

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Dewolf #1215 AGENT FOR NARRAGANSETT ELECT	SIGN #1215 AGENT FOR NEC	DATE 4/22/20
TRANSPORTER 1	PRINT Edwin Nickerson	SIGN	DATE 4/22/20
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Leigh	SIGN	DATE 4/22/20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.
CHI 107

1

Site Address: 642 Allens Avenue
Providence, RI 02903

Trailer # 344

SC PPW 12/9/2008

WORK ORDER NO. RI 200120B135-001

DOCUMENT NO. 0193013

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 1321-344

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	5175	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS

A.T26781RIRBRUM EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

Frac # SV36210L - 1200G Frac # SV28639L - 3975 G

Frac # SV23530L - 300G

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Lewolf #1215 Agent for Narragansett Elect.	SIGN	DATE 04-24-20
TRANSPORTER 1	PRINT Adriano Brito	SIGN	DATE 04-24-20
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

4

Site Address : 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 12/9/2008
WORK ORDER NO. RI 2001988309-001

DOCUMENT NO. 0193021 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 J P Noonan Transportation VEHICLE ID # 394/1709

EPA ID # MA5085888026 TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RID007918774		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (PURGEWATER)	8,000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS
A.T26781RIRB-FPLP
EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
Frame # SV[illegible]39L (4000) Where Box # FOA37982L (4000)

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Denoff #1215 Agent for Narragansett Electric	SIGN [signature] #1215 Agent for TNEC	DATE 4/29/20
TRANSPORTER 1	PRINT Edwin Nickerson	SIGN [signature]	DATE 4/29/20
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Leagh	SIGN [signature]	DATE 04/29/20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.
CHI 107

Site Address: 642 Aliens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 12/9/2008
WORK ORDER NO. RI 2001988309-001

DOCUMENT NO. 0193025 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 JP Noonan Transportation VEHICLE ID # 934/1116

EPA ID # MAD085888026 TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (PURGEWATER)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS
A.T26781RIRB-FPLP

EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
FRAC# SV286391

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Dewolf #1215 AGENT FOR NARRAGANSETT ELECT.	SIGN #1215 AGENT FOR TNEC	DATE	5/4/20
TRANSPORTER 1	PRINT Edwin NICKERSON	SIGN	DATE	5/4/20
TRANSPORTER 2	PRINT	SIGN	DATE	
RECEIVED BY	PRINT Brian Least	SIGN	DATE	05/04/20

1

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CRI 107

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02905

SC PPW 12/9/2008
WORK ORDER NO. RI 2001988309-001

DOCUMENT NO. 0193033 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 J P Noonan Transportation — VEHICLE ID # _____

EPA ID # MA8088888026 — TRANS. 1 PHONE _____

TRANSPORTER 2 _____ — VEHICLE ID # _____

EPA ID # _____ — TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (PURGEWATER)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS
A.T26781RIRB-FPLP

EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
FOA3T9824

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT JM Senoff #1215 Agent for Narragansett Elect.	SIGN #1215 Agent for TNEC	DATE 5/6/20
TRANSPORTER 1	PRINT J. ADAMS	SIGN	DATE 5/6/20
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Leary	SIGN	DATE 05/06/20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 12/9/2008
WORK ORDER NO. ~~RI 2001988309-001~~

DOCUMENT NO. 0193034 STRAIGHT BILL OF LADING

TRANSPORTER 1 J P Noonan Transportation VEHICLE ID #

EPA ID # MA5085888026 TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RID007918774		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (PURGEWATER)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-FPLP
SN (17456) # FOA379822 (62556)
SMA FRAC DEWATERING BOX

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim DeWolf #1215 Agent for Narragansett Elect.	[signature] #1215 Agent for TNEC	5/6/20
TRANSPORTER 1	Edwin Nickerson	[signature]	5/6/20
TRANSPORTER 2			
RECEIVED BY	Brian Leask	[signature]	05/06/20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

1

Site Address : 642 Allens Avenue
Providence,RI 02903

SC PPW 8/1/2020
WORK ORDER NO. RI 2006067592-001

DOCUMENT NO. 0436604 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # TRL # 3129

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			ATTN:Susan Brochu Narragansett Electric Company		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RID007918774		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	1905	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-FPLP
DEWATERING BOX # M30375 FPLP DEWATERING

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim DeWolf #1215 AGENT FOR NARRAGANSETT ELECT.	[signature] #1215 AGENT FOR TNEC	12-16-20
TRANSPORTER 1	Jody Tomasso	[signature]	12-16-20
TRANSPORTER 2			
RECEIVED BY	Brian Leash	[signature]	12-16-20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address: 642 Allens Avenue
Providence,RI 02905

SC PPW 12/9/2008
WORK ORDER NO ~~RI 1900522918-001~~

DOCUMENT NO. 856625 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 ~~Clean Harbors Environmental Services, Inc.~~ VEHICLE ID # TRL#3179

EPA ID # ~~MAD039322250~~ TRANS. 1 PHONE ~~(781) 792-5000~~

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN:Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	3241	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS **EMERGENCY PHONE #: (800) 483-3718** **GENERATOR: Narragansett Electric Company**
A.T26781RIRB-RU
FOA 379826 FPLP

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT #125 AGENT FOR JIM DEWOLF NARRAGANSETT ELEC.	SIGN #1216	DATE 3-19-20
TRANSPORTER 1	PRINT Jody Tamasso	SIGN	DATE 3-19-20
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Leask	SIGN	DATE 03-19-20

1

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 12/9/2008

WORK ORDER NO. 900522818-001

DOCUMENT NO. 856629 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 J P Noonan Transportation VEHICLE ID # 10/0 · 2129

EPA ID # MA5085888026 TRANS. 1 PHONE 1-800-792-9000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY		SHIPPER	
Clean Harbors Environmental Services, Inc.		ATTN: Susan Brochu Narragansett Electric Company	
FACILITY EPA ID # MED980672182		SHIPPER EPA ID # RID007918774	
ADDRESS 37 Rumery Road		ADDRESS 40 Sylvan Road	
CITY South Portland	STATE ZIP ME 04106	CITY Waltham	STATE ZIP MA 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

FPLP FOA
319821

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim O'Rourke #125 Agent for Narragansett Elect.	SIGN	DATE 3.19.2008
TRANSPORTER 1	PRINT Anthony O'Neil	SIGN	DATE 3.19.2008
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Leach	SIGN	DATE 03-19-20

CHI 107

Site Address : 642 Allens Avenue
Providence,RI 02905

SC PPW 12/9/2008

WORK ORDER NO. ~~NI 1900522818 001~~

DOCUMENT NO. 856630

STRAIGHT BILL OF LADING

TRL# 3122

TRANSPORTER 1 ~~J P Noonan Transportation~~ VEHICLE ID # 656/1708

EPA ID # ~~MA5085888026~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			ATTN:Susan Brochu Narragansett Electric Company		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RID007918774		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	$1,000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

A.T26781RIRB-RU

FPLP

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	JIM DENOUF #1215 AGENT FOR NARRAGANSETT ELECT	[signature] #1215	3-2-20
TRANSPORTER 1	Eric Charette	[signature]	3-2-20
TRANSPORTER 2			
RECEIVED BY			

4

CHI 107

Site Address: 642 Allens Avenue
Providence,RI 02905

SC PPW 6/1/2020

WORK ORDER NO: 2005508804-001

DOCUMENT NO. 856860

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 40158

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 57 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	600	G.
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS A.T26781RIRB-RU EMERGENCY PHONE #: (800)483-3718 GENERATOR: Narragansett Electric Company

SMA Totes

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Denolf #1215 Agent for Narragansett Elect.	SIGN #1215 Agent for TNEC	DATE 10/28/20
TRANSPORTER 1	PRINT Adriano Brito	SIGN Adriano Brito	DATE 10/28/20
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Leask	SIGN	DATE 10/28/20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address 642 Allens Avenue
Providence,RI 02903

SC PPW 8/1/2020
WORK ORDER NO. ~~RI 2006067592-001~~

DOCUMENT NO. 856881

STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~Clean Harbors Environmental Services, Inc.~~ VEHICLE ID # TRL 3127

EPA ID # ~~MAD039322250~~ TRANS. 1 PHONE ~~(781) 792 5000~~

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY	SHIPPER
Clean Harbors Environmental Services, Inc	ATTN: Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	5200	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS A.T26781RIRB-FPLP EMERGENCY PHONE # (800) 483 3718 GENERATOR Narragansett Electric Company
WEIR BOX # M30375 FPLP DEWATERING

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim DeWolf #1215 Agent for Narragansett Elect.	[signature] #1215 Agent for TNEC	12-8-20
TRANSPORTER 1	[signature]	[signature]	12-8-20
TRANSPORTER 2			
RECEIVED BY			

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

4

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019

WORK ORDER NO. RI 1900522918-001

DOCUMENT NO. 0192580

STRAIGHT BILL OF LADING

TRANSPORTER 1 J P Noonan Transportation

VEHICLE ID # 915/STK 1709

EPA ID # MA5085888026

TRANS. 1 PHONE

TRANSPORTER 2

VEHICLE ID #

EPA ID #

TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			ATTN: Susan Brochu Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT #1215 AGENT FOR Jim Dewolf NARRAGANSETT ELECT.	SIGN [signature] #1215 AGENT FOR TNEC	DATE
TRANSPORTER 1	PRINT Carole Gunter	SIGN [signature]	DATE 1/27/20
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 3/12/2019
WORK ORDER NO. RI 1900522618-001

DOCUMENT NO. 0192583 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 JP Noonan Transportation — VEHICLE ID # 656/1708

EPA ID # MA5088888026 — TRANS. 1 PHONE

TRANSPORTER 2 — VEHICLE ID #

EPA ID # — TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			ATTN: Susan Brochu Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Lenoff #1215 AGENT FOR NARRAGANSETT ELECT	SIGN J Lenoff #1215 AGENT FOR TNEC	DATE 1-27-20
TRANSPORTER 1	PRINT Eric Charette	SIGN	DATE 1-27-20
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

Site Address : 642 Aliens Avenue
Providence,RI 02905

SC PPW 12/9/2008

WORK ORDER NO 900522818-001

DOCUMENT NO. 0192780 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. **VEHICLE ID #** 1844/2131

EPA ID # MAD039322250 **TRANS. 1 PHONE** (781) 792-5000

TRANSPORTER 2 _____ **VEHICLE ID #** _____

EPA ID # _____ **TRANS. 2 PHONE** _____

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672162			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8,000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

A.T26781RIRB-RU FRAC # SV28697L

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim Lenox #1215 AGENT FOR NARRAGANSETT ELECT.	Jim Lenox #1215 FOR TNEC	1/6/20
TRANSPORTER 1	Luke Wheeler		1/6/20
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

Trailer # 3129

SC PPW 12/8/2008
WORK ORDER NO. RI1900522818-001

DOCUMENT NO. 0192784 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. **VEHICLE ID #** 1725-3129

EPA ID # MAD039322250 **TRANS. 1 PHONE** (781) 792-5000

TRANSPORTER 2 _____ **VEHICLE ID #** _____

EPA ID # _____ **TRANS. 2 PHONE** _____

DESIGNATED FACILITY			**SHIPPER** ATTN: Susan Brochu
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company
FACILITY EPA ID #			**SHIPPER EPA ID #**
MED986672182			RID007918774
ADDRESS			**ADDRESS**
37 Rumery Road			40 Sylvan Road
CITY	**STATE**	**ZIP**	**CITY** **STATE** **ZIP**
South Portland	ME	04106	Waltham MA 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		ANON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	5000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
AJ726781RIRB-RI
Frac # SV28639L

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	**PRINT** Jim Dewolf #1215 Agent for Narragansett Elect.	**SIGN** #125 Agent for TNEC	**DATE** 01-07-19 20 AMF
TRANSPORTER 1	**PRINT** Adriano Brito	**SIGN**	**DATE** 01-07-19 20 AMF
TRANSPORTER 2	**PRINT**	**SIGN**	**DATE**
RECEIVED BY	**PRINT**	**SIGN**	**DATE**

4

CHI 107

Site Address: 642 Aliens Avenue
Providence, RI 02905

Trailer # 3129

SC PPW 12/9/2008

WORK ORDER NO. RI 1900522818-001

DOCUMENT NO. 0192785

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc.

VEHICLE ID # 1725-3129

EPA ID # MAD039322250

TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2

VEHICLE ID #

EPA ID #

TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			ATTN: Susan Brochu Narragansett Electric Company		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RID007918774		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)		G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

A.T26781RIRB-RU (FRAC# SV28639L FPLP- 3500 GAL) / SV222 60 RL → 1,700 GAL

TOTAL: 5,200 GAL

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER Jim	PRINT Jewolf #1215 Agent for Narragansett Elect.	SIGN J. Jewolf #1215	DATE
TRANSPORTER 1	PRINT Adriano Brito	SIGN Adriano Brito	DATE 01-08-20
TRANSPORTER 2	PRINT	SIGN	DATE 01-08-20
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

Site Address : 642 Allens Avenue
Providence,RI 02905

SC PPW 12/9/2008

WORK ORDER NO. RI 1900522818-001

DOCUMENT NO. 0192779 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 1652-2130

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			ATTN:Susan Brochu Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)		
			B.		G
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

A.T26781RIRB-RU

FRA C# SV28639L

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jewolf #1215 Agent for Narragansett Elec	SIGN #1215 Agent for TNEC	DATE 1.17.2020
TRANSPORTER 1	PRINT Anthony Oneil	SIGN	DATE 1.17.2020
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

CHI 107

87170537

Site Address: 642 Allens Avenue
Providence,RI 02905

SC PPW 12/9/2008

WORK ORDER NO. 900522818-001

Trailer # US425T

DOCUMENT NO. 0192826

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 1321-US425T

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	5109	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU

FRAC # SN286391 SOIL MGMT AREA

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT J.M. Dewolf #1215 AGENT FOR NARRAGANSETT ELECT	SIGN #1215	DATE 04-01-20
TRANSPORTER 1	PRINT Adriano Brito	SIGN	DATE 04-01-20
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Leary	SIGN	DATE 04-01-2

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

1

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 12/9/2008

WORK ORDER NO. ~~RI 900522818-001~~

DOCUMENT NO. 0192830 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 ~~I P Noonan Transportation~~ VEHICLE ID # 915/STK 1709

EPA ID # ~~MA0085888026~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
~~A.T26781RIRB-RU~~
FRAC # SV28639L SOIL MGMT. AREA

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim Dewolf #1215 AGENT FOR NARRAGANSETT ELECT.	Jim Dewolf #1215	3-2-20
TRANSPORTER 1	CAROLE GUNTER	Carole Gunter	3-2-20
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address : 642 Allens Avenue
Providence,RI 02905

SC PPW 12/9/2008
WORK ORDER NO. RI 1900522818-001

DOCUMENT NO. 0192837 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 1841/2137

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			ATTN:Susan Brochu Narragansett Electric Company		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RID007918774		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001/10K	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8,000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU
TANK # F0A279826

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim Jewolf #1215 Agent for Narragansett Elect.	[signature] #1215	3/5/2020
TRANSPORTER 1	Glen Wheeler	[signature]	3/5/2020
TRANSPORTER 2			
RECEIVED BY			

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

4

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 12/9/2008

WORK ORDER NO. ~~NP900522818-001~~

DOCUMENT NO. 0192838

STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~Clean Harbors Environmental Services, Inc.~~ VEHICLE ID # 184/2137

EPA ID # ~~MAD039322250~~ TRANS. 1 PHONE ~~(781) 792-5000~~

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8,000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS A.T26781RIRB-RU

EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

Tank #

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT #125 AGENT FOR NARRAGANSETT ELECT.	SIGN #125	DATE 3/11/2020
TRANSPORTER 1	PRINT	SIGN	DATE 3/11/2020
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

4

4

87170505

Site Address: 642 Allens Avenue
Providence, RI 02905

Trailer# US425T

SC PPW 12/9/2008.
WORK ORDER NO. ~~RI1900522818-001~~

DOCUMENT NO. 0192860

STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~Clean Harbors Environmental Services, Inc.~~ VEHICLE ID # 1321-US425T

EPA ID # ~~MAD039322250~~ TRANS. 1 PHONE ~~(781) 792-5000~~

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			ATTN: Susan Brochu Narragansett Electric Company		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RID007918774		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		ANON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	5150	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIR8-RU
Frac# SV28639L Soil Management Area

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Dewolf Brit Agent for Narragansett Elect.	SIGN [signature] #1215	DATE 04-02-20
TRANSPORTER 1	PRINT Adriano Brito	SIGN [signature]	DATE 04-02-20
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Lensk	SIGN [signature]	DATE 04-02-20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

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87170372

Site Address: 642 Allens Avenue
Providence,RI 02905

SC PPW 12/9/2008
WORK ORDER NO. RI 1900522818-001

DOCUMENT NO. 0192913 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 1652/2137

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN:Susan Brochu Narragansett Electric Company		
Clean Harbors Environmental Services, Inc.					
FACILITY EPA ID # ME0980672182			SHIPPER EPA ID # RID007918774		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8,000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU
FRAC# FOA37982L

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim Jewell #1215 AGENT FOR NARRAGANSETT ELECT.	[signature] #1215	4-2-20
TRANSPORTER 1	Richard Michaud	[signature]	4-2-20
TRANSPORTER 2			
RECEIVED BY	Brian Lengh	[signature]	04-02-20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.
CHI 107

Site Address: 642 Allens Avenue
Providence, RI 02905

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87170268

SC PPW 12/9/2008
WORK ORDER NO. ~~RI 1900522818-001~~

DOCUMENT NO. 0192914 STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~AP Noonan Transportation~~ VEHICLE ID # 934/STK1708

EPA ID # ~~MA5095988028~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000 gal	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIR9-RII
Frac# FOA37982L

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim Jewolf #1215 Agent for Narragansett Elect.	[signature] #1215	
TRANSPORTER 1	Edwin Nickerson	[signature]	4/2/20
TRANSPORTER 2			
RECEIVED BY	Brian Leash	[signature]	09/02/20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

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Site Address: 642 Allens Avenue
Providence, RI 02905

CR
87170232

Trailer # 3129

SC PPW 12/9/2008
WORK ORDER NO. ~~RI 1900522818-001~~

DOCUMENT NO. 0192922 STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~Clean Harbors Environmental Services, Inc.~~ VEHICLE ID # 1725-3129

EPA ID # ~~MAD039322250~~ TRANS. 1 PHONE ~~(781) 792-5000~~

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brodhu	
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company	
FACILITY EPA ID #			SHIPPER EPA ID #	
MED980672182			RID007918774	
ADDRESS			ADDRESS	
37 Rumery Road			40 Sylvan Road	
CITY	STATE	ZIP	CITY	STATE ZIP
South Portland	ME	04106	Waltham	MA 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	5155	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS
A.T26781RIRB-RU

EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
Soil Mgmt Frac # SV28639L

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT #1215 AGENT FOR NEWOLF NARRAGANSETT ELECTRIC	SIGN #1215 Agent for TNEC	DATE 04-09-20
TRANSPORTER 1	PRINT Adriano Brito	SIGN	DATE 04-09-20
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Logue	SIGN	DATE 04-09-20

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Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

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87170153
2001988309

Site Address: 642 Allens Avenue
Providence,RI 02905

SC PPW 12/8/2008
WORK ORDER NO. RI1900522818-001

DOCUMENT NO. 0192926 STRAIGHT BILL OF LADING

TRANSPORTER 1 TP Keenan Transportation VEHICLE ID # STK-1708

EPA ID # MAD985888026 TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN:Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		ANON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8,000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS A.T26781RIRB-RU EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

Soil MGMT Proj # BV286396

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim DeWolf #1215 Agent for Narragansett Elect	SIGN #1215 Agent for TNEC	DATE 4-13-20
TRANSPORTER 1	PRINT Alex Searles	SIGN	DATE 4/13/20
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Carl Boston	SIGN	DATE 4-13-20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CRI 107

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#8717050b

Site Address: 642 Allens Avenue
Providence,RI 02905

SC PPW 12/9/2008
WORK ORDER NO. RI 1900522818-001

DOCUMENT NO. 0192927 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 JP Noonan Transportation — VEHICLE ID # STKV-11.03

EPA ID # MA5095888026 — TRANS. 1 PHONE

TRANSPORTER 2 — VEHICLE ID #

EPA ID # — TRANS. 2 PHONE

DESIGNATED FACILITY		SHIPPER	
Clean Harbors Environmental Services, Inc.		ATTN:Susan Brochu Narragansett Electric Company	
FACILITY EPA ID # MED980672182		SHIPPER EPA ID # RID007918774	
ADDRESS 37 Rumery Road		ADDRESS 40 Sylvan Road	
CITY South Portland	STATE ME ZIP 04106	CITY Waltham	STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A RQN DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS
A.T26781RIRB-RU

EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

SOIL MGMT FRAC # 5V28639L

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Dewolf #1215 AGENT FOR Narragansett Elec	SIGN	#1215 AGENT FOR TNEC	DATE 4-13-20
TRANSPORTER 1	PRINT Frank Somers	SIGN		DATE 4-13-20
TRANSPORTER 2	PRINT	SIGN		DATE
RECEIVED BY	PRINT Chad Boston	SIGN		DATE 4-13-20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

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8717 1133

Site Address: 642 Allens Avenue
Providence, RI 02905

SC PPW 12/9/2008
WORK ORDER NO. ~~RI 1900522818-001~~

Trailer# 3129

DOCUMENT NO. 0192931

STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~Clean Harbors Environmental Services, Inc.~~ VEHICLE ID # 1725-1321

EPA ID # ~~MAD038322250~~ TRANS. 1 PHONE ~~(781) 792-5000~~

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN: Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	5220	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-RU
~~[illegible]~~ WIERBOX# F0A37982L

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Dewolf #1215 AGENT FOR NARRAGANSETT ELECT.	SIGN [signature] #1215 AGENT FOR TNEC	DATE 04-13-20
TRANSPORTER 1	PRINT Adriano Brito	SIGN [signature]	DATE 04-13-20
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT DEAN D. DADMUN	SIGN [signature]	DATE

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

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Site Address: 642 Allens Avenue
Providence,RI 02905

SC PPW 12/9/2008

WORK ORDER NO ~~RI900522818-001~~

DOCUMENT NO. 0192938 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 ~~I P Noonan Transportation~~ VEHICLE ID # 595-1603

EPA ID # ~~MA5085888026~~ NOONAN TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN:Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS
A.T26781RIRB-RU

EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

SOIL MGMT FRAC # SV28639L

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT J. REWOLF #1215 AGENT FOR NARRAGANSETT ELEC.	SIGN J. REWOLF #1215 AGENT FOR TNEC	DATE
TRANSPORTER 1	PRINT TONY SCERRA	SIGN	DATE 4-14-20
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

1

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.
CHI 107

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 12/9/2008

WORK ORDER NO. ~~RI 2001988309-001~~

DOCUMENT NO. 0192940 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 ~~J P Noonan Transportation~~ VEHICLE ID # 934/1709

EPA ID # ~~MA0955888026~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY				SHIPPER			
Clean Harbors Environmental Services, Inc.				Narragansett Electric Company			
FACILITY EPA ID # MED980672182				SHIPPER EPA ID # RID007918774			
ADDRESS 37 Rumery Road				ADDRESS 40 Sylvan Road			
CITY South Portland		STATE ME	ZIP 04106	CITY Waltham		STATE MA	ZIP 02451
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS			TOTAL QUANTITY	UNIT WT/VOL
001	TT		ANON DOT REGULATED MATERIAL, (PURGEWATER)			8,000	G
			B.				
			C.				
			D.				
			E.				
			F.				
			G.				
			H.				

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-FPLP
Soil Mgmt Frac: FOR379824

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Dewolf #1215 Agent for Narragansett Elect.	SIGN #1215 Agent for TNEC	DATE 4/15/20
TRANSPORTER 1	PRINT Edwin Nickerson	SIGN	DATE 4/15/20
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Leask	SIGN	DATE 04/15/20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

1

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 12/9/2008
WORK ORDER NO. ~~RI 2001988309-001~~

DOCUMENT NO. 0192941 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 ~~J P Noonan Transportation~~ VEHICLE ID #

EPA ID # ~~MA5085888026~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID # 1708 / 930

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (PURGEWATER)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-FPLP
WIER BOX # FOA37982L

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim DeWolf #125 Agent for Narragansett Elect.	SIGN #125 Agent for TNEC	DATE 4/15/2020
TRANSPORTER 1	PRINT J. ADAMS	SIGN	DATE 4/15/2020
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Clark	SIGN	DATE 4/15/20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 12/9/2008

WORK ORDER NO. ~~RI 2001988309-001~~

DOCUMENT NO. 0192942 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 ~~Clean Harbors Environmental Services, Inc.~~ VEHICLE ID # 1652/2137

EPA ID # ~~MAD039322250~~ TRANS. 1 PHONE ~~(781) 792-5000~~

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RID007918774		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		ANON DOT REGULATED MATERIAL, (PURGEWATER)	8,000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-FPLP
SOIL MANAGEMENT FRAC: SV286896

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim Dewolf #1215 Agent for Narragansett Elect.	Jim Dewolf #1215 Agent for TNEC	4-15-20
TRANSPORTER 1	Richard Michaud	Richard Michaud	4-15-20
TRANSPORTER 2			
RECEIVED BY	Brian Leash	[signature]	04-15-20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

1

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 12/9/2008
WORK ORDER NO. RI2001988309-001

DOCUMENT NO. 0192958 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 TP Noonan Transportation — VEHICLE ID # 934/1709

EPA ID # MA5088888026 — TRANS. 1 PHONE

TRANSPORTER 2 — VEHICLE ID #

EPA ID # — TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company
FACILITY EPA ID #			SHIPPER EPA ID #
MED980672182			RID007918774
ADDRESS			ADDRESS
37 Rumery Road			40 Sylvan Road
CITY	STATE	ZIP	CITY STATE ZIP
South Portland	ME	04106	Waltham MA 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (PURGEWATER)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS: A.T26781RIRB-FPLP — EMERGENCY PHONE #: (800)483-3718 — GENERATOR: Narragansett Electric Company

Dewatering Box: FOA379826

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Dewolf #1215 Agent for Narragansett Elec.	SIGN #1215 Agent for NEC	DATE 5/12/20
TRANSPORTER 1	PRINT Edwin Nickerson	SIGN	DATE 5/12/20
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Lagle	SIGN	DATE 05/12/20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

1

CRI 167

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 12/9/2008
WORK ORDER NO. RI 2001988309-001

DOCUMENT NO. 0192959

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 1653-213D

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RID007918774		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (PURGEWATER)	7800	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS
A.T26781RIRB-FPLP
EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
DEWATERING BY: FOA37982L

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Jim DEWOLF BIZIS AGENT FOR NARRAGANSETT ELECT	[signature] BIZIS AGENT FOR JNEC	5/12/20
TRANSPORTER 1	Anthony Ohl	[signature]	5/12/20
TRANSPORTER 2			
RECEIVED BY	Brian Leask	[signature]	05/12/20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

1

#1708

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 12/9/2008
WORK ORDER NO. RI 2001988309-001

DOCUMENT NO. 0192968 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 JP Noonan Transportation — VEHICLE ID # _____

EPA ID # MA5085888026 — TRANS. 1 PHONE _____

TRANSPORTER 2 _____ — VEHICLE ID # _____

EPA ID # _____ — TRANS. 2 PHONE _____

DESIGNATED FACILITY	SHIPPER ATTN:Susan Brochu
Clean Harbors Environmental Services, Inc.	Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL (PURGEWATER)	5275	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS A.T26781RIRB-FPLP — EMERGENCY PHONE #: (800) 483-3718 — GENERATOR: Narragansett Electric Company

FRAC # 624979857

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Lewolf #125 Agent for Narragansett Elect.	SIGN #125 Agent for NEC	DATE 5/15/20
TRANSPORTER 1	PRINT J. Adams	SIGN	DATE 5/15/2020
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Richardson	SIGN	DATE 5/15/20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

1

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 12/9/2008
WORK ORDER NO. RI 2001988309-001

DOCUMENT NO. 0192969

STRAIGHT BILL OF LADING

TRANSPORTER 1 TP Noonan Transportation — VEHICLE ID # 93-1-1709

EPA ID # MA5095888026 — TRANS. 1 PHONE

TRANSPORTER 2 — VEHICLE ID #

EPA ID # — TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN:Susan Brochu Narragansett Electric Company		
FACILITY EPA ID # MED980672482			SHIPPER EPA ID # RID007918774		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL (PURGEWATER)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS: A.T26781RIRB-FPLP Frac# FOA3-4852 — EMERGENCY PHONE #: (800) 483-3718 — GENERATOR: Narragansett Electric Company

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Kurt Kneeland #1215 Accnt Rep Narragansett Elect.	#1215	5/15/20
TRANSPORTER 1	Edwin G Nickerson		5/15/20
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	Rich Carson		5/15/20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 12/9/2008
WORK ORDER NO. ~~RI2001988309-001~~

DOCUMENT NO. 0192979 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 ~~J P Noonan Transportation~~ VEHICLE ID #

EPA ID # ~~MA5085888026~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (PURGEWATER)	800[illegible]	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-FPLP
[illegible] Fax # SV28639L

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Stewart #1215 AGENT FOR NARRAGANSETT ELECT.	SIGN [signature] #1215 AGENT FOR TNEC	DATE
TRANSPORTER 1	PRINT Jim Adams	SIGN [signature]	DATE 5/29/2020
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Leash	SIGN [signature]	DATE 05/29/20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

Trailer# 3129

SC PPW 12/9/2008
WORK ORDER NO. RI 2001988309-001

DOCUMENT NO. 0192998

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID #

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			ATTN:Susan Brochu Narragansett Electric Company		
FACILITY EPA ID # MED990672492			SHIPPER EPA ID # RID007948774		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (PURGEWATER)	2500	G.
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS
A.T26781RIRB-FPLP

EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
Frac #: SV26639L FOA37985L

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim Kenney #1215 AGENT FOR NARRAGANSETT ELECT.	SIGN	#1215 AGENT FOR TNEC	DATE 07-01-20
TRANSPORTER 1	PRINT Adriano Brito	SIGN		DATE 07-01-20
TRANSPORTER 2	PRINT	SIGN		DATE
RECEIVED BY	PRINT Brian Leary	SIGN		DATE 07-01-20

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CRI 107

1

Site Address : 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 3/1/2021

WORK ORDER NO. ~~RI 2102465667-001~~

DOCUMENT NO. 857210

STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~Cyn Oil Corporation~~ VEHICLE ID # 76216/76418

EPA ID # ~~MAD082303777~~ TRANS. 1 PHONE ~~(617)541-5775~~

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY	SHIPPER
Clean Harbors Environmental Services, Inc.	ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID #	SHIPPER EPA ID #
MED980672182	RID007918774
ADDRESS	ADDRESS
37 Rumery Road	40 Sylvan Road
CITY / STATE / ZIP	CITY / STATE / ZIP
South Portland / ME / 04106	Waltham / MA / 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	5000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-FPLP

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Christopher Gould #6766 Agent for Narragansett Electric	SIGN	DATE 6/23/21
TRANSPORTER 1	PRINT DAVID BAILLARGEON	SIGN	DATE 6-23-21
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

4

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 8/1/2021

WORK ORDER NO: 102465667.001

DOCUMENT NO. 857426

STRAIGHT BILL OF LADING

TRANSPORTER 1 LP Noonan Transportation — VEHICLE ID # MS01/STRU-2114

EPA ID # MA5085888026 — TRANS. 1 PHONE

TRANSPORTER 2 — VEHICLE ID #

EPA ID # — TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu	
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company	
FACILITY EPA ID #			SHIPPER EPA ID #	
MED980672182			RID007918774	
ADDRESS			ADDRESS	
37 Rumery Road			40 Sylvan Road	
CITY	STATE	ZIP	CITY	STATE ZIP
South Portland	ME	04106	Waltham	MA 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8.000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H. Lic Plate # C 185003 (ME)		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-FPLP

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Christopher Gould #6703	SIGN AGENT FOR JNEC	DATE 10/26/21
TRANSPORTER 1	PRINT Mike Bowen	SIGN Mike Bowen	DATE 10/26/21
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

4

CHL107

Site Addr [redacted]

WORK ORDER NO. 102465667-001

DOCUMENT NO. 857465 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 J P Noonan Transportation VEHICLE ID # M582

EPA ID # MA5085888026 TRANS. 1 PHONE 800-528802

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu	
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company	
FACILITY EPA ID #			SHIPPER EPA ID #	
MED980672182			RID007918774	
ADDRESS			ADDRESS	
37 Rumery Road			40 Sylvan Road	
CITY	STATE	ZIP	CITY	STATE ZIP
South Portland	ME	04106	Waltham	MA 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-FPLP

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Agent For Narragansett Electric — Shawn Mantoranno		11/17/21
TRANSPORTER 1	PRINT Ray Wall — J. P. Noonan	SIGN	DATE 11/17/21
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

1

CHI 107

Site

WORK ORDER NO. RI3102465667-001

DOCUMENT NO. 857464 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 J P Noonan Transportation VEHICLE ID # M-582 JPN

EPA ID # MA5065888026 TRANS. 1 PHONE 800-588-8026

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 57 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	TT
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-FPLP

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Brendan Maloney	SIGN	DATE 11/16/21
TRANSPORTER 1	PRINT RAYMOND WALL JPN	SIGN	DATE 11-16-21
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

W.B.MASON CO. INC. 59 CENTRE ST. BROCKTON, MA 02303

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903
FRAC #
@ LNG BERM

SC PPW 3/1/2021

WORK ORDER NO. 102466667-001

DOCUMENT NO. 857082 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 LP Norman Transportation VEHICLE ID # _____

EPA ID # MA5085888026 TRANS. 1 PHONE _____

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu	
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company	
FACILITY EPA ID #			SHIPPER EPA ID #	
MED980672182			RID007918774	
ADDRESS			ADDRESS	
57 Rumery Road			40 Sylvan Road	
CITY	STATE	ZIP	CITY	STATE ZIP
South Portland	ME	04106	Waltham	MA 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS A.T267B1RIRB-FPLP EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

GROUND WATER FROM LNG PILE INSTALLATIONS.

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Jim DeWolf #125 Agent for Narragansett Elect.	SIGN d#215 Agent for TNEC	DATE 05/13/21
TRANSPORTER 1	PRINT Mike Burns	SIGN	DATE 5/14/21
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address : 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 3/1/2021

WORK ORDER# NQ102465667-001

DOCUMENT NO. 857211 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 J P Noonan Transportation VEHICLE ID # M582

EPA ID # MA5085888026 TRANS. 1 PHONE 508 588-8026

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY	SHIPPER
Clean Harbors Environmental Services, Inc.	ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 57 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
01	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	5000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company A.T26781RIRB-FPLP

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Christopher Gould AGENT FOR Narragansett Electric	AGENT FOR TNEC	
TRANSPORTER 1	PRINT Raymond WALL	SIGN	DATE 9-27-21
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Leary	SIGN	DATE 09-28-21

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 8/1/2021

WORK ORDER NO. 2102465667-001

DOCUMENT NO. 857465

STRAIGHT BILL OF LADING

TRANSPORTER 1 I P Noonan Transportation VEHICLE ID # M582

EPA ID # MA5085888026 TRANS. 1 PHONE 800-5888026

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-FPLP

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Agent Far Narragansett Electric Shawn Mantarano	SIGN [signature]	DATE 11/17/21
TRANSPORTER 1	PRINT RAY WALL I. P. NOONAN	SIGN Ray Wall	DATE 11/17/21
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Leasy	SIGN [signature]	DATE 11/18/21

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 8/1/2021

WORK ORDER NO. 102465667-001

DOCUMENT NO. 857466 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 I P Noonan Transportation VEHICLE ID # 547

EPA ID # MA5085888026 TRANS. 1 PHONE 508-588-8026

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN:Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RID007918774		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
DM	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS **EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company**
A.T26781RIRB-FPLP

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Christopher Gould there Agent for Narragansett Electric	SIGN	DATE 11-19-21
TRANSPORTER 1	PRINT P.J. Noonan	SIGN	DATE 11-19-21
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Leask	SIGN	DATE 11/19/21

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address : 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 8/1/2021

WORK ORDER NO. RI2102465667-001

DOCUMENT NO. 857464 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 J P Noonan Transportation VEHICLE ID # M-582 JPN

EPA ID # MA5085888026 TRANS. 1 PHONE 800-588-8026

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN:Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RID007918774		
ADDRESS 57 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	IT G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS **EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company**
A.T26781RIRB-FPLP

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Brendan Maloney		11/16/21
TRANSPORTER 1	Raymond WALL JPN		11-16-21
TRANSPORTER 2			
RECEIVED BY	Brian Leask		11-17-21

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

Trailer # 3129

SC PPW 8/1/2021

WORK ORDER NO ~~RI2102465667-001~~

DOCUMENT NO. 857481

STRAIGHT BILL OF LADING

TRANSPORTER 1 ~~Clean Harbors Environmental Services, Inc.~~ VEHICLE ID # _____

EPA ID # ~~MAD039322250~~ TRANS. 1 PHONE ~~(781)792-5000~~

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN:Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		ANON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	1846	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800)483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-FPLP

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Christopher Gould #6760 AGENT For Narragansett Electric	AGENT For TNEC	12/2/21
TRANSPORTER 1	Adriano Brito	Adriano Brito	12-2-21
TRANSPORTER 2			
RECEIVED BY	Brian Leask		12-02-21

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 8/1/2021

WORK ORDER NO. ~~RI210246667-001~~

DOCUMENT NO. 857477 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # TRL# 3129

EPA ID # MAD039322250 TRANS. 1 PHONE ~~(781) 792-5000~~

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY				SHIPPER ATTN:Susan Brochu			
Clean Harbors Environmental Services, Inc.				Narragansett Electric Company			
FACILITY EPA ID #				SHIPPER EPA ID #			
MED980672182				RID007918774			
ADDRESS				ADDRESS			
37 Rumery Road				40 Sylvan Road			
CITY		STATE	ZIP	CITY		STATE	ZIP
South Portland		ME	04106	Waltham		MA	02451
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS			TOTAL QUANTITY	UNIT WT/VOL
001	TT		ANON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)			1200	G
			B.				
			C.				
			D.				
			E.				
			F.				
			G.				
			H.				

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-FPLP

M30375

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Christopher Gould Agent for Narragansett Electric	SIGN Agent for TNEC		DATE 12/1/21
TRANSPORTER 1	PRINT Jerry Tomasso	SIGN		DATE 12-1-21
TRANSPORTER 2	PRINT	SIGN		DATE
RECEIVED BY	PRINT Brian Leask	SIGN		DATE 12-1-21

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address :

SC PPW 8/1/2021

WORK ORDER NO 2102465667-001

DOCUMENT NO. 857541

STRAIGHT BILL OF LADING

TRANSPORTER 1 I P Noonan Transportation VEHICLE ID # M580/STK#2114

EPA ID # MA5085888026 TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY	SHIPPER
Clean Harbors Environmental Services, Inc.	ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	5,000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H. Lic Plate # C185003 (ME)		

SPECIAL HANDLING INSTRUCTIONS A.T26781RIRB-FPLP EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company

Tank # M30375

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT Christopher Gould Agent for Narragansett Electric	SIGN Agent For TNEC	DATE 1/12/22
TRANSPORTER 1	PRINT Mike Burns	SIGN Mike Burns	DATE 1-12-22
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

W.B.MASON CO. INC. 59 CENTRE ST. BROCKTON, MA 02303

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 8/1/2021

WORK ORDER NO. RI 2102465667-001

DOCUMENT NO. 0436761 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. **VEHICLE ID #** TRL#3129

EPA ID # MAD039322250 **TRANS. 1 PHONE** (781) 792-5000

TRANSPORTER 2 _____ **VEHICLE ID #** _____

EPA ID # _____ **TRANS. 2 PHONE** _____

DESIGNATED FACILITY			SHIPPER		
Clean Harbors Environmental Services, Inc.			ATTN:Susan Brochu Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672162			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
C01	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	3914	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-FPLP

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Christopher Gould AGENT FOR Narragansett EGC	AGENT FOR FNEC	2-14-22
TRANSPORTER 1	Jack Tomasso		2-14-22
TRANSPORTER 2			
RECEIVED BY			

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

M37168

Site Address: 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 8/1/2021
WORK ORDER NO. RI 2102465667-001

DOCUMENT NO. 0436766 **STRAIGHT BILL OF LADING** M580/STRV-2114

TRANSPORTER 1 ~~J P Noonan Transportation~~ VEHICLE ID #

EPA ID # ~~MA5085888028~~ TRANS. 1 PHONE

TRANSPORTER 2 VEHICLE ID #

EPA ID # TRANS. 2 PHONE

DESIGNATED FACILITY			SHIPPER ATTN:Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID #			SHIPPER EPA ID #		
MED980672182			RID007918774		
ADDRESS			ADDRESS		
37 Rumery Road			40 Sylvan Road		
CITY	STATE	ZIP	CITY	STATE	ZIP
South Portland	ME	04106	Waltham	MA	02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
	1		ANON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	4,000	Gallons
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-FPLP

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Christopher Guild Agent for Narragansett Electric		2-17-22
TRANSPORTER 1	PRINT Mike Burns	SIGN	DATE 2-17-22
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Lasky	SIGN	DATE 02/18/22

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

Site Address 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

VM 37168

SC PPW 8/1/2021

WORK ORDER NO. RI 2102465667-001

DOCUMENT NO. 0436770 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 J P Noonan Transportation VEHICLE ID # M 582

EPA ID # MA5085888026 TRANS. 1 PHONE 800 1178026

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY Clean Harbors Environmental Services, Inc.	SHIPPER ATTN:Susan Brochu Narragansett Electric Company
FACILITY EPA ID # MED980672182	SHIPPER EPA ID # RID007918774
ADDRESS 37 Rumery Road	ADDRESS 40 Sylvan Road
CITY South Portland STATE ME ZIP 04106	CITY Waltham STATE MA ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
			A. NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	8000	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.126781RIRB-FPLP

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Christopher Gould Asst for Narragansett Electric	[signature] Agent for TNEC	2-23-22
TRANSPORTER 1	Raymond Wall J.P. Noonan Tran	[signature]	2-23-22
TRANSPORTER 2			
RECEIVED BY			

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

4

CHI 107

Site Address : 642 Allens Ave(FPLP Project Site on the Property)
Providence,RI 02903

SC PPW 8/1/2021
WORK ORDER NO. RI 2102465667-001

DOCUMENT NO. 0436774 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 ~~Clean Harbors Environmental Services, Inc.~~ VEHICLE ID # TRK# 3129

EPA ID # ~~MAD039322250~~ TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY			SHIPPER ATTN: Susan Brochu		
Clean Harbors Environmental Services, Inc.			Narragansett Electric Company		
FACILITY EPA ID # MED980672182			SHIPPER EPA ID # RID007918774		
ADDRESS 37 Rumery Road			ADDRESS 40 Sylvan Road		
CITY South Portland	STATE ME	ZIP 04106	CITY Waltham	STATE MA	ZIP 02451

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
001	TT		A NON DOT REGULATED MATERIAL, (WATER, COAL TAR DISTILLATE)	3793	G
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Narragansett Electric Company
A.T26781RIRB-FPLP
TANKS M37168 - M30375

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Christopher Gould AGENT FOR Narragansett Electric		03-02-22
TRANSPORTER 1	~~PRINT~~ Jacky Tomasso		3-2-22
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT Brian Leask	SIGN	DATE 08/02/22

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

APPENDIX I

SAND FILTER QA/QC

PLANT
NORTH

SEE CIV-CW-2201
FOR LINE 300
PLAN AND PROFILE

60.00'

51.00'

FIELD SEAM

FIELD PANEL

4.50'

INVERT ELEVATION
AT 5.80'

MANHOLE 302

6" PVC PIPE (PERFORATED UNDERDRAIN PIPE)
@ 0.50%, 57.35 LF

EXISTING GROUND
SURFACE

12.80' C/C
(TYP)

6" PVC PIPE (PERFORATED
UNDERDRAIN PIPE)
@ 0.50%, 42.72 LF

B

49.50'

SEE CIV-CW-2201
FOR LINE 300
PLAN AND PROFILE

6"
CRUSHED
STONE

1.00'

FOR SEDIMENT F
REINFORCING SE
CD-3007

WALL

EL

6"- 3/
(AGG
SURF

4.50'
(TYP)

MANHOLE 303

WEIR

E

A

1.89' OUTER DIMENSION

N 5839.70
E 3660.11

24" DIA. OVERFLOW BYPASS
INVERT ELEVATION AT 6.45'

N 5839.70
E 3598.78

24"DIA. INLET
SEE CIV-CW-2201
FOR LINE 200-PLAN AND PROFILE

SEDIMENT FOREBAY
(SEE PLAN VIEW THIS DWG AND
STRUCTURAL DETAILS IN CD-3007)

5' 0' 5' 10' 15'
1" = 5'

SEDIMENT FOREBAY AND SAND FILTER PLAN

SCALE: NTS

General Notes

New England Liner Systems
GEOMEMBRANE AND GEOSYNTHETIC SYSTEMS

PANEL LAYOUT IS PORPOSED, NELS INSTALLATION SUPERVISOR MAY VARY ACTUAL LAYOUT DUE TO FIELD CONDITIONS AND CONSTRUCTION SCHEDULE

CROSS SEAMS AT ENDS OF ROLLS WILL BE LOCATED DEPENDING ON PANEL LENGTH AND CONSTRUCTION SEQUENCE AND WILL VARY FROM THIS DRAWING

GEOTEXTILE PANELS WILL BE ORIENTED IN THE SAME DIRECTION AS THE MEMBRANE

No.	Revision/Issue	Date

Firm Name and Address
New England Liner Systems
40 Westfield Drive
Plantsville, CT 06479

Project Name and Address
National Grid
Fields Point Liquefaction Project

Project: Sediment Forebay Liner
Date: 2/1/2022
Scale: 1" = 5'
Sheet: 1 of 1

APPROVED - 03/01/2022

7300007943-GA-0001-001 - Fields Point Liquefaction Project - Received: 02/02/2022

New England Liner Systems, Inc.

Construction Quality Control Manual

1. INTRODUCTION

1 - Purpose
2 - Scope

2. MATERIAL DELIVERY

2.1 - Documentation of Material Delivery

3. GEOMEMBRANE INSTALLATION

3.1 - Earth Work

1. Standard Responsibilities
2. Minimum QC Guidelines
3. Surface Acceptance

3.2 - Crest Anchorage System

3.3 - Preparation for Geomembrane Deployment

1. Panel Layout
2. Identification

3.4 - Field Panel Placement

1. Weather Conditions
2. Location
3. Documentation of Panel Placement
4. Method of Deployment
5. Damage Repairs

3.5 - Geomembrane Field Seaming

1. General Requirements
2. Personnel
3. Equipment
4. Weather Conditions for Seaming
5. Seam Preparation
6. Trial Welds
7. General Seaming Procedures
8. Seaming Documentation

APPROVED - 03/01/2022

7300007943-QC-0001-001 - Fields Point Liquefaction Project - Received: 02/02/2022

4. SEAM TESTING - GEOMEMBRANE

4.1 – Concept

4.2 - Air Pressure Testing

1. Equipment for Air Testing
2. Procedure for Air Testing
3. Procedure for Non-Complying Test
4. Air Pressure Documentation

4.3 - Vacuum Testing

1. Equipment for Vacuum Testing
2. Procedure for Vacuum Testing
3. Procedure for Non-Complying Test
4. General Vacuum Testing Procedures
5. Vacuum Testing Documentation

4.4 Destructive Testing

1. Concept
2. Procedure for Destructive Testing
3. Procedure for Non-Complying Test

4.5 Laboratory Testing of Destructive Seam Samples

1. Destructive Seam Testing Laboratory
2. Acceptance Criteria

5. DEFECTS AND REPAIRS

5.1 Superintendent's Review

5.2 Technician's Responsibility

5.3 Repair Procedures

1. Patching
2. Grinding and Welding
3. Spot Welding or Seaming
4. Capping
5. Extrude Overlap

5.4 Verification of Repairs

APPROVED - 03/01/2022

7300007943-QC-0001-001 - Fields Point Liquefaction Project - Received: 02/02/2022

6. GEOTEXTILES

6.1 Handling and Placement

6.2 Seams and Overlaps

6.3 Repairs

7. GEONETS

7.1 Handling and Placement

7.2 Layering and Tying of Geonet

7.3 Repairs

8. GEOSYNTHETIC CLAY LINERS

8.1 Definition

8.2 Storage

8.3 Earthwork

8.4 GCL Placement

8.5 Seaming

8.6 Detail Work

8.7 Damage Repair

9. GEOCOMPOSITE

9.1 Handling and Placement

9.2 Seams & Overlaps

9.3 Repairs

Appendix A

* Subgrade Surface Acceptance
* Panel Placement Form
* Trial Weld Information Form
* Panel Seaming Form
* Non-Destructive Testing Form
* Destructive Test Log
* Repair Report

APPROVED - 03/01/2022

7300007943-QC-0001-001 - Fields Point Liquefaction Project - Received: 02/02/2022

APPROVED - 03/01/2022

7300007943-QC-0001-001 - Fields Point Liquefaction Project - Received: 02/02/2022

New England Liner Systems, Inc.

Construction Quality Control

1. INTRODUCTION

1 – Purpose

This manual addresses the Quality Control Program developed and utilized by New England Liner Systems, Inc. installation personnel to assure the quality of workmanship and the installation integrity of geomembranes and other geosynthetic products.

2 - Scope

All geosynthetic components of lining systems will be addressed in this manual, including geomembranes, geotextiles, geonets, geocomposites, and geosynthetic clay liners.

2. - MATERIAL DELIVERY

2.1 - Documentation of Material Delivery

A Quality Assurance representative should be present, whenever possible, to observe and assist in material delivery and unloading on site. This representative may be employed by the contractor or may be an employee of an independent CQA firm if so required by the project specifications. This QA representative is to note any material received in damaged state and to remove any necessary conformance samples.

Upon mobilization to site, a New England Liner Systems representative shall:

- Verify the equipment used on site is adequate and does not risk damage to the geomembrane or other materials.
- Mark rolls or portions of rolls that appear damaged.
- Verify that storage of materials ensures adequate protection against dirt, theft, vandalism, and passage of vehicles.
- Ensure that rolls are properly labeled and that labeling corresponds with the manufacturers quality control and shipping documents.
- Assist the Third Party QA Representative, if present, with material sampling or record keeping as may be required by the project specifications.

APPROVED - 03/01/2022

7300007943-QC-0001-001 - Fields Point Liquefaction Project - Received: 02/02/2022

3. - GEOMEMBRANE INSTALLATION

3.1 Earth Work

1 - *Standard Responsibilities* - The General and / or Earthwork Contractor shall be responsible for preparing and maintaining the subgrade in a condition suitable for installation of the liner unless specifically agreed otherwise.

2 - *Minimum QC Guidelines* - In cases where no site specific earthwork quality control guidelines exist, the following general guidelines should be followed.

a - Surfaces to be lined shall be smooth and free of debris, roots, and angular or sharp rocks. All fill shall consist of well-graded material, free of organics, trash, clayballs, or other deleterious material that may cause damage to the geomembrane. Unless otherwise required by design specifications, the upper six inches (6") of the finished subgrade shall not contain stones or debris larger than one-half inch (1/2"). The subgrade shall be compacted in accordance with design specifications, but in no event less than is required to provide a firm unyielding foundation sufficient to permit the movement of vehicles and welding equipment over the subgrade without causing rutting or other deleterious effects. The subgrade shall have no sudden sharp or abrupt changes in grade.

b - The Earthwork Contractor shall protect the subgrade from desiccation, flooding, and freezing. Protection, if required, may consist of a thin plastic protective cover *(or other material as approved by the engineer)* installed over the completed subgrade until such time as the placement of geomembrane liner begins. Subgrades found to have desiccation cracks greater than one-half inch (1/2") in width or depth, or which exhibit swelling, heaving, or other similar conditions shall be replaced or reworked by the General and / or Earthwork Contractor to remove these defects.

3 - *Surface Acceptance*. - Upon request, New England Liner Systems' Site Supervisor will provide the Owner's and / or Contractor's Representatives with a written acceptance of the surface to be lined. This acceptance will be limited to an amount of area that New England Liner Systems is capable of lining during a particular work shift. Subsequent repairs to the subgrade and the surface shall remain the responsibility of the Earthwork Contractor. An example of New England Liner Systems' Subgrade Surface Acceptance form is included in Appendix A.

3.2 - Crest Anchorage System

The anchor trench shall be excavated by the General and/or the Earthwork Contractor to lines and widths shown on the design drawings prior to geomembrane placement.

Anchor trenches excavated in clay soils susceptible to desiccation cracks should be excavated only the distance required for that days liner placement to minimize the potential of desiccation cracking of the clay soils.

Corners in the anchor trench shall be slightly rounded where the geomembrane adjoins the trench to minimize sharp bends in the geomembrane.

APPROVED - 03/01/2022

7300007943-QC-0001-001 - Fields Point Liquefaction Project - Received: 02/02/2022

3.3 - Preparation for Geomembrane Deployment

1 - *Panel Layout* - Prior to commencement of liner deployment, layout drawings shall be produced to indicate the panel configuration and general location of field seams for the project.

2 – *Identification* - Each panel used for the installation will be given a number, which will be correlated with a batch or roll number. This panel identification number shall be related on the NELS Panel Placement Form to a manufacturers roll or production number.

3.4 - Field Panel Placement

1 - *Weather Conditions* - Geomembrane deployment will generally not be done during any precipitation, in the presence of excessive moisture *(i.e. fog, dew* or *snow),* in an area of standing water, or during high winds. New England Liner Systems' site supervisor shall have sole desecration in determining the suitability of conditions for geomembrane deployment.

2 - *Location* - New England Liner Systems will attempt to install field panels as indicated on the layout drawing. If the panels are deployed in a location other than that indicated on the layout drawings, the revised location will be noted in the field on a record set of " As-Built" drawings. These notations will be maintained and submitted by New England Liner Systems and / or third party QA Consultants as required by project specifications, or contract requirements, on a site-specific basis.

3 - *Documentation of Panel Placement* - Information relating to geomembrane panel placement including date, time, panel number, and panel dimensions may be maintained on a site specific bases, on the Panel Placement Form as presented in Appendix A.

4 - *Method of Deployment* – Based upon site conditions, and to the extent possible, the method and equipment used to deploy the panels should not damage the geomembrane or the supporting subgrade surface. No personnel working on the geomembrane will wear shoes that can damage the geomembrane or engage in actions which could result in damage to the geomembrane. Adequate temporary loading and / or anchoring, (i.e. sandbags, tires), which will not damage the geomembrane, will be placed to prevent uplift of the geomembrane by wind. The geomembrane will be deployed with slack to allow for typical thermal expansion and contraction.

5 - *Damage Repairs* - Any area of a panel seriously damaged (torn, twisted, or crimped) will be marked and repaired in accordance with Paragraph 5 of this document.

3.5 - Geomembrane Field Seaming

1 - *General Requirements – Layout* - In general, seams shall be oriented parallel to the slope, i.e., oriented along, not across the slope. Each seam made in the field shall be numbered and indicated on the record drawings. Seaming information to include seam number, welder ID, machine number, and temperature setting may be recorded on New England Liner Systems' Panel Seaming Form as presented in Appendix A.

APPROVED - 03/01/2022

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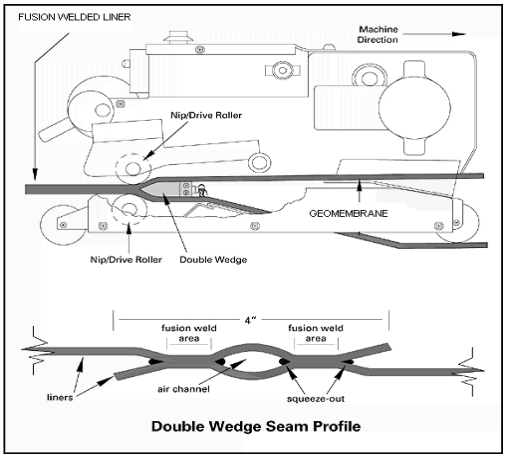
2 - *Personnel* - All personnel performing seaming operations shall be trained in the operation of the specific seaming equipment being used and will qualify by successfully welding a test seam as described in Paragraph 3.5.3.

3- *Equipment* - Fusion Welding consists of placing a heated wedge, mounted on a self propelled vehicular unit, between two over-lapped sheets such that the surfaces of both sheets are heated above the polyethylene's melting point. After being heated by the wedge, the overlapped panels pass through a set of pre-set pressure wheels which compress the two panels together to form the weld. The fusion welder is equipped with a device which continuously monitors the temperature of the wedge.



Double Wedge Seam Profile

Extrusion fillet welding consists of introducing a ribbon of molten resin along the edge of the overlap of the two geomembrane sheets to be welded. A hot-air preheat and the addition of molten polymer causes some of the material of each sheet to be liquefied resulting in a homogeneous bond between the molten weld bead and the surfaces of the overlapped sheets. The extrusion welder is equipped with gauges giving the temperature in the apparatus and a numerical setting for the preheating unit.

4 - *Weather Conditions for Seaming* - New England Liner Systems relies on the experience of the field superintendent and the results of test seams to determine whether seaming is restricted by weather. Many factors, such as the geomembrane temperature, humidity, wind, precipitation, etc., can effect the integrity of field seams and must be taken into account when deciding whether or not seaming should proceed. Test seams, as described in Paragraph **3.5.3,** are required prior to daily production seaming to determine if the weather conditions will effect New England Liner Systems ability to produce quality seams. Additional non-destructive and destructive testing of production seams substantiate the decision made by the field superintendent to seam on any given day.

5 - *Seam Preparation - Fusion Welding*

- Overlap the panels of geomembrane approximately four (4") to six (6") inches prior to welding. Clean the seam area prior to seaming to assure the area is clean and free of moisture, dust, dirt, or debris of any kind.
- No grinding is required for fusion welding.
- Adjust the panels so that seams are aligned with the fewest possible number of wrinkles and "fishmouths".
- A movable protective layer may be used, at the discretion of the New England Liner Systems Project Superintendent, directly below the overlap of the geomembrane that is to be seamed to prevent build-up of dirt or moisture between the panels.

5 - *Seam Preparation - Extrusion Fillet Welding*

- Whenever possible, the sheet will be pre-beveled prior to heat tacking into place.
- Overlap the panels of geomembrane approximately three inches (3").

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- Using a hot-air device, temporarily tack the panels of geomembrane to be welded, taking care not to damage the geomembrane.

- Clean the seam area prior to seaming to assure the area is clean and free of moisture, dust, dirt, and debris of any kind.

5 - *Seam Preparation - Extrusion Fillet Welding* (cont'd)

- Grind seam overlap prior to welding within one (1) hour of the welding operation in a manner that does not damage the geomembrane. Grind marks should be covered with extrudate whenever possible. In all cases grinding should not extend more than one-quarter inch (1/4") past the edge of the area covered by the extrudate during welding.

- Purge the extruder prior to beginning the seam to remove all heat-degraded extrudate from the barrel.

- Keep welding rod clean and dry.

6 - *Trial Welds* - Trial welds shall be conducted by welding technicians prior to each seaming period, every five (5) hours, as weather conditions dictate or as requested by NELS CQC personnel if welding problems are suspected. All trial welds will be conducted under the same conditions as will be encountered during actual seaming. Once qualified by a passing trial weld, welding technicians will not change parameters without performing another trial weld. Trail welds for fusion welds will be 15 feet long and extrusion trial welds will be a minimum of four feet (4') long. Upon completion of trial weld the welding technician shall:

- Visually inspect the seam for squeeze out, footprint, pressure, and general appearance.

- Cut three (3) one inch (1") wide specimens, one (1) from the middle of the seam and one foot (1') from each end of the test seam using a one inch (1") die cutter.

- Test specimens using a field tensiometer.

- Record test data in NELS Trial Weld data sheet.

In order for a trial weld to be considered acceptable, all three specimens must meet the following criteria:

- Exhibit Film Tearing Bond (FTB).

- Meet or exceed the minimum peel strength values listed in the membrane manufacturers material specification sheet or project specifications.

If any specimen is nonconforming the entire procedure shall be repeated. In the case of double track fusion welded seams, both welds must pass in order to be considered acceptable.

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Trial Weld Documentation – NELS' CQC Coordinator and / or Assistant will be present during trial weld testing and will record the date, time, operator, machine number, ambient and operating temperatures, speed setting, peel values, and pass / fail designation. All trail weld records shall be maintained on New England Liner Systems Trial Weld Form as exhibited in Appendix A.

The New England Liner Systems CQC Coordinator and / or Superintendent will give final approval to proceed with welding.

7 - *General Seaming Procedures* - Seaming shall extend into the anchor trench.

- While welding a seam, monitor and maintain the proper overlap.
- Inspect seam area to assure it is clean and free of moisture, dust, dirt, and debris of any kind.
- Welding Technicians will periodically check machine operating temperature and speed, and mark this information on the geomembrane.
- Align wrinkles at the seam overlap to allow welding through the wrinkle.
- "Fishmouths" or wrinkles at seam overlaps that cannot be welded through shall be cut along the ridge in order to achieve a flat overlap. The cut "fishmouth" or wrinkle shall be heat-tacked flat and extruded or patched with an oval or round patch of the same geomembrane extending a minimum of three inches (3") beyond the cut in all directions.
- All cross / butt seams between two (2) rows of seamed panels shall be welded during the coolest time of the day when practical, to allow for typical thermal expansion of the geomembrane.
- Prior to welding cross/butt seams, the top and bottom overlap of intersecting fusion-welded seams will be trimmed six inches (6"). Intersecting extrusion fillet welded seams will be ground to flatten the extrusion bead prior to welding butt seams.
- All "T" joints produced as a result of cross/butt seams shall be extrusion fillet welded. Overlap on each "leg" of the "T" joint will be trimmed back six inches (6"). Then grind three inches (3") minimum on each of the three (3) legs of the "T" and extrusion weld all of the area prepared by grinding.
- Whenever possible, Welding Technicians will cut a one inch (1") peel specimen at the end of every seam. Prior to welding the next seam, the specimen will be tested for peel.
- In the event non-complying seam test strips are encountered, the welding machine will be taken out of service until a passing trial weld is obtained, and additional peel specimens will be taken to localize the flaw. The CQC Coordinator may, after consulting with NEW ENGLAND LINER SYSTEMS' Site Superintendent, take destructive samples from any seam, if defects are suspected.

8 - *Seaming Documentation* - Welding Technicians will mark on the liner with permanent markers at the start of all seams information regarding, date, time, Welding Technician ID, machine number, and set temperature.

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- CQC Coordinator or Assistant will record date, time, seam number, Technician ID, machine ID, set temperature, and speed, conditions on the NEW ENGLAND LINER SYSTEMS Panel Seaming Form (See Appendix A).

- Welding Technicians will periodically check operating temperature and speed and mark the information along the seam.

- CQC Coordinator will make periodic checks on welding operations to verify overlap, cleanliness, etc.

4. SEAM TESTING - GEOMEMBRANES

4.1 – *Concept* - The welded seam created by New England Liner Systems' fusion welding process is composed of a primary seam and a secondary track that creates an unwelded channel. The presence of an unwelded channel permits New England Liner Systems fusion seams to be tested by inflating the sealed channel with air to a predetermined pressure and observing the stability of the pressurized channel over time.

New England Liner Systems performs non-destructive air-pressure testing in accordance with Geosynthetic Research Institutes Test Method GM-6.

4.2 - *Air Pressure Testing*

1. Equipment for Air Testing

- An air pump (manual or motor driven) capable of generating and sustaining a pressure between 20 to 60 psi.

- A rubber hose with fittings and connections.

- A sharp hollow needle, or other approved pressure feed device with a pressure gauge capable of reading and sustaining a pressure between 0 to 60 psi.

2 - *Procedure for Air Testing*

- Seal both ends of the seam to be tested.

- Insert needle or other approved pressure feed device into the sealed channel created by the fusion weld.

- Inflate the test channel in accordance with schedule detailed in table 1 and maintain the pressure within the range listed.

- Initial pressure settings are recorded after an optional two minute stabilization period. The purpose of this "relaxing period" is to permit the air temperature and pressure to stabilize.

- The initial pressure reading may be recorded once stabilization has taken place.

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- Observe and record the air pressure five (5) minutes after the initial pressure setting is recorded. If loss of pressure exceeds the following or if the pressure does not stabilize, locate the suspect area and repair in accordance with Section 4.2.3.

- At the conclusion of all pressure tests, the end of the air-channel opposite the pressure gauge is cut. A decrease in gauge pressure must be observed or the air channel will be considered "blocked" and the test will have to be repeated from the point of blockage. If the point of blockage cannot be found, cut the air channel in the middle of the seam and treat each half as a separate test.

- Remove the pressure feed needle and seal resulting hole by extrusion welding.

TABLE 1

GEOSYNTHETIC RESEARCH INSTITUTE			
GRI TEST METHOD GM-6			
Air Pressure Inflation Schedule for HDPE and Coextruded Polyethylene Geomembranes (Smooth & Textured)			
Geomembrane Thickness (mil)	*Minimum Pressure lbs. / sq in.*	*Maximum Pressure lbs. / sq in.*	*Max Pressure Drop over 5 minutes lbs. / sq in.*
40	24	30	4
60	27	30	3
80	30	35	2
100	30	35	2
Air Pressure Inflation Schedule for VLDPE & LLDPE, PVC, PP and other Nonreinforced Geomembranes (Smooth & Textured)			
Geomembrane Thickness (mil)	*Minimum Pressure lbs. / sq in.*	*Maximum Pressure lbs. / sq in.*	*Max Pressure Drop over 5 minutes lbs. / sq in.*
20	10	20	5
30	15	25	5
40	20	30	4
50	25	35	4
60	25	35	3

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3 - *Procedure for Non-Complying Test* - In the event of a Non-Complying Air Pressure Test, the following procedure shall be followed:

- Check seam end seals and retest seams.
- If a seam will not maintain the specified pressure, the seam should be visually inspected to localize the flaw. If this method is unsuccessful cut one inch (1") samples from each end of the seam.
- Perform destructive peel tests on the samples using the field tensiometer.
- If all samples pass destructive testing remove the overlap left by the wedge welder and vacuum test the entire length of seam in accordance with Paragraph 4.3.
- If a leak is located by the vacuum test, repair by extrusion fillet welding. Test the repair by vacuum testing.
- If no leak is discovered by vacuum testing, the seam will be considered to have passed non-destructive testing.
- If one or more peel specimens are in non-compliance, additional samples will be taken in accordance with Paragraph 4.4.3.
- When two (2) passing samples are located, the length of seam bounded by the two (2) passing test locations will be considered non-complying. The overlap left by the wedge welder will be heat tacked in place along the entire length of seam and the non-complying portion of seam will be extrusion fillet welded.
- Test the entire length of the repaired seam by vacuum testing in accordance with Paragraph 4.3.

5 - *Air Pressure Testing Documentation* All information regarding air-pressure testing, (date, initial time and pressure, final time and pressure, pass / fail designation, and Technicians ID will be written on one end of the seam, or portion of seam tested. All of the above information be logged on the NEW ENGLAND LINER SYSTEMS Non-Destructive Testing Form as exhibited in Appendix A.

4.3 - Vacuum Testing

This test is used on extrusion welds, or when the geometry of a fusion weld makes air pressure testing impossible or impractical, or when attempting to locate the precise location of a defect believed to exist after air pressure testing. The vacuum box testing procedures detailed herein are in accordance with ***EPA Technical Guidance Document EPA/600/R-93/182***, entitled ***Quality Assurance and Quality Control for Waste Containment Facilities***.

1 - *Equipment for Vacuum Testing*

- A self contained vacuum box unit specifically designed for the testing of geomembranes, with vacuum motor and vacuum gauge. In lieu of a self contained vacuum box unit the following component parts may also be used.

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- Vacuum box assembly consisting of a rigid housing with a soft neoprene gasket attached to the open bottom, a transparent viewing window, port hole or valve assembly, and a vacuum gauge.
- Vacuum pump or Venturi assembly equipped with a pressure controller and pipe connection.
- A rubber pressure / vacuum hose with fittings and connections.
- A bucket and means to apply a soapy solution.
- A soapy solution.

2 - *Procedure for Vacuum Testing*

- Trim excess overlap from the seam, if any.
- Apply a generous amount of a strong solution of liquid detergent and water to the area to be tested.
- Place the vacuum box over the area to be tested and apply sufficient downward pressure to "seat" the seal strip against the liner.
- Turn on the vacuum pump / compressor to reduce the pressure within the vacuum box to approximately 6 in / Hg *(inches of mercury*), or - 3 lbs / in ^{2}.
- Ensure that a leak tight seal is created.
- For a period of approximately 10 seconds, examine the geomembrane through the viewing window for the presence of soap bubbles.
- After this period close the vacuum valve and open the bleed valve, move the box over the next adjoining area with a minimum three inch (3") overlap, and repeat the process.

3 - *Procedure for Non-Complying Test*

- Mark all areas where soap bubbles appear and repair the marked areas in accordance with Paragraph 5.3.
- Retest repaired areas.

4 - *General Vacuum Testing Procedures*

Vacuum box testing will be performed by qualified construction personnel.

- Overlap must be trimmed prior to vacuum boxing all seams.
- Special attention shall be exercised when vacuum testing "T" seams or patch intersections with seams.

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5 - *Vacuum Testing Documentation*

- Vacuum testing crew will use Mean Streak permanent markers to write on liner indicating tester's ID number, date, and pass/fail designation on all areas tested.

- Records of vacuum testing will be maintained by the CQC Coordinator or testing crew on NEW ENGLAND LINER SYSTEMS Non-Destructive Testing Form or NEW ENGLAND LINER SYSTEMS Repair Report Form.

4.4 - Destructive Testing

1 – *Concept* - The purpose of destructive testing is to determine and evaluate seam strength. These tests require direct sampling and thus subsequent patching. Therefore, destructive testing should be held to a minimum to reduce the amount of repairs to the geomembrane.

2 - *Procedure for Destructive Testing*

- Destructive test samples shall be marked and cut out randomly at a minimum average frequency of one (1) test location per 500 feet of seam length, unless otherwise specified or agreed.

- Location of destructive samples will be selected by CQC Coordinator *(or the third party QA Representative)*, with samples cut by NEW ENGLAND LINER SYSTEMS Construction or CQC Personnel.

- Destructive samples should be taken and tested as soon as possible after the seams are welded (the same day), in order to receive test results in a timely manner.

- Qualified NEW ENGLAND LINER SYSTEMS personnel will observe all field destructive testing and record date, time, seam number, location, and test results on NEW ENGLAND LINER SYSTEMS Destructive Testing Form as contained in Appendix A.

- All destructive test locations with pass / fail designation will be marked on liner with permanent Mean Streak markers.

- The sample should be twelve inches (12″) wide with a seam sixteen inches (16″) long centered length-wise in the sample. The sample may be increased in size to accommodate independent laboratory testing by the Owner at the Owner's request or by site specific project specifications.

- A one-inch (1″) specimen shall be cut from each end of the test seam for field testing. The two (2) one inch (1″) wide specimens shall be tested on a field tensiometer for peel strength. If either field specimen does not pass, it will be assumed the sample would also not pass laboratory destructive testing.

- The procedure outlined in Paragraph 4.4.3 shall be followed to locate passing samples to send to the laboratory.

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3 - *Procedure for Non-Complying Destructive Test*

- Cut additional field samples for peel testing. In the case of a field production seam, the samples must lie a minimum of ten (10') feet in each direction from the location of the initial non-complying sample. Perform a field test for peel strength. If these field samples pass, then laboratory samples can be cut and forwarded to the laboratory for full testing.

- If the laboratory samples pass, then repair the seam between the two (2) passing sample locations according to procedures detailed in Section 5.3.

- If either of the samples are still in non-compliance, then additional samples are taken in accordance with the above procedure until two (2) passing samples are found to establish the zone in which the seam should be reconstructed.

- All passing seams must be bounded by two (2) locations from which samples passing laboratory destructive tests have been taken.

- In cases of repaired seams exceeding 150 consecutive feet, a sample must be taken and pass destructive testing from within the zone in which the seam has been reconstructed. Each destructive must be considered a seam.

- All destructive seam samples shall be numbered and recorded on New England Liner Systems International's Destructive Test Form as exhibited in Appendix A.

4.5 - Laboratory Testing of Destructive Seam Samples

1 - *Destructive Seam Testing* Laboratory Seam destructive samples may be sent to an independent third party laboratory or tested on site when permitted by a site specific quality control plan or in the event that third party laboratory destructive testing is not being performed.

2 - *Acceptance Criteria* Destructive samples will be tested for "shear strength" and Peel Adhesion" (ASTM D4437 as modified by NSF). Five (5) specimens shall be tested for each test method. Four (4) out of the five (5) specimens must exhibit FTB (as defined by NSF Standard Number 54-1993) for each round of peel and shear testing. In addition, four (4) of the five (5) individual specimens and the average of the five (5) peel and shear tests must meet or exceed the strength requirements as listed in the manufacturers material specification sheet in order for the seam to pass the destructive test.

5. - DEFECTS AND REPAIRS

1 - *Superintendent's Review* - New England Liner Systems International's CQC Coordinator and/or Project Superintendent shall conduct a detailed walk through and visually check all seams and non-seam areas of the geomembrane for defects, holes, blisters, and signs of damage during installation.

2 - Technician's Responsibility - All other New England Liner Systems installation personnel shall, at all times, be on the lookout for any damaged areas. Damaged areas shall be marked and repaired.

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3 - *Repair Procedures* - Any portion of the geomembrane or geomembrane seam showing a flaw, or having a destructive or non-destructive test in non-compliance shall be repaired. Several procedures exist for repair and the decision as to the appropriate repair procedure shall be made by New England Liner Systems' Project Superintendent.

Procedures available for repair include the following:

- Patching Used to repair large holes, tears, and destructive sample locations. All patches shall extend at least three inches (3") beyond the edges of the defect and all corners of patches shall be rounded.
- Grinding and Welding Used to repair sections of extruded fillet seams.
- Spot Welding or Seaming Used to repair small tears, pinholes, or other minor localized flaws.
- Capping Used to repair lengths of extrusion or fusion welded seams.
- Extrude Overlap Runs along the length of fusion welded seams.

4 - *Verification of Repairs* - Every repair shall be non-destructively tested. Repairs which pass the non-destructive test shall be deemed acceptable. Non-destructive testing of repair shall be logged on a New England Liner Systems' Repair Report Form.

6. - GEOTEXTILES

1 - *Handling and Placement* - All geotextiles shall be handled in a manner to ensure they are not damaged. The following special handling requirements shall be adhered to:

- On slopes, the geotextiles shall be secured in the anchor trench and then rolled down the slope when practical. In any event it should be deployed in such a manner as to continually keep the geotextile sheet in sufficient tension to reduce folds and wrinkles.
- In presence of wind, all geotextiles shall be weighted with sandbags or the equivalent.
- Care shall be taken not to entrap stones or excessive dirt that could damage the geomembrane, or generate clogging of drains or filters.

2 - *Seams and Overlaps* - Geotextiles may be seamed by thermal bonding or by sewing.

- On slopes steeper than ten (10) horizontal to one (1) vertical, it is recommended that geotextiles be continuously sewn along the entire length of the seam.
- Geotextiles shall be overlapped a minimum of four (4") inches prior to sewing.
- On Cell Floors and slopes shallower than ten (10) horizontal to one (1) vertical, geotextiles can be either sewn as indicated above or thermally bonded.

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- If thermally bonded the geotextile shall be overlapped a minimum of four inches (4") prior to seaming.

3 – *Repairs* - Any holes or tears in the geotextile shall be repaired as follows:

- On Slopes - A patch made from the same geotextile shall be seamed into place.

- Horizontal Areas - A patch made from the same geotextile shall be spot-seamed in place with a minimum of twelve inches (12") overlap in all directions.

7. GEONETS

1 - *Handling and Placement* - The geonets shall be handled in such a manner as to ensure the geonets are not damaged in any way.

- On slopes, the geonets shall be secured in the anchor trench and then rolled down the slope in such a manner as to continually keep the geonet sheet in tension.

- If necessary, the geonet shall be positioned by hand after being unrolled to minimize wrinkles. Geonets can be placed in the horizontal direction (i.e., across the slope) in some special locations *(across slopes and special locations where extra layers are required or where slope is less than 10:1)*.

- Geonets shall not be welded to geomembranes. Geonets shall be cut using approved cutters, i.e. , hook blade, scissors, etc. Care should be taken to prevent damage to underlying layers.

- Care must be taken not to entrap dirt in the geonet that could cause clogging of the drainage system, and/or stones that could damage the adjacent geomembrane.

2 - *Layering and Tying of Geonet* - When several layers of geonets are installed, care should be taken to prevent the strands of one layer from penetrating the channels of the next layer.

Adjacent geonets shall be joined according to the following requirements.

- Adjacent rolls shall be overlapped by at least four inches (4") and securely tied.

- Tying can be achieved by plastic fasteners. Tying devices shall be white or yellow for easy inspection. Metallic devices are not allowed.

- Tying shall be five (5') to ten (10') along the bottom, every five (5') along the slope every two feet (2') across the slope and at top of berm and into anchor trench at least with one (1') foot intervals.

- When more than one layer of geonet is installed, overlaps must be staggered.

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3 – *Repairs* - Any holes or tears in the geonet shall be repaired by placing a patch extending two feet (2') beyond edges of the hole or tear. The patch shall be secured to the original geonet by tying every twelve inches (12"). If the hole or tear width across the roll is more than 50% the width of the roll, the damaged area shall be cut out and the two (2) portions of the geonet shall be joined.

8. GEOSYNTHETIC CLAY LINERS

1 *Definition* - Geosynthetic Clay Liner (GCL). A manufactured hydraulic barrier consisting of clay bonded to a layer or layers of geosynthetics. The GCL may be reinforced or unreinforced as required by site conditions.

2 *Storage* **-** A dedicated storage area shall be selected at the job site that is away from high traffic areas and is level, dry and well-drained.

Rolls should be stored in a manner that prevents sliding or rolling from the stacks and may be accomplished by the use of chock blocks or by use of the dunnage shipped between rolls. Rolls should be stacked at a height no higher than that at which the lifting apparatus can be safely handled (typically no higher than four).

All stored GCL materials and the accessory bentonite must be covered with a plastic sheet or tarpaulin until their installation.

The integrity and legibility of the labels should be preserved during storage.

3 *Earthwork* - Any earthen surface upon which the GCL is installed shall be prepared and compacted in accordance with the project specifications and drawings. The surface shall be smooth, firm, and unyielding, and free of:

- Vegetation.
- Construction Debris.
- Sticks.
- Sharp rocks.
- Void spaces.
- Ice.
- Abrupt elevation changes.
- Standing water.
- Cracks larger than one-quarter inch (6 mm) in width.
- Any other foreign matter that could contact the GCL.

Subgrade surfaces consisting of granular soils or gravel may not be acceptable due to their large void fraction and puncture potential. Subgrade soils should possess a particle size distribution such that at least 80 percent of the soil is finer than a #60 sieve (0.250 mm).

Immediately prior to GCL deployment, the subgrade shall be final-graded to fill in all voids or cracks and then smooth-rolled to provide the best practicable surface for the GCL. At completion of this activity, no wheel ruts, footprints or other irregularities shall exist in the subgrade. Furthermore, all protrusions extending more than one-half inch (12 mm) from the surface shall either be removed, crushed or pushed into the surface with a smooth-drum compactor.

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4 GCL Placement –

A. Unreinforced GCL shall be placed on the flatter areas of the site; reinforced GCL shall be placed on the more steeply sloped areas. The Installer and Project engineer shall review and agree upon which GCL shall be placed on these areas prior to installation.

B. GCL rolls should be delivered to the working area of the site in their original packaging. Immediately prior to deployment, the packaging should be carefully removed without damaging the GCL. The orientation of the GCL (i.e., which side faces up) should be in accordance with the Engineer's recommendations.

C. Equipment which could damage the GCL shall not be allowed to travel directly on it. If the installation equipment causes rutting of the subgrade, the subgrade must be restored to its originally accepted condition before placement continues.

D. Care must be taken to minimize the extent to which the GCL is dragged across the subgrade in order to avoid damage to the bottom surface of the GCL. A temporary geosynthetic subgrade covering commonly known as a slip sheet or rub sheet may be used to reduce friction damage during placement.

E. The GCL shall be placed so that seams are parallel to the direction of the slope.

F. All GCL panels should lie flat on the underlying surface, with no wrinkles or folds, especially at the exposed edges of the panels.

G. Only as much GCL shall be deployed as can be covered at the end of the working day with soil, a geomembrane, or a temporary waterproof tarpaulin.

5 *Seaming* -

A. The GCL seams are constructed by overlapping their adjacent edges. Care should be taken to ensure that the overlap zone is not contaminated with loose soil or other debris. Supplemental bentonite may be required for certain GCL products such as Bentomat® CL, Bentomat® DN and Bentomat® ST.

B. The minimum dimension of the longitudinal overlap should be 6 inches (150 mm). End-of-roll overlapped seams should be similarly constructed, but the minimum overlap should measure 24 inches (600 mm).

C. Seams at the ends of the panels should be constructed such that they are shingled in the direction of the grade to prevent the potential for runoff flow to enter the overlap zone.

D. Bentonite-enhanced seams are constructed between the overlapping adjacent panels described above. The underlying edge of the longitudinal overlap is exposed and then a continuous bead of granular sodium bentonite is applied along a zone defined by the edge of the underlying panel and the 6-inch (150 mm) line. A similar bead of granular sodium bentonite is applied at the end-of-roll overlap. The bentonite shall be applied at a minimum application rate of one quarter pound per lineal foot (0.4 kg/m).

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6 *Detail Work* The GCL shall be sealed around penetrations and embedded structures embedded in accordance with the design drawings and the GCL Manufacturers installation guidelines.

7 *Damage Repair* If the GCL is damaged (torn, punctured, perforated, etc.) during installation, it may be possible to repair it by cutting a patch to fit over the damaged area. The patch shall be obtained from a new GCL roll and shall be cut to size such that a minimum overlap of 12 inches (300 mm) is achieved around all of the damaged area. Dry bentonite or bentonite mastic should be applied around the damaged area prior to placement of the patch. It may be desirable to use an adhesive to affix the patch in place so that it is not displaced during cover placement.

8 *Cover Placement*

A. Cover soils shall be free of angular stones or other foreign matter which could damage the GCL. Cover soils should be approved the project Engineer with respect to particle size, uniformity and chemical compatibility. Cover soils with high concentrations of calcium (e.g., limestone, dolomite) are not acceptable.

B. Soil cover shall be placed over the GCL using construction equipment that minimizes stresses on the GCL. A minimum thickness of 1 foot (300 mm) of cover should be maintained between the equipment tires/tracks and the GCL at all times during the covering process. This thickness recommendation does not apply to frequently trafficked areas or roadways, for which a minimum thickness of 2 feet (600 mm) is required.

C. Soil cover should be placed in a manner that prevents the soil from entering the GCL overlap zones. Cover soil shall be pushed up slopes, not down slopes, to minimize tensile forces on the GCL.

D. Although direct vehicular contact with the GCL is to be avoided, lightweight, low ground pressure vehicles (such as 4-wheel all-terrain vehicles) may be used to facilitate the installation of any geosynthetic material placed over the GCL. The GCL supplier or CQA engineer should be contacted with specific recommendations on the appropriate procedures in this situation.

E. When a textured geomembrane is installed over the GCL, a temporary geosynthetic covering known as a slip sheet or rub sheet should be used to minimize friction during placement and to allow the textured geomembrane to be more easily moved into its final position.

APPROVED - 03/01/2022

7300007943-QC-0001-001 - Fields Point Liquefaction Project - Received: 02/02/2022

9. – GEOCOMPOSITE

1 - *Handling and Placement* All Geocomposites shall be handled in a manner to ensure they are not damaged. The following special handling requirements shall be adhered to:

- On slopes, the geocomposites shall be secured in the anchor trench and then rolled down the slope when practical. In any event it should be deployed in such a manner as to continually keep the geocomposite sheet in sufficient tension to reduce folds and wrinkles.

- In the presence of high wind, all geocomposites shall be weighted with sandbags or the equivalent.

- Geocomposite shall be cut using an approved cutter, i.e. hook blade. If the material is being cut in place, special care must be taken to protect other geosynthetic materials from damage.

- Care shall be taken not to entrap stones or excessive dust that could damage the geomembrane, or generate clogging of drains or filters.

2 - *Seams and Overlaps* Geocomposites may be seamed by thermal bonding or by sewing.

- On slopes steeper than then (10) horizontal to one (1) vertical, it is recommended that geocomposites be continuously sewn. The geotextile must be overlapped by at least three (3) inches, the geonet overlap by approx. four (4) inches.

- On slopes shallower than ten (10) horizontal to one (1) vertical, geocomposites can be either sewn as indicated above or thermally bonded.

- Tying of the geonet will be with plastic fasteners. Tying devices shall be white or yellow for easy inspection. Metallic devices are not allowed.

- Tying shall be every five (5') to ten (10') feet across the bottom, every five (5') feet along the slope, at the top of the berm and into anchor trench at least with one (1') intervals. End to end joints on the bottom will be overlapped two (2') with no tying.

3 – *Repairs* The repair will be observed and if smaller than three (3') by three (3') the geocomposite will be repaired. If the tear or hole is larger, then the roll will be cut and a butt joint placed.

- If the geonet is undamaged, and the geotextile is damaged, a patch of geotextile shall be placed. The geotextile patch shall be thermally bonded in place with a minimum of twelve (12") inches overlap in all directions.

- If the geonet is damaged, the damaged geonet shall be removed. A section of geonet shall be cut to replace the removed section. The geonet shall be tied to the existing geonet using plastic fasteners placed at least every six (6") overlap. A geotextile patch shall be placed over the repaired geonet section. The geotextile patch shall be thermally bonded in place with a minimum of twelve (12") inch overlap in all directions.

APPROVED - 03/01/2022

7300007943-QC-0001-001 - Fields Point Liquefaction Project - Received: 02/02/2022

agru america
quality control dept

New England Liner Systems
Iron Horse Park - Pan Am Railways - AOC 1
1700 Iron Horse Park Road
North Billerica, MA 01862

SO#:	**00010335**

FG-LDMSDS060BBBEA	8 rolls @ 520	95,680 ft.²
FC-COMPP-08-330-08	51 rolls @ 130	96,135 ft.²

Roll #	**Width**	**English Length**	**Area**	**Item**	**Count**	**Weight**	**Resin Lot #**
	ft.	ft.	ft.²			lbs.	
GTB0058540047	23	520	11,960	**FG-LDMSDS060BBBEA**	1	**3982**	**DMC811650**
GTB0058540048	23	520	11,960	**FG-LDMSDS060BBBEA**	2	**3984**	**DMC811650**
GTB0058540049	23	520	11,960	**FG-LDMSDS060BBBEA**	3	**3980**	**DMC811650**
GTB0058540050	23	520	11,960	**FG-LDMSDS060BBBEA**	4	**3984**	**DMC811650**
GTB0058540051	23	520	11,960	**FG-LDMSDS060BBBEA**	5	**4101**	**DMC811650**
GTB0058540052	23	520	11,960	**FG-LDMSDS060BBBEA**	6	**3900**	**DMC811650**
GTC0071780003	23	520	11,960	**FG-LDMSDS060BBBEA**	7	**4127**	**20IB653**
GTC0071780004	23	520	11,960	**FG-LDMSDS060BBBEA**	8	**4129**	**20IB653**
			95,680 running total				

APPROVED - 03/01/2022

7300007943-QC-0002-001 - Fields Point Liquefaction Project - Received: 02/02/2022

agru america quality control dept.

Maria Coffey-Manager
Quality Control Department

New England Liner Systems
Iron Horse Park - Pan Am Railways - AOC 1
1700 Iron Horse Park Road
North Billerica, MA 01862

SO#: **00010335** MQC#: **8038**
Liner Type: **60LL microspike**
Item: **FG-LDMSDS060BBBEA**
Current # of Rolls: **8**
Roll Count: **1-8 (all)**
Report Date: **3/17/2021** **ENGLISH**

					ASTM D5994 (Modified)			ASTM D7466				ASTM D3895	ASTM D792	ASTM D1238	ASTM D4218	ASTM D5596	ASTM D6693						ASTM D1004		ASTM D4833	
Count	Roll #	(English)			Thickness (English)			Asperity (Top)	Asperity (Bottom)	Weight	Lot #	OIT (Standard)	Specific Gravity	Melt Flow Index	Carbon Black Content	Carbon Black Disp.	Tensile Str. @Break (MD)		Tensile Str. @Break (TD)		Elong. @Break (MD)	Elong. @Break (TD)	Tear Resistance (MD)	Tear Resistance (TD)	Puncture Resistance	Production Date
		Width	Length	Area	Min.	Max.	Ave.	Avg.	Avg.																	
		ft.	ft.	ft.²	mils	mils	mils	mils	mils	lbs.		min	g/cc	g/10 min.	%	# in Cat. 1 & 2	ppi	psi	ppi	psi	%	%	lbs.	lbs.	lbs.	
	Minimum Results (ea. Col.)				58	63	60	24	25	3900		140	0.935	0.36	2.3	10	213	3272	209	3284	516	588	44	44	124	
1	GTB0058540047	23	520	11,960	60	65	62	31	28	3982	DMC811650	181	0.935	0.36	2.4	10	256	3851	233	3525	516	659	51	55	131	10/10/2020
2	GTB0058540048	23	520	11,960	60	66	63	31	28	3984	DMC811650	181	0.935	0.36	2.4	10	240	3638	234	3640	565	656	51	55	131	10/10/2020
3	GTB0058540049	23	520	11,960	60	65	62	30	28	3980	DMC811650	181	0.935	0.36	2.4	10	240	3638	234	3640	565	656	51	55	131	10/10/2020
4	GTB0058540050	23	520	11,960	61	65	63	30	28	3984	DMC811650	181	0.935	0.36	2.4	10	240	3638	234	3640	565	656	51	55	131	10/10/2020
5	GTB0058540051	23	520	11,960	62	68	64	25	25	4101	DMC811650	181	0.935	0.36	2.5	10	240	3638	234	3640	565	656	51	55	131	10/10/2020
6	GTB0058540052	23	520	11,960	58	63	60	24	25	3900	DMC811650	181	0.935	0.36	2.5	10	218	3576	220	3551	561	649	47	47	124	10/10/2020
7	GTC0071780003	23	415	9,545	60	66	63	33	27	4127	20IB653	140	0.935	0.50	2.4	10	213	3272	209	3284	537	588	44	44	130	3/16/2021
8	GTC0071780004	23	415	9,545	58	67	62	32	29	4129	20IB653	140	0.935	0.50	2.3	10	213	3272	209	3284	537	588	44	44	130	3/16/2021

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CoA Date: 07/22/2020

Certificate of Analysis

Shipped To: AGRU AMERICA INC:GEORGETOWN
500 GARRISON RD
GEORGETOWN SC 29440
USA

Recipient: PALMER
Fax:

Delivery #: 80245163
PO #: 17475
Weight: 187350.000 LB
Ship Date: 07/22/2020
Package: BULK
Mode: Hopper Car
Car #: CBFX471918
Seal No: 199456

Product:
MARLEX 7104 POLYETHYLENE in Bulk

Lot Number: DMC811650

Property	Test Method	Value	Unit
Melt Index	ASTM D1238	0.35	g/10min
HLMI	ASTM D1238	14.30	g/10min
Pellet Count	ST-905	31	pelet/gram
Production date		20200323	
Density	D1505	0.919	g/cm3

The data set forth herein have been carefully compiled by Chevron Phillips Chemical Company LP (CPChem).
However, there is no warranty of any kind, either expressed or implied, applicable to its use, and the user assumes all risk and liability in connection therewith.

T. KEVIN AYRES
QUALITY ASSURANCE SUPERINTENDENT

For CoA questions contact Shannon Blacknall at +1-832-813-4807

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7300007943-QC-0002-001 - Fields Point Liquefaction Project - Received: 02/02/2022

Formosa Plastics

FORMOSA PLASTICS CORPORATION, TEXAS

201 FORMOSA DRIVE
PO BOX 700
POINT COMFORT TX 77978
PHONE:(888)FPCUSA3

Certificate of Analysis

(CONFIDENTIAL)

CUSTOMER:AGRU AMERICA
171 HWY 905

CONWAY SC 29526

PRODUCT :L91904B
RAILCAR FPAX215448
CLEANING/INSPECTION NO: 215448092820

S/O NO : JV9A393
CUSTOMER PO : 17667
DATE SHIPPED: 10/08/20
LOT NO : 20IB653
WEIGHT (LB) : 174,900.00
CUSTID:FT03888 SPIDM1

TEST ITEM	REFERENCE METHOD	TEST VALUE
Melt Index, g/10min	ASTM D1238	.50
Density, g/cm3	ASTM D1505	.9197

Linda Kao

QC SUPERVISOR: LINDA KAO

APPROVED - 03/01/2022

Vergil H. Rhodes, PE, CPlasT - Tech Svc & App Dev Engineer, Geomembranes
Highways 60 & 123, Bartlesville Research and Technology Center, Room 103 PTC
Bartlesville, OK 74003
■ 918-977-4229 ■ rhodevh@cpchem.com ■ Fax: 918-977-7599 ■ www.cpchem.com

October 31, 2017
Filename: Agru Oven and QUV Exposure Testing_103117.pdf

Nathan Ivy - Corporate Quality Control/Technical Manager
Agru America, Inc.
800 Rockmead #122
Kingwood, TX 77339
281-358-4741

Dear Mr. Ivy:

Please recall your request for testing of oven-exposed and UV-exposed geomembrane samples produced primarily from Marlex® 7104 LLDPE and Marlex® K307 HDPE. Agru blended other components with each of these polyethylenes to produce the geomembrane samples for testing. Smooth geomembrane samples have been received from Agru and test results are reported below. The samples were tested for HP-OIT in their as-received condition, and were also tested after oven and UV exposures of 90 days and 1600 hours of irradiance, respectively, in accordance with GRI-GM13 and GRI-GM17.
The following geomembrane sheet samples were received from Agru in mid-June 2017 and were reported to be primarily composed of each of the Chevron Phillips Chemical Company grades in the description below:

- K307 Lot #HHB620720, Agru Roll #G17D000534, black sheet, smooth, nominal 0.040" thick.
- 7104 Lot #CFJ810540, Agru Roll #G15B434055, black sheet, smooth, nominal 0.040" thick.

Exposure and testing conditions, along with the test results are tabulated on the next page. GM-13 and GM-17 require minimum % HP-OIT retention after a 90-day oven exposure and after a 1600 hour UV irradiance exposure. These test results indicate these GM-13 and GM-17 minimum % HP-OIT retentions were exceeded by these Agru-supplied K307 and 7104 sheet samples, respectively.

If you have any questions, please feel free to contact me (contact information given above).

Sincerely,

Vergil Rhodes
Polyethylene Technical Service and Applications Development, Geomembrane

NOTICES
Technical Information - By using any Technical Information contained herein, Recipient agrees that said Technical Information is given by CPChem for convenience only, without any warranty or guarantee of any kind, and is accepted and used at your sole risk. Recipients are encouraged to verify independently any such information to their reasonable satisfaction. As used in this paragraph, "Technical Information" includes any technical advice, recommendations, testing, or analysis, including, without limitation, information as it may relate to the selection of a product for a specific use and application.

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The following oven aging and UV exposure test methods were conducted in accordance with the GRI-GM13 (HDPE) and GRI-GM17 (LLDPE) requirements:

Test Name	**Exposure Conditions**	**Test Method**
Oven Aging	90 days in an oven at 85 °C	ASTM D5721
UV Exposure	1600 UV irradiance hours. Cycle: 20 hours UVA-340 at 75 °C followed by 4 hours dark with condensation at 60 °C. Irradiance was 0.78 W/m^2 at wavelength 340 nm. Note: This implies a total UV chamber residence time of 1920 hours, e.g., 1600 hours of irradiance and 320 hours of dark/condensation.	ASTM D7238
HP-OIT	150 °C in an oxygen atmosphere at 500 psi	ASTM D5885

Oven Aging Results:

Sample	Initial HP-OIT (min)	HP-OIT after 90 days of oven aging. (min)	% HP-OIT Retained after 90 days of oven aging.	GRI-GM13 and GRI-GM17 minimum % HP-OIT retained after 90 days of oven aging.
K307 Lot #HHB620720, Agru Roll #G17D000534, black sheet, smooth, nominal 0.040" thick	1264	1123	89	GRI-GM13: 80 minimum
7104 Lot #CFJ810540, Agru Roll #G15B434055, black sheet, smooth, nominal 0.040" thick	550	508	92	GRI-GM17: 60 minimum

UV Aging Results:

Sample	Initial HP-OIT (min)	HP-OIT after 1600 hrs of UV exposure. (min)	% HP-OIT Retained after 1600 hrs of UV exposure.	GRI-GM13 and GRI-GM17 minimum % HP-OIT retained after 1600 hrs of UV exposure.
K307 Lot #HHB620720, Agru Roll #G17D000534, black sheet, smooth, nominal 0.040" thick	1264	1024	81	GRI-GM13: 50 minimum
7104 Lot #CFJ810540, Agru Roll #G15B434055, black sheet, smooth, nominal 0.040" thick	550	470	85	GRI-GM17: 35 minimum

Note: 1600 hours of UV exposure in accordance with ASTM D7238 implies a total UV chamber residence time of 1920 hours, e.g., 1600 hours of irradiance and 320 hours of darkness with condensation.

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September 29, 2016
January 11, 2017 Updated UV Resistance (D 7238) & Oven Aging (D 5721)

Mail To:

Nathan Ivy
Agru America
500 Garrison Rd
Georgetown, SC 29440

email: nivy@agruamerica.com

Bill To:

<= Same

Dear Mr. Ivy:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs.
TRI is pleased to submit this final report of the laboratory testing for the sample(s) listed below.

Project: **Trial 16-006**

TRI Job Reference Number: 24280

Material(s) Tested: One, Agru 40 mil Smooth LLDPE Geomembrane

Test(s) Requested: 2% Secant Modulus (ASTM D 5323)
Multi-axial Tensile (ASTM D 5617)
Data Updated==> UV Resistance (ASTM D 7238)
Data Updated==> Oven Aging (ASTM D5721)

If you have any questions or require any additional information, please call us at 1-800-880-8378

Sincerely,

Mansukh Patel
Laboratory Manager
Geosynthetic Services Division
www.GeosyntheticTesting.com

*Signature is on file

The testing herein is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

TRI ENVIRONMENTAL, INC.
9063 BEE CAVES RD. – AUSTIN, TX 78733 – USA | PH: 800.880.TEST OR 512.263.2101

APPROVED - 03/01/2022

GEOMEMBRANE TEST RESULTS
TRI Client: Agru America
Project: Trial 16-006

Material: Agru 40 mil Smooth LLDPE Geomembrane
Sample Identification: G16D002549 , , Formasa L91507H
TRI Log #: 24280

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
2% Secant Modulus (ASTM D 5323, 2 ipm strain rate, modulus at 2% strain)												
MD 2% Secant Modulus (psi)	30710	32447	32924	31549	30236						**31573**	1132
MD 2% Secant Modulus (ppi)	1367	1430.9	1481.6	1303	1285						**1373**	83
TD 2% Secant Modulus (psi)	33432	30097	32079	34335	32442						**32477**	1596
TD 2% Secant Modulus (ppi)	1381	1258.1	1340.9	1407.7	1326.9						**1343**	57
Multi-axial Tensile (ASTM D 5617)												
Thickness (mils)	40	38	40								**40**	1
Maximum Stress (psi)	1540	1612	1590								**1581**	37
% Elongation @ Rupture (%)	90.6	107.6	86.3								**94.8**	11.3
Failure Description	H-CAT N-EF	TDT N-EF	MDT N-EF									

MDT A tear in the machine direction.
H Circular or elliptical hole in the specimen.
H-CAT Circular or elliptical hole in an area where the material has significantly necked down or thinned. The large thinned area resembles a pupil of a cat eye.
N-EF No edge failure

The testing herein is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

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APPROVED - 03/01/2022

GEOMEMBRANE TEST RESULTS
TRI Client: Agru America
Project: Trial 16-006

Material: Agru 40 mil Smooth LLDPE Geomembrane
Sample Identification: G16D002549 , , Formasa L91507H
TRI Log #: 24280

PARAMETER	TEST REPLICATE NUMBER										MEAN	STD. DEV.
	1	2	3	4	5	6	7	8	9	10		
UV Resistance (ASTM D 7238)												
The resistance to degradation due to exposure to ultraviolet light and moisture was determined in accordance with GRI-GM11, Accelerated Weathering of Geomembranes Using a Fluorescent UVA Device. This standard covers the basic principles for using the QUV apparatus to accelerate the weathering of geomembranes using UVA bulbs and condensation. To comply with Specification GRI GM13, the sample was exposed to 1600 hours of UV exposure composed of 80 cycles of UA at 75 C for 20 hours followed by condensation at 60 C for 4 hours. The High Pressure Oxidative Induction Time (HPOIT) was evaluated before and after the exposure and results were as follows.												
												PERCENT RETAINED
HPOIT (minutes) - Baseline	574										**574**	
HPOIT (minutes) - After QUV Aging	418										**418**	73
Note: No surface cracking was observed.												
Oven Aging (ASTM D 5721)												
The geomembrane was exposed to 90 days of elevated temperature exposure in an air oven maintained at 85°C ± 0.5°C in accordance with ASTM D 5721-95, Standard Practice for Air-Oven Aging of Polyolefin Geomembranes. High Pressure Oxidative Induction Time (HPOIT) was tested after exposure and compared to values generated for unexposed material. The results are provided below.												
												PERCENT RETAINED
HPOIT (minutes) - Baseline	574										**574**	
HPOIT (minutes) - After Oven Aging	561										**561**	98
Note: No surface cracking was observed.												

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TRI ENVIRONMENTAL, INC.
9063 BEE CAVES RD. – AUSTIN, TX 78733 – USA | PH: 800.880.TEST OR 512.263.2101

APPROVED - 03/01/2022

February 20, 2014

Mail To:

Grant Palmer
Agru
500 Garrison Road
Georgetown, SC 29440

email: gp@agruamerica.com

Bill To:

<= Same (P O# : 6381-14)

Dear Mr. Palmer:

Thank you for consulting TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs.
TRI is pleased to submit this final report of the laboratory testing for the sample(s) listed below.

TRI Job Reference Number:	E2386-67-07
Material(s) Tested:	One Agru 60 mil. Microspike LLDPE Geomembrane
Test(s) Requested:	2% Secant (ASTM D5323 via ASTM D638, GM17) Multi-axial Tensile (ASTM D 5617)

If you have any questions or require any additional information, please call us at 1-800-880-8378

Sincerely,

Mansukh Patel
Laboratory Manager
Geosynthetic Services Division
www.GeosyntheticTesting.com

The testing herein is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

TRI ENVIRONMENTAL, INC.
9063 BEE CAVES RD. – AUSTIN, TX 78733 – USA | PH: 800.880.TEST OR 512.263.2101

APPROVED - 03/01/2022

February 20, 2014

Mail To:

Grant Palmer
Agru
500 Garrison Road
Georgetown, SC 29440

email: gp@agruamerica.com

Bill To:

<= Same (P O# : 6381-14)

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If you have any questions or require any additional information, please call us at 1-800-880-8378

Sincerely,

Mansukh Patel
Laboratory Manager
Geosynthetic Services Division
www.GeosyntheticTesting.com

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TRI ENVIRONMENTAL, INC.
9063 BEE CAVES RD. – AUSTIN, TX 78733 – USA | PH: 800.880.TEST OR 512.263.2101

APPROVED - 03/01/2022

GEOMEMBRANE TEST RESULTS
TRI Client: Agru

Material: Agru 60 mil Microspike LLDPE Geomembrane
Sample Identification: G14D054022 **Chevron 7104 LLDPE Resin** **Resin Lot# CDH811240**
TRI Log #: E2386-67-07

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
2% Secant Modulus (ASTM D5323 via ASTM D638, GM17)												
MD 2% Secant Modulus (psi)	31940	30117	31015	29143	31454						**30734**	1114
MD 2% Secant Modulus (ppi)	1968	1831	2143	1778	1944						**1933**	141
TD 2% Secant Modulus (psi)	34320	37694	38180	38083	40058						**37667**	2083
TD 2% Secant Modulus (ppi)	2155	2322	2394	2628	2415						**2383**	171
Multi-axial Tensile (ASTM D 5617)												
Test Method A: Centerpoint Deflection Versus Pressure												
Thickness (mils)	62	64	62								**63**	1
Maximum Stress (psi)	1644	1750	1662								**1685**	57
% Elongation @ Rupture (%)	90	81	40								**70**	27
Failure Description	MDT N-EF	MDT N-EF	H-CAT N-EF									

MDT A tear in the machine direction.
H Circular or elliptical hole in the specimen.
H-CAT Circular or elliptical hole in an area where the material has significantly necked down or thinned. The large thinned area resembles a pupil of a cat eye.
N-EF No edge failure

MD Machine Direction TD Transverse Direction

The testing herein is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

TRI ENVIRONMENTAL, INC.
9063 BEE CAVES RD. – AUSTIN, TX 78733 – USA | PH: 800.880.TEST OR 512.263.2101

APPROVED - 03/01/2022

GEOMEMBRANE TEST RESULTS
TRI Client: Agru

Material: Agru 60 mil Microspike LLDPE Geomembrane
Sample Identification: G14D054022 **Chevron 7104 LLDPE Resin** **Resin Lot# CDH811240**
TRI Log #: E2386-67-07

PARAMETER	TEST REPLICATE NUMBER 1	2	3	4	5	6	7	8	9	10	MEAN	STD. DEV.
2% Secant Modulus (ASTM D5323 via ASTM D638, GM17)												
MD 2% Secant Modulus (psi)	31940	30117	31015	29143	31454						**30734**	1114
MD 2% Secant Modulus (ppi)	1968	1831	2143	1778	1944						**1933**	141
TD 2% Secant Modulus (psi)	34320	37694	38180	38083	40058						**37667**	2083
TD 2% Secant Modulus (ppi)	2155	2322	2394	2628	2415						**2383**	171
Multi-axial Tensile (ASTM D 5617)												
Test Method A: Centerpoint Deflection Versus Pressure												
Thickness (mils)	62	64	62								**63**	1
Maximum Stress (psi)	1644	1750	1662								**1685**	57
% Elongation @ Rupture (%)	90	81	40								**70**	27
Failure Description	MDT N-EF	MDT N-EF	H-CAT N-EF									

MDT A tear in the machine direction.
H Circular or elliptical hole in the specimen.
H-CAT Circular or elliptical hole in an area where the material has significantly necked down or thinned. The large thinned area resembles a pupil of a cat eye.
N-EF No edge failure

MD Machine Direction TD Transverse Direction

The testing herein is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

TRI ENVIRONMENTAL, INC.
9063 BEE CAVES RD. – AUSTIN, TX 78733 – USA | PH: 800.880.TEST OR 512.263.2101

APPROVED - 03/01/2022

Client:	New England Liner Systems		
Project:	Fields Point Sand Filter		
Project Location:	---		
GTX Project No.:	315142	Tested By:	dln
Test Date:	3/9/2022	Checked By:	bfs
Sample ID:	Roll #GTC007178003		
Description:	Black, 60 mil Agru microspike geomembrane		

Water Absorption of Plastics by ASTM D570

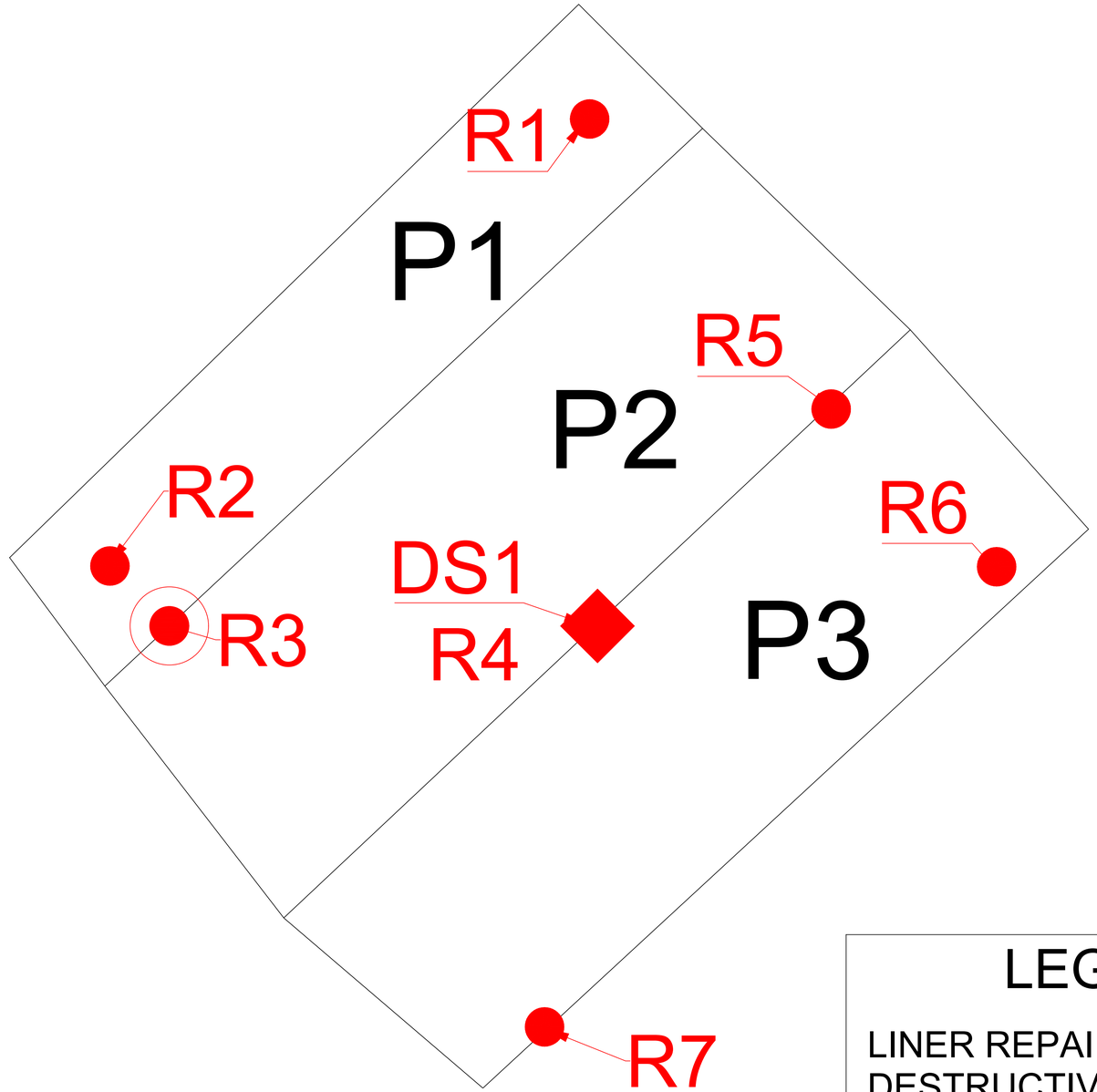
Conditioning Time:	24 hours	Immmersion Time:	24 hours
Conditioning Temperature:	50 ±3°C	Immersion Temperature:	23 ±1°C
Specimen Size:	1 inch x 3 inch	Immersion Fluid:	Distilled Water

Specimen Number	Dimensions			Weights, g		Increase in Weight, %	Soluble Matter Lost, %	Water Absorbed, %
	Length, in.	Width, in.	Thickness, mil	Pre-Immersion	Post-Immersion			
1	3.015	1.002	62.4	3.071	3.072	0.03	0	0.03
2	3.011	1.024	59.9	2.821	2.822	0.02	0	0.02
3	3.031	1.020	62.5	3.135	3.136	0.01	0	0.01
Average	3.019	1.015	61.6	3.009	3.010	0.02	0	0.02

Comments: - Specimens are condtitioned in an oven at 50 ±3°C for 24 hours prior to immersion.

- At the end of the 24 immersion, specimens are removed one at time, wiped with a dry cloth, and weighed immediately.

Notes: These results apply only to the sample tested for the specific test conditions. The test procedures employed follow accepted industry practice and the indicated test method. GeoTesting Express has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.



5' 0' 5' 10' 15'
1" = 5'

LEGEND

LINER REPAIR

DESTRUCTIVE SAMPLE

BOOT

General Notes

New England Liner Systems
GEOMEMBRANE AND GEOSYNTHETIC SYSTEMS

No.	Revision/Issue	Date

Firm Name and Address

New England Liner Systems
40 Westfield Drive
Plantsville, CT 06479

Project Name and Address

National Grid
Fields Point Liquefaction Project
Providence, RI

Project: Sediment Forebay Liner
Date: 4/4/2022
Scale: 1" = 5'
Sheet: 1 of 1

New England Liner Systems, Inc.

Repair Report

PRODUCT: *60 MIL LLDPE*

PROJECT: *National Grid*
Fields Point Liquefaction Project
Sediment Forebay Liner
Providence, RI

Repair Date	Repair Number	Seam Number	Panel Numbers	Repair Crew	Machine Number	V-Box Test Pass/Fail	Location Comments
3/17/2022	R1		P1	MO	617	PASS	PATCH 0'-5', 5' FROM P1/P2
3/17/2022	R2		P1	MO	617	PASS	PATCH 0'-55', 5' FROM P1/P2
3/17/2022	R3	P1/P2		MO	617	PASS	BOOT 0'-55'
3/17/2022	R4	P2/P3		MO	617	PASS	DS1, 0'-33'
3/17/2022	R5	P2/P3		MO	617	PASS	PATCH 0'-8'
3/17/2022	R6		P3	MO	617	PASS	PATCH 0'-7', 18' FROM P2/P3
3/17/2022	R7		P3	MO	617	PASS	PATCH 0'-56', 21' FROM P2/P3

New England Liner Systems, Inc.

Trial Weld

PROJECT: *National Grid*
Fields Point Liquefaction Project
Sediment Forebay Liner
Providence, RI

PRODUCT: *60 MIL LLDPE*

		EXTRUSION WELDER			FUSION WELDER		TEST						
DATE	MACH. NUMBER	SEAMER INITIALS	BARREL TEMP	PREHEAT SETTING	WEDGE TEMP	SPEED FT/MIN	MODE	SAMPLE NUMBER 1	2	3	4	5	PASS FAIL
							PEEL	111/129	114/115	137/112	137/116	113/124	
3/17/2022	4848	CM			850	4	SHEAR	144	167	165	163	168	PASS
							PEEL	116	123	140	129		
3/17/2022	617	MO	585	350			SHEAR	149	114	144	151	128	PASS
							PEEL						
							SHEAR						
							PEEL						
							SHEAR						
							PEEL						
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							PEEL						
							SHEAR						

New England Liner Systems, Inc. — *Panel Placement Form*

Project: *National Grid*
Fields Point Liquefaction Project
Sediment Forebay Liner
Providence, RI

Product: *60 MIL LLDPE*

Date	*Panel Number*	*Roll Number*	*Panel Length*	*Panel Width*	*sq. ft.*	*Comments*
3/17/2022	*P1*	*GTC0071780003*	*62'*	*13'*		
3/17/2022	*P2*	*GTC0071780003*	*65'*	*22'*		
3/17/2022	*P3*	*GTC0071780003*	*65'*	*22'*		

New England Liner Systems, Inc. *Panel Seaming Form*

PRODUCT: *60 MIL LLDPE*

PROJECT: *National Grid*
Fields Point Liquefaction Project
Sediment Forebay Liner
Providence, RI

DATE	*SEAM NUMBER*	*SEAMER INITIALS*	*MACHINE #*	*SEAM LENGTH*	*COMMENTS*
3/17/22	*P1/P2*	*CM*	*4848*	*62'*	
3/17/22	*P2/P3*	*CM*	*4848*	*65'*	

New England Liner Systems, Inc. — *Non Destructive Test Data*

PROJECT: *National Grid*
Fields Point Liquefaction Project
Sediment Forebay Liner
Providence, RI

PRODUCT: *60 MIL LLDPE*

DATE	SEAM SEGMENT	TESTER INITIALS	PRESSURE PSI START	PRESSURE PSI END	TEST TIME START	TEST TIME END	PASS FAIL	V-BOX PASS	COMMENTS
3/17/2022	P1/P2					0:05			
3/17/2022	P2/P3								
3/17/2022	P2/P3								

New England Liner Systems, Inc. *Destructive Test Log*

PROJECT: *National Grid*
Fields Point Liquefaction Project
Sediment Forebay Liner
Providence, RI

PRODUCT: *60 MIL LLDPE*

DATE	SAMPLE ID #	SEAM NUMBER	MACHINE NUMBER	SEAMER INITIALS	TEST MODE	TEST RESULTS IN LBS / IN SAMPLE NUMBER 1	2	3	4	5	PASS FAIL
					PEEL	114/114	127/122	112/126	100/122	98/92	
3/17/22	DS1	P2/P3	4848	CM	SHEAR	159	136	141	151	131	PASS
					PEEL						
					SHEAR						
					PEEL						
					SHEAR						
					PEEL						
					SHEAR						
					PEEL						
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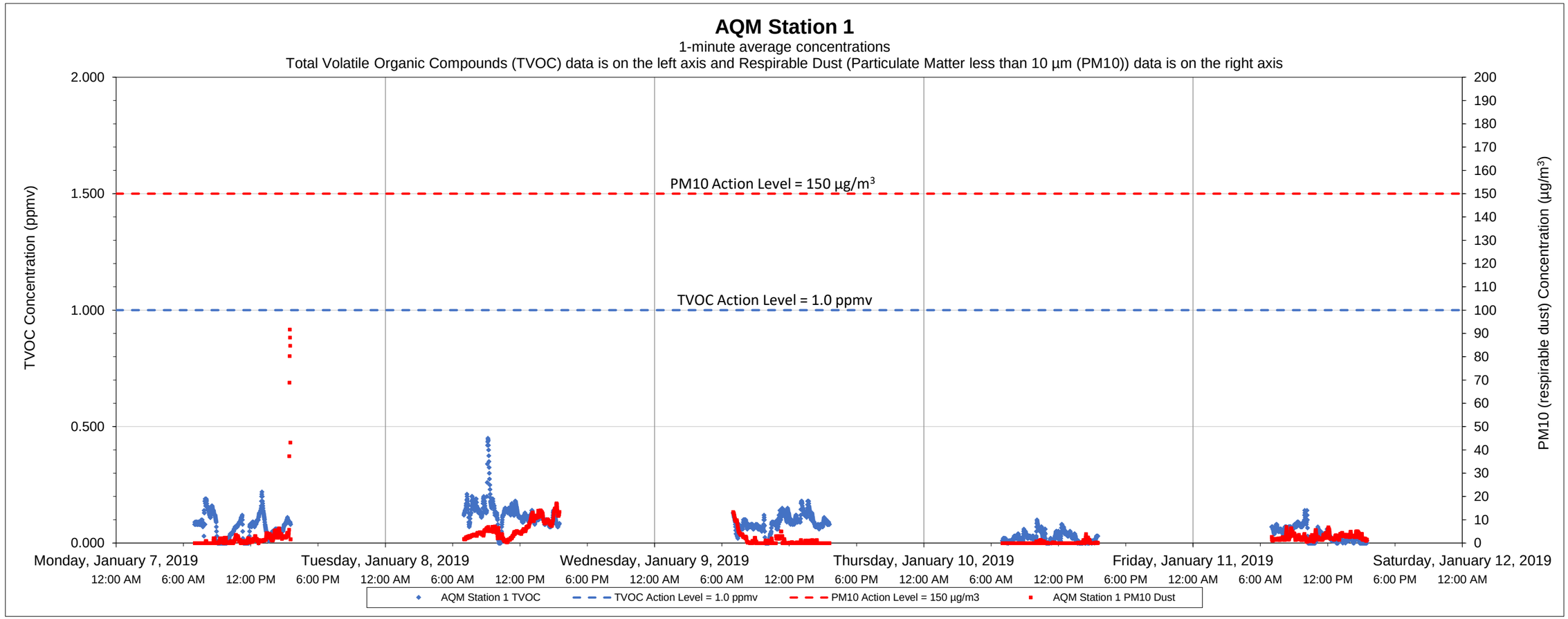
					PEEL						
					SHEAR						
					PEEL						
					SHEAR						

APPENDIX J

PERIMETER AIR MONITORING

Prepared by National Grid LNG LLC
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
1/14/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

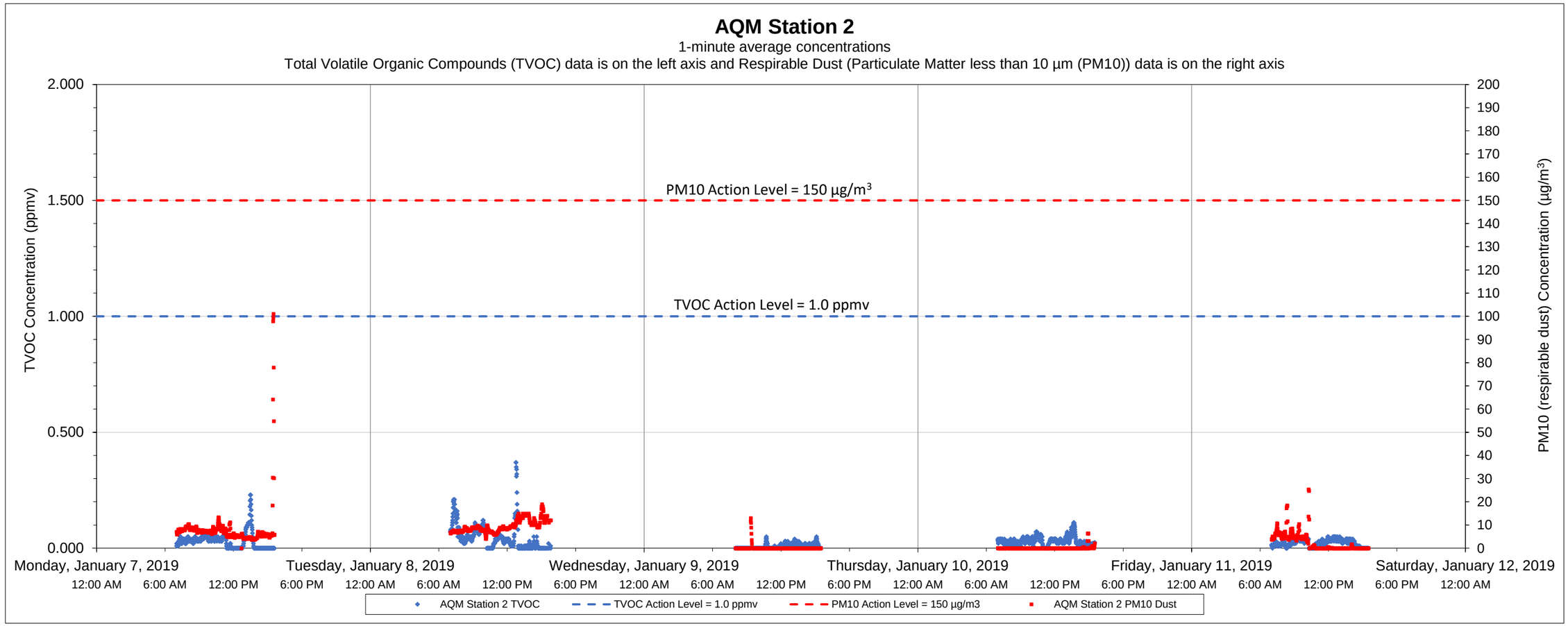
Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.45	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.53	µg/m^3
PM10 maximum concentration	91.71	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by National Grid LNG LLC
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
1/14/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.37	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.07	µg/m^3
PM10 maximum concentration	101.08	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
1/9/2019 - Power outage noted at 7:00AM. Power restored at 8:09AM. No soil disturbance work of any kind was occurring during this time frame.

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

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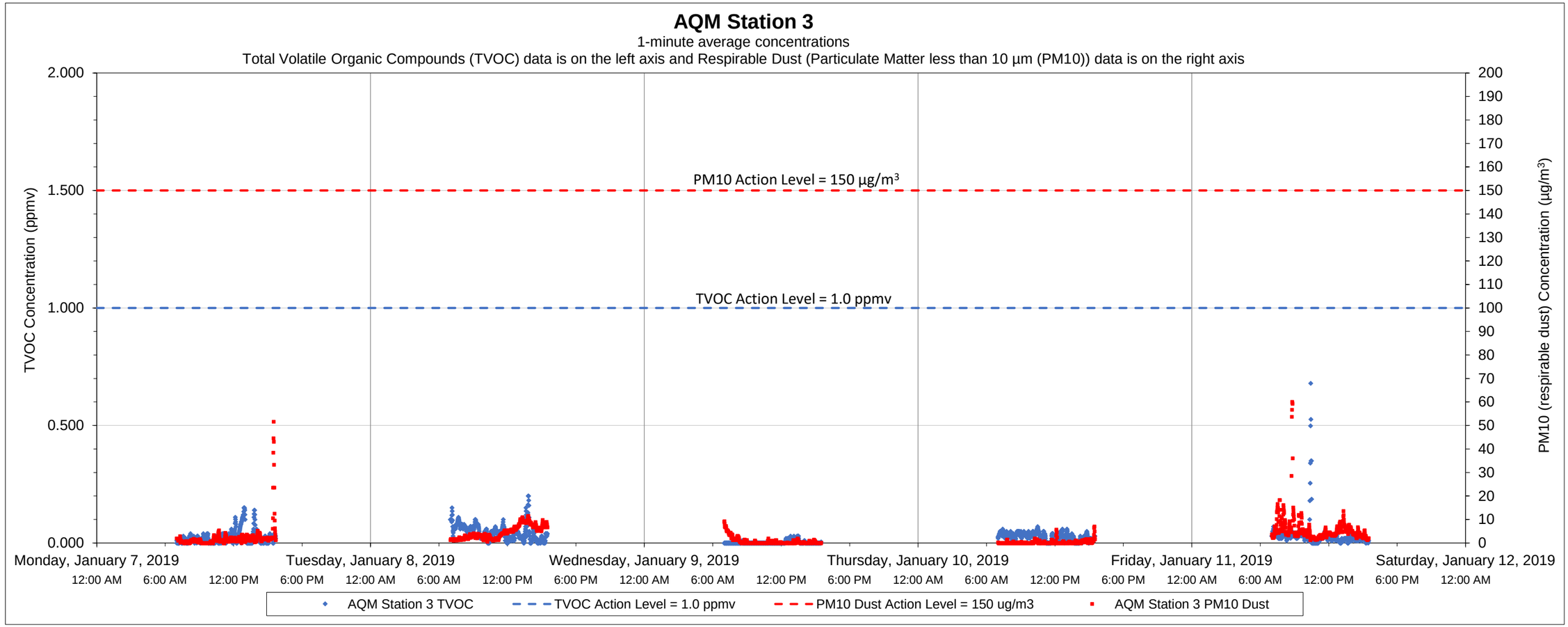

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.68	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.65	µg/m^3
PM10 maximum concentration	60.12	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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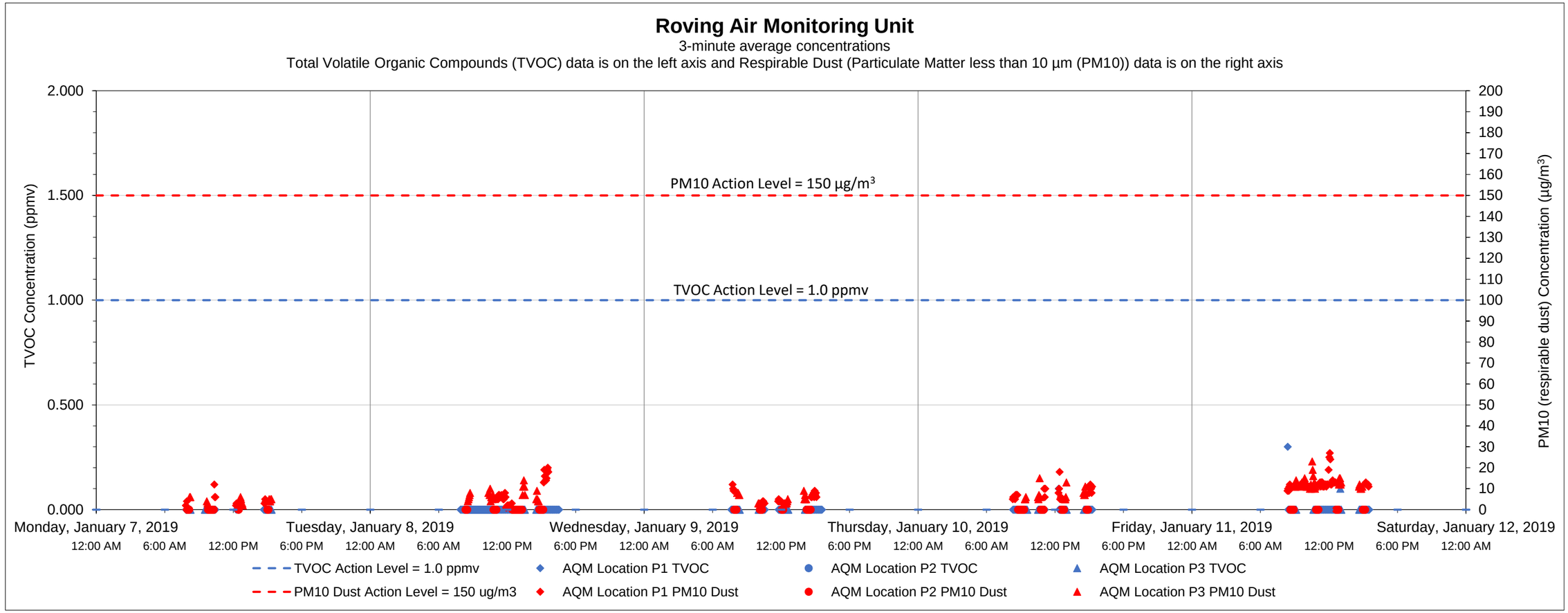

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.90	µg/m^3
PM10 maximum concentration	27.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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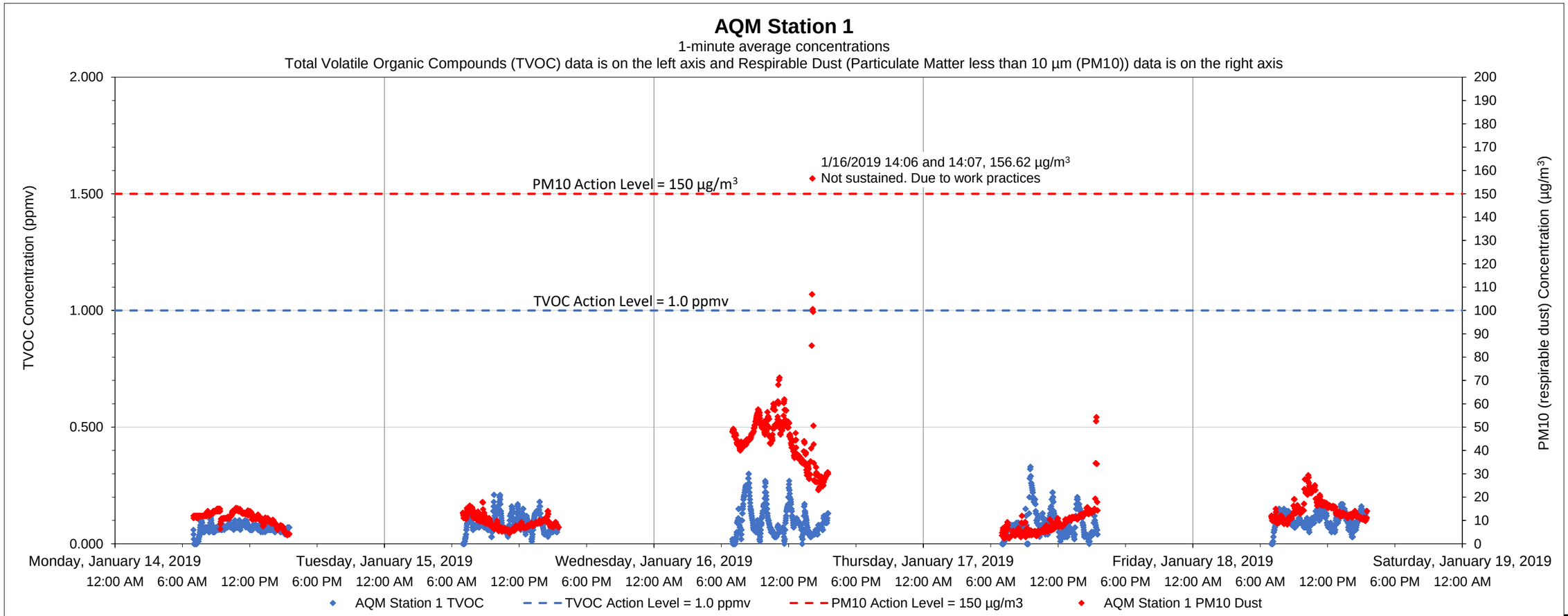
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
1/18/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	0.33	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.54	µg/m^3
PM10 maximum concentration	156.62	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

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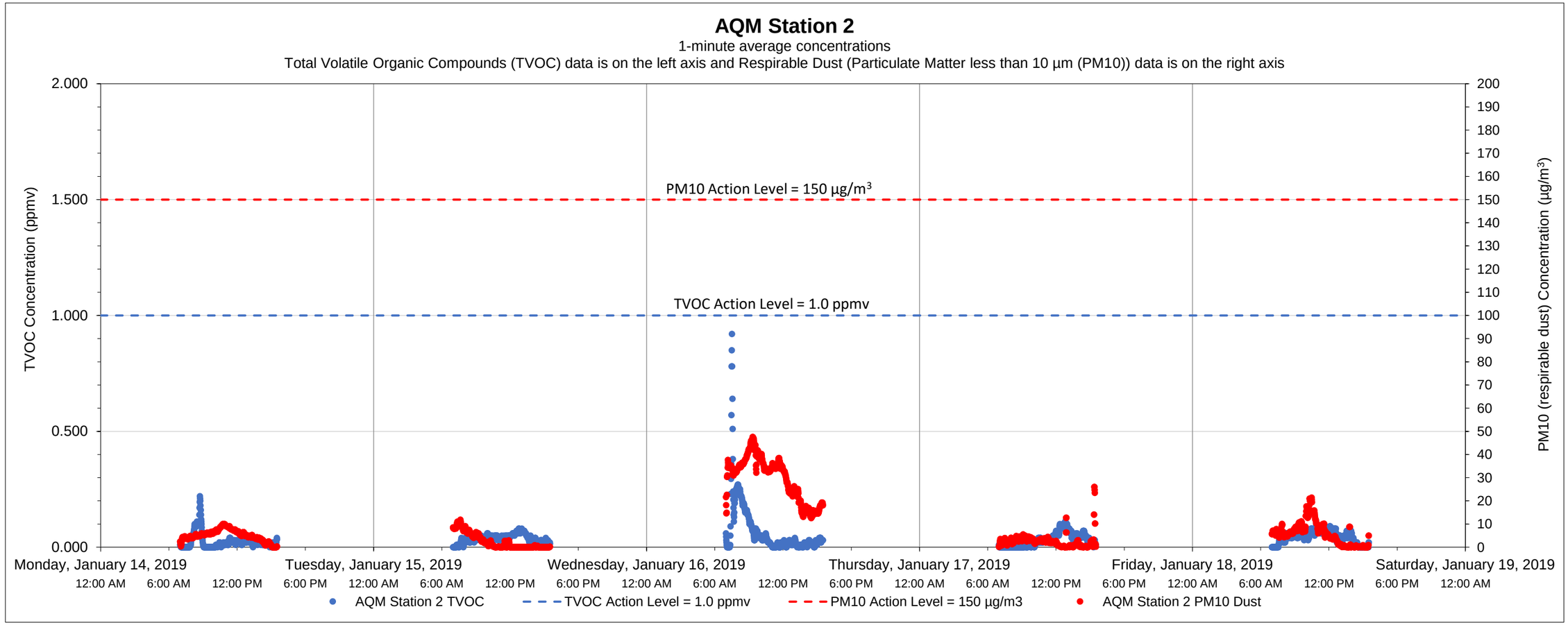

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.92	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.94	µg/m^3
PM10 maximum concentration	47.52	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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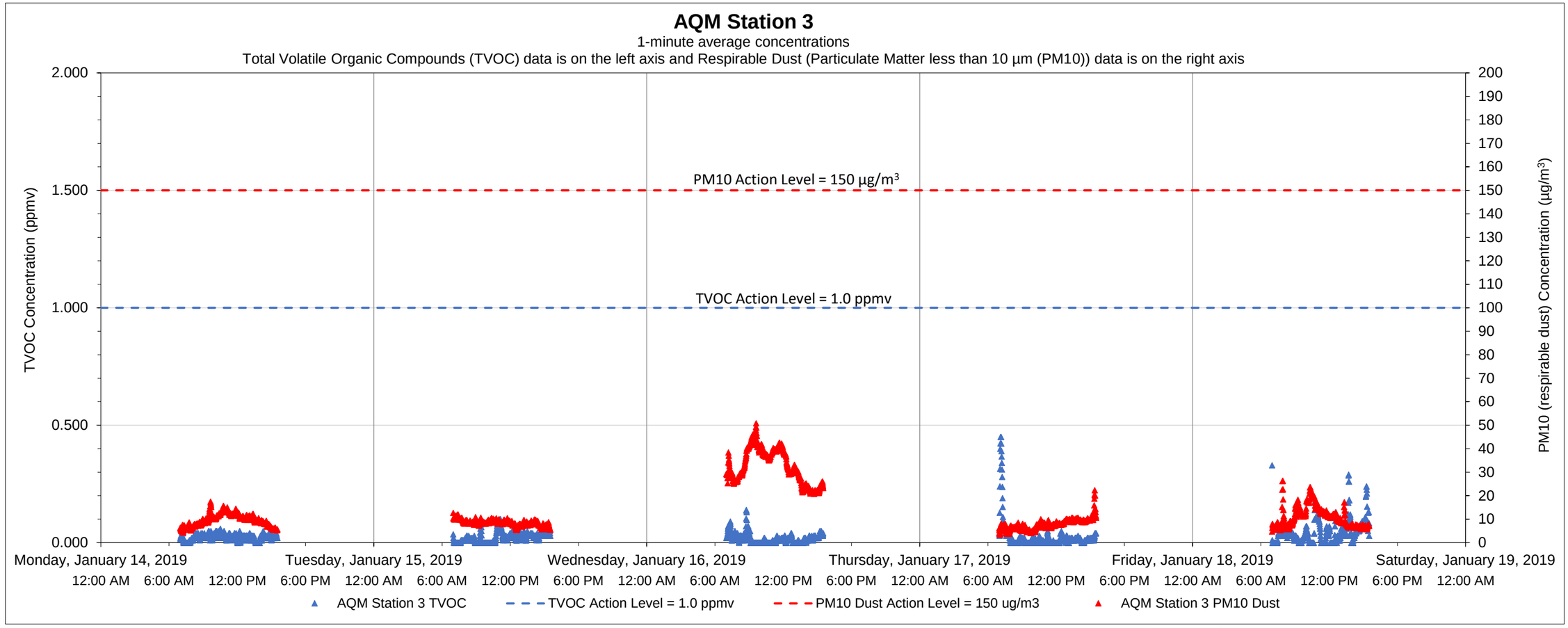
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
1/18/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.45	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.88	µg/m^3
PM10 maximum concentration	50.87	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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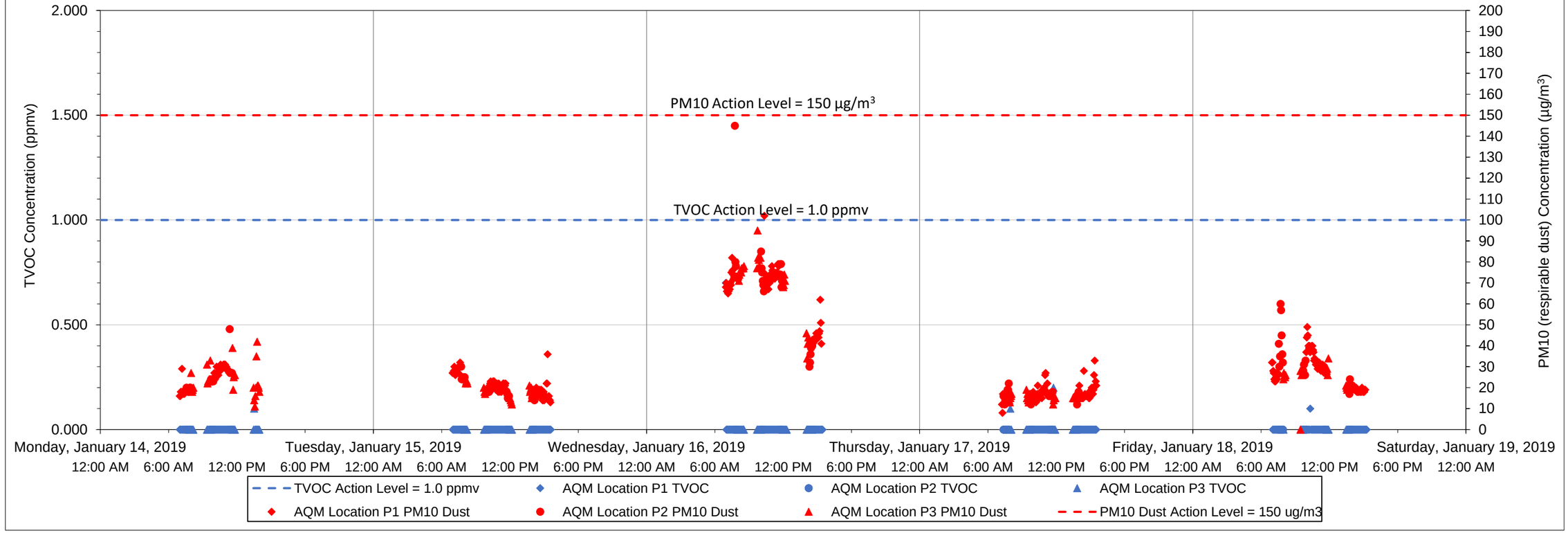
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
1/18/2019

Roving Air Monitoring Unit

3-minute average concentrations
Total Volatile Organic Compounds (TVOC) data is on the left axis and Respirable Dust (Particulate Matter less than 10 µm (PM10)) data is on the right axis



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	32.33	µg/m^3
PM10 maximum concentration	145.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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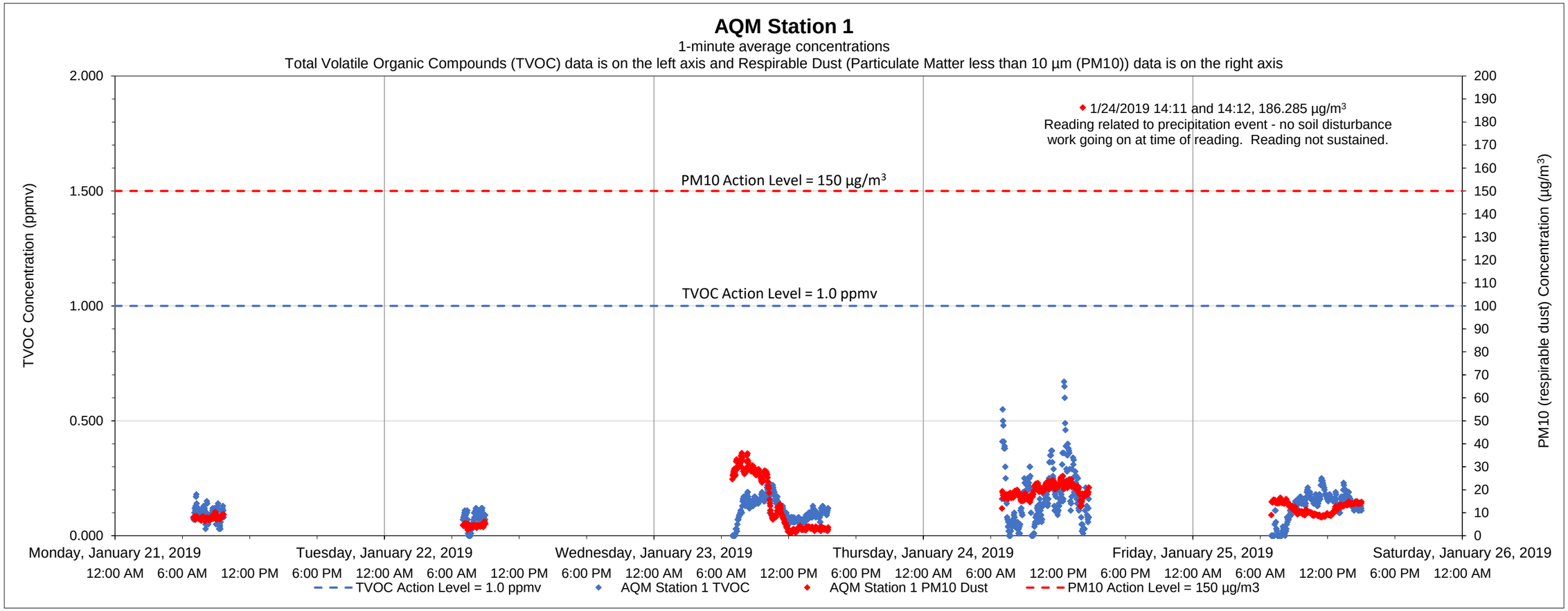
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
1/28/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.13	ppm
TVOCs maximum concentration	0.67	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.89	µg/m^3
PM10 maximum concentration	186.29	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
1/24/2019 - Precipitation events caused transient action level exceedance at 14:11. Equipment temporarily removed from service and calibrated. No soil disturbance work of any kind was occurring during this time frame.

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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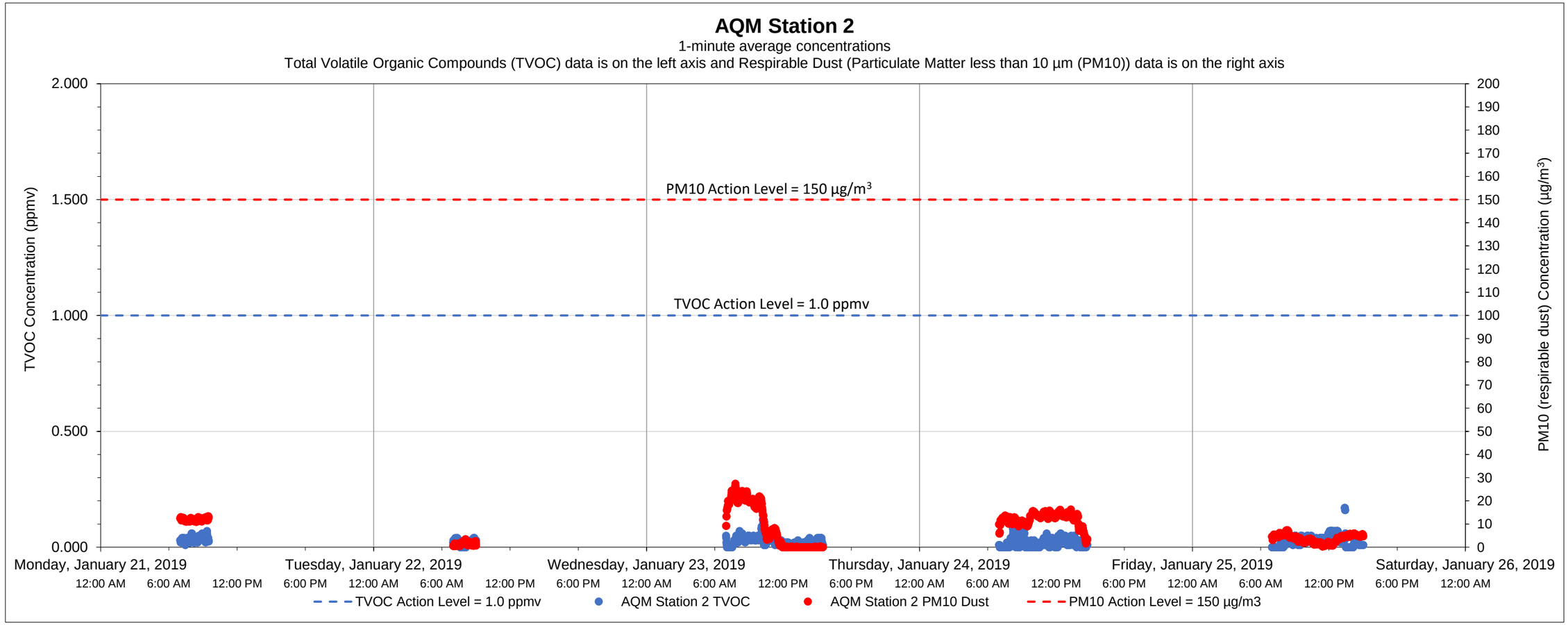
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
1/28/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.17	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.05	µg/m^3
PM10 maximum concentration	27.41	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

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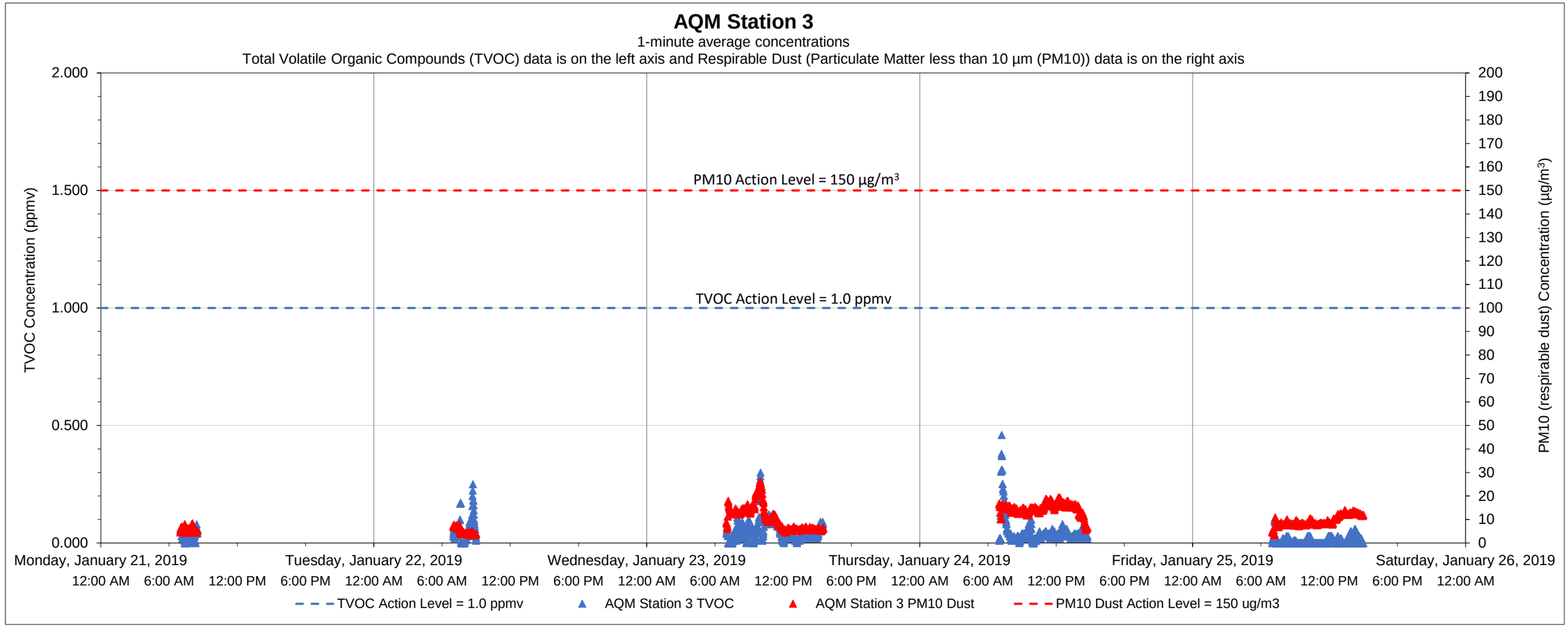
1/28/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

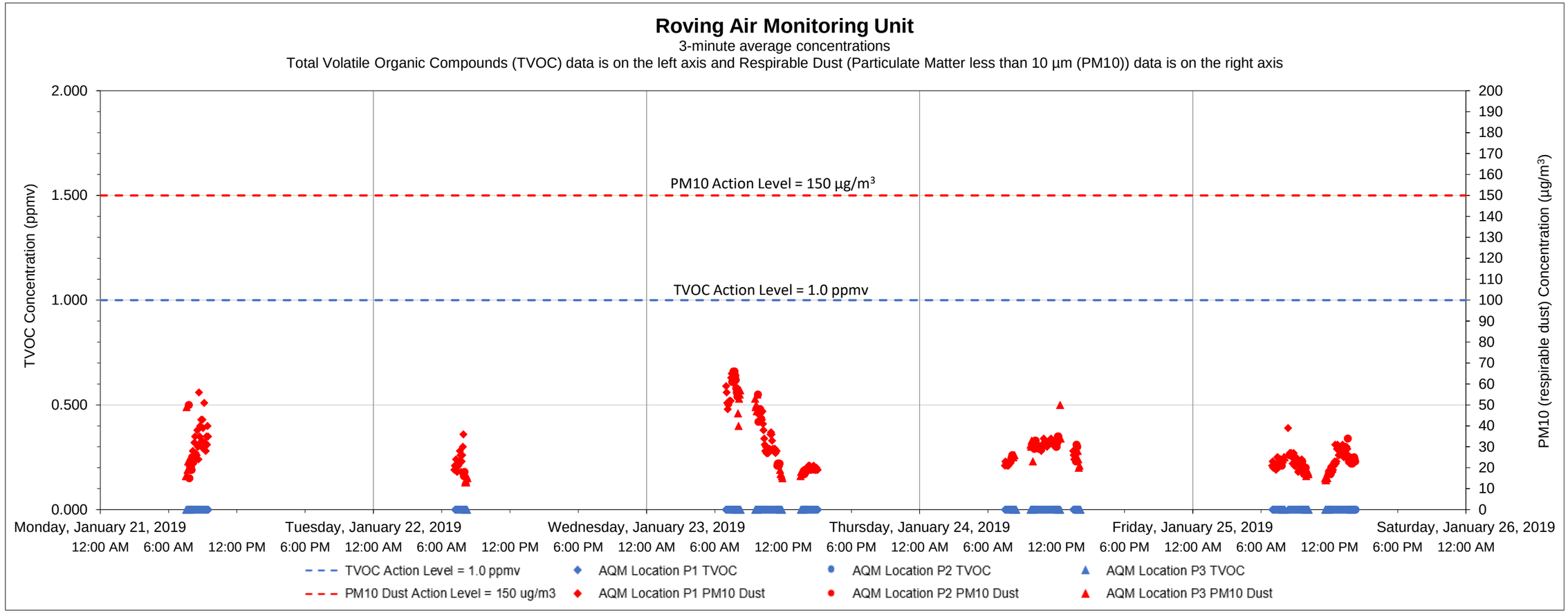
Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.72	µg/m³
PM10 maximum concentration	26.22	µg/m³
PM10 action level	150	µg/m³

Equipment Notes
None

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
1/28/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.00	ppm
TVOCs action level	1	ppm
PM10 average concentration	28.78	µg/m^3
PM10 maximum concentration	66.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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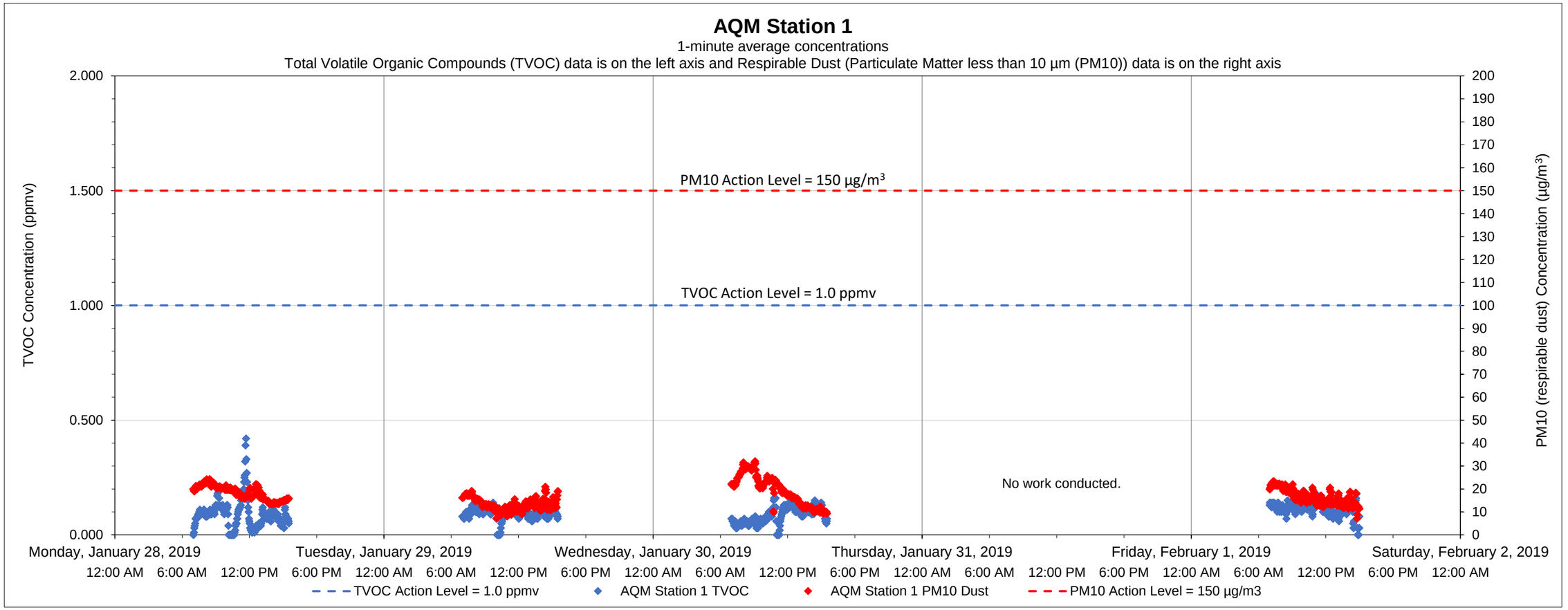
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
2/3/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	0.42	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.81	µg/m^3
PM10 maximum concentration	32.11	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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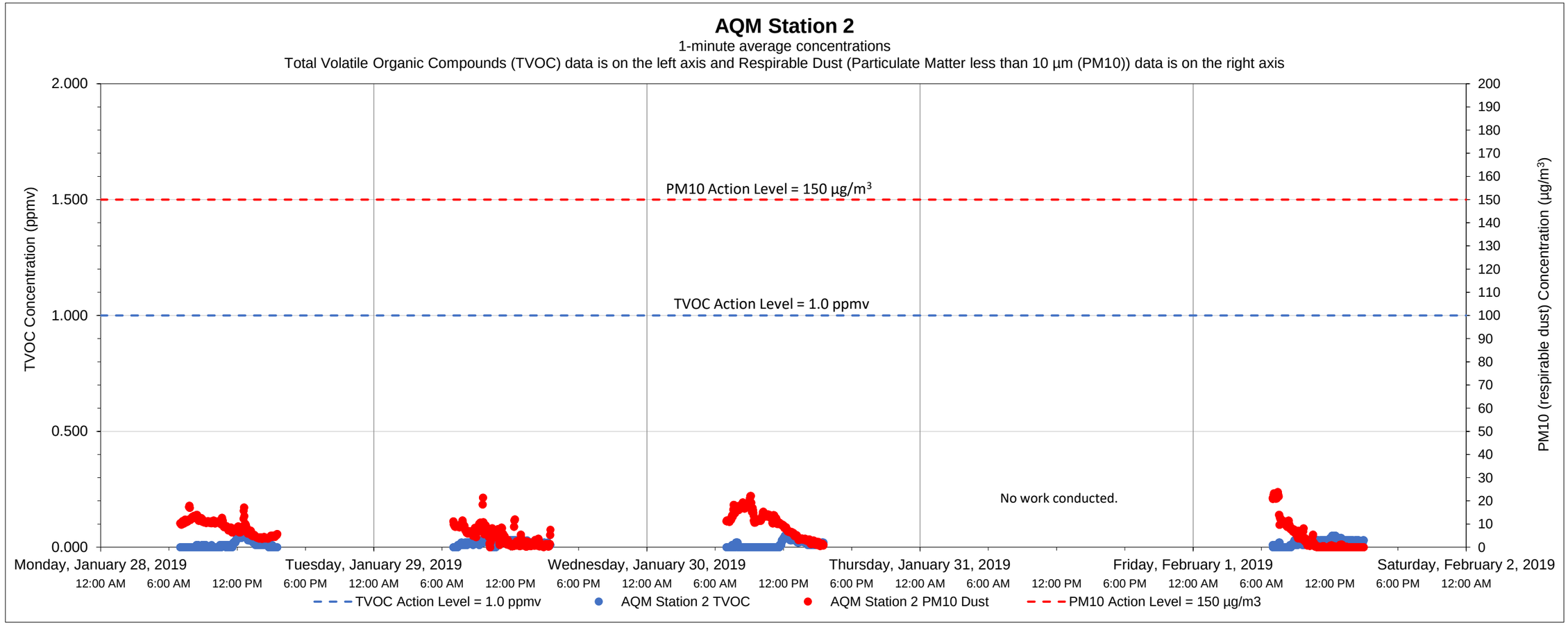
GZA Job No. 03.0033554.04
2/3/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.06	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.83	µg/m^3
PM10 maximum concentration	23.80	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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GZA Job No. 03.0033554.04
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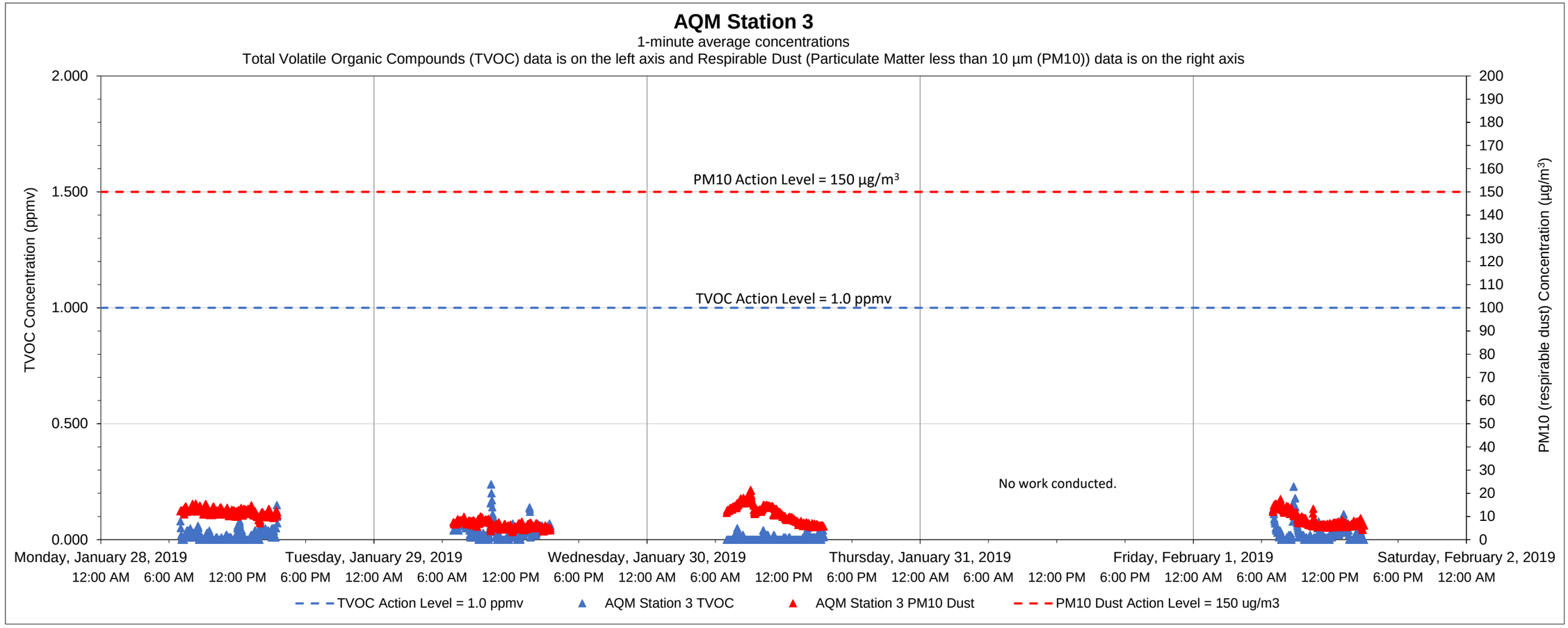

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.62	µg/m^3
PM10 maximum concentration	21.52	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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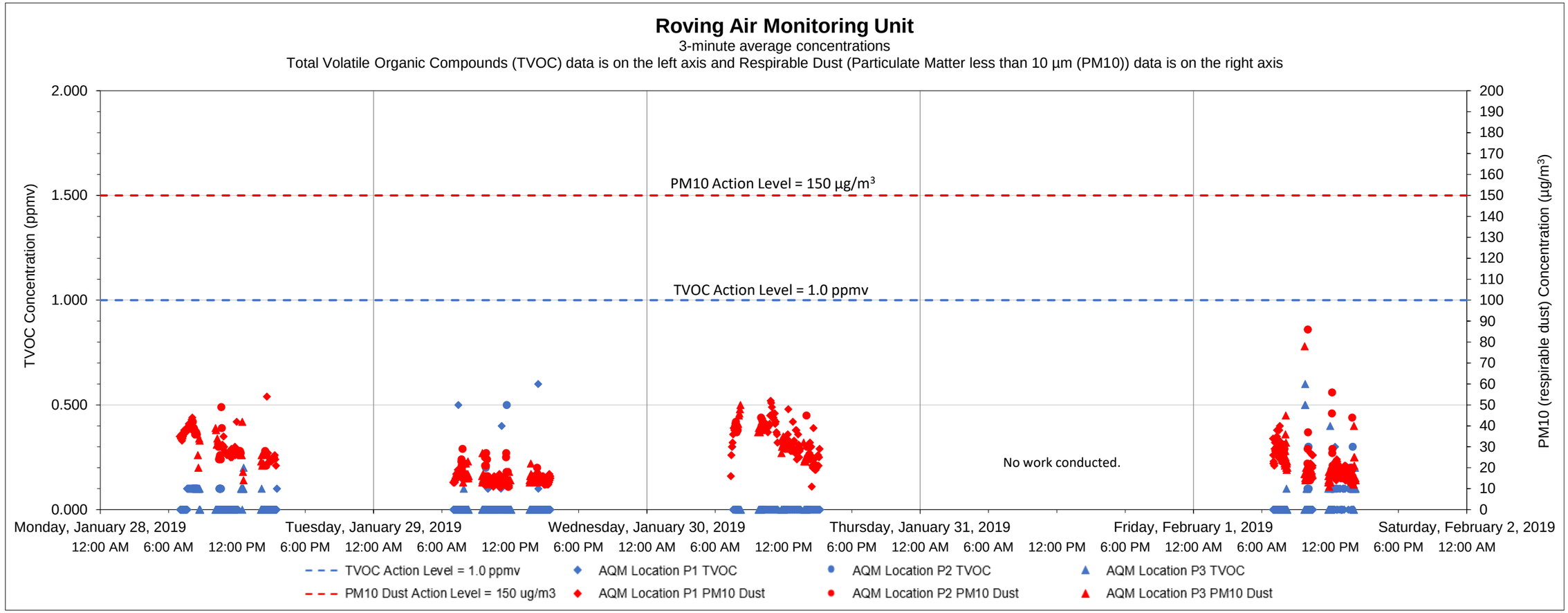
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
2/3/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.60	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.73	µg/m³
PM10 maximum concentration	54.00	µg/m³
PM10 action level	150	µg/m³

Notes:

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2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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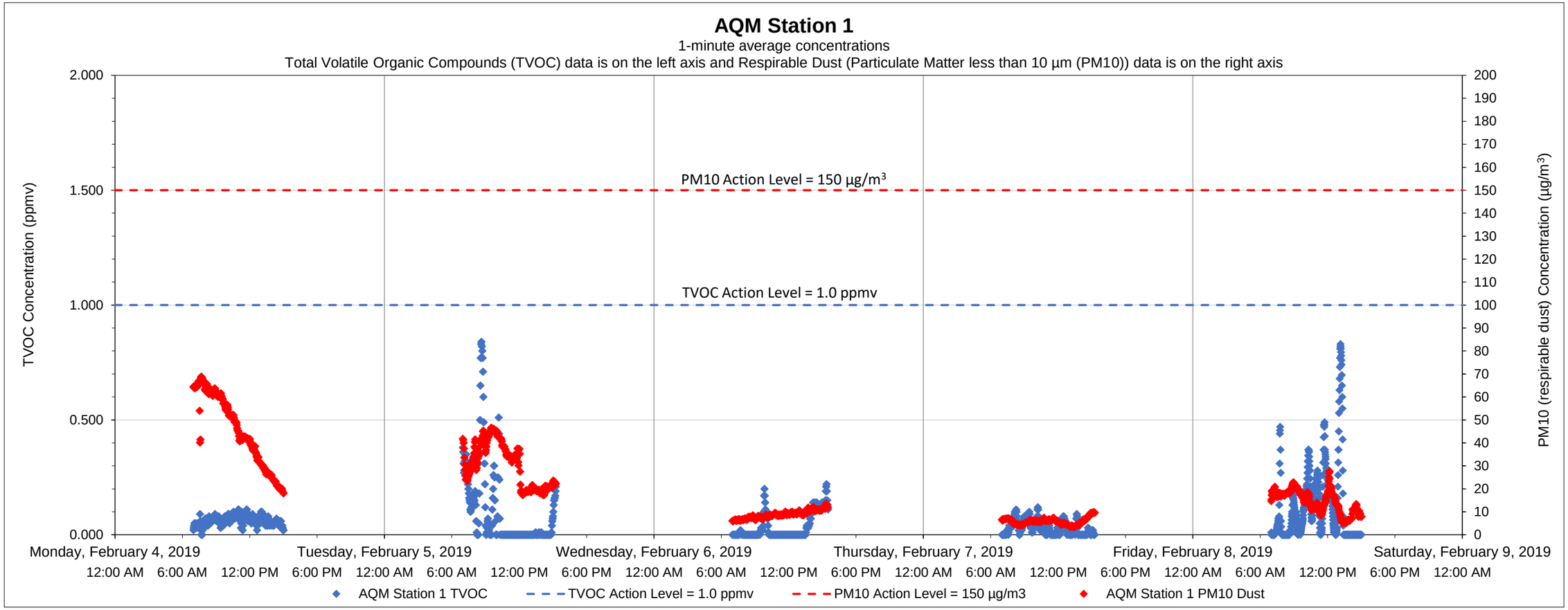
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
2/8/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.84	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.74	µg/m^3
PM10 maximum concentration	68.82	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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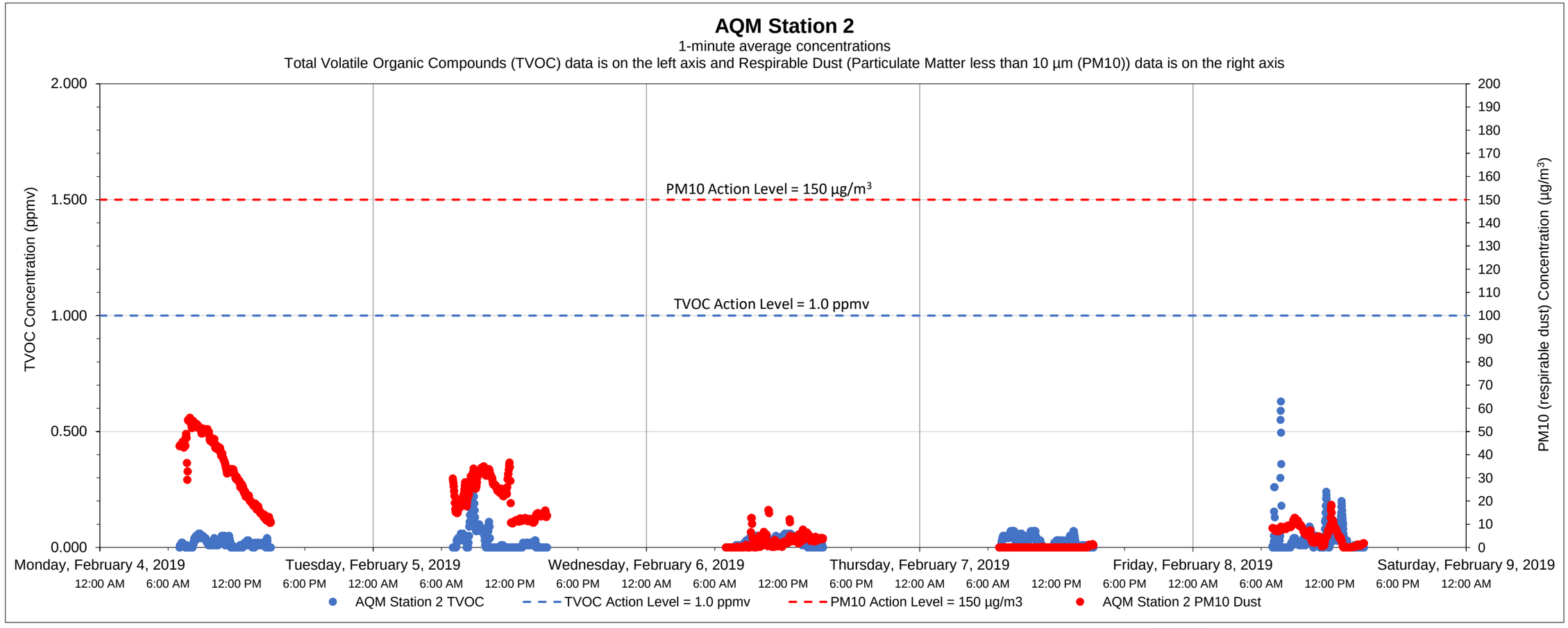
GZA Job No. 03.0033554.04
2/8/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.63	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.63	µg/m^3
PM10 maximum concentration	55.97	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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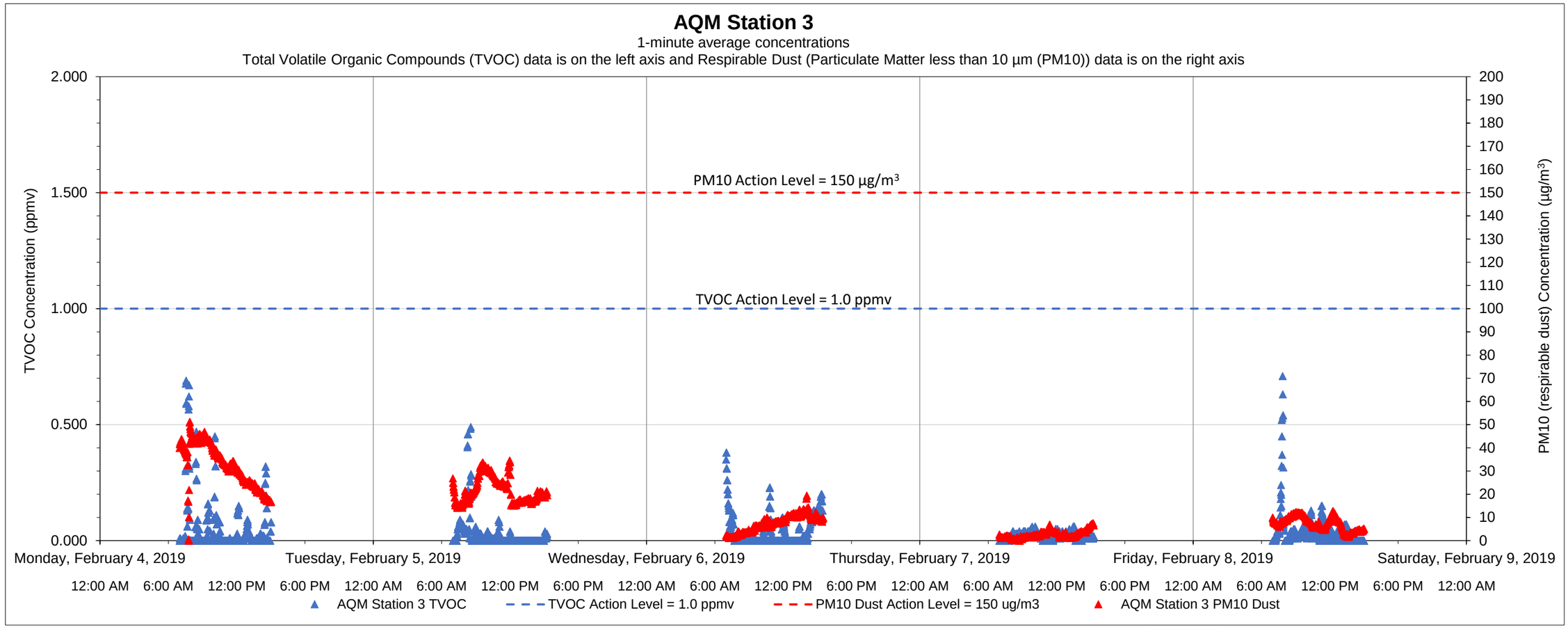

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.71	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.27	µg/m^3
PM10 maximum concentration	51.27	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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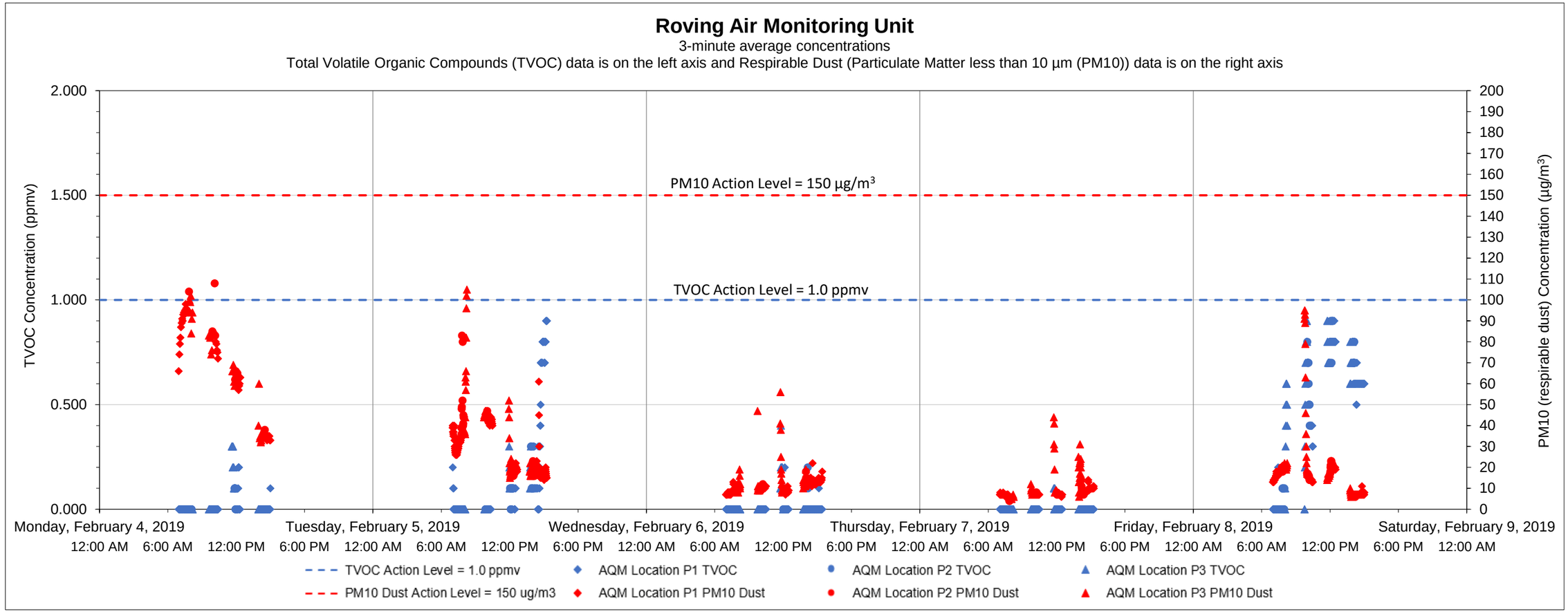

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	0.90	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.48	µg/m^3
PM10 maximum concentration	98.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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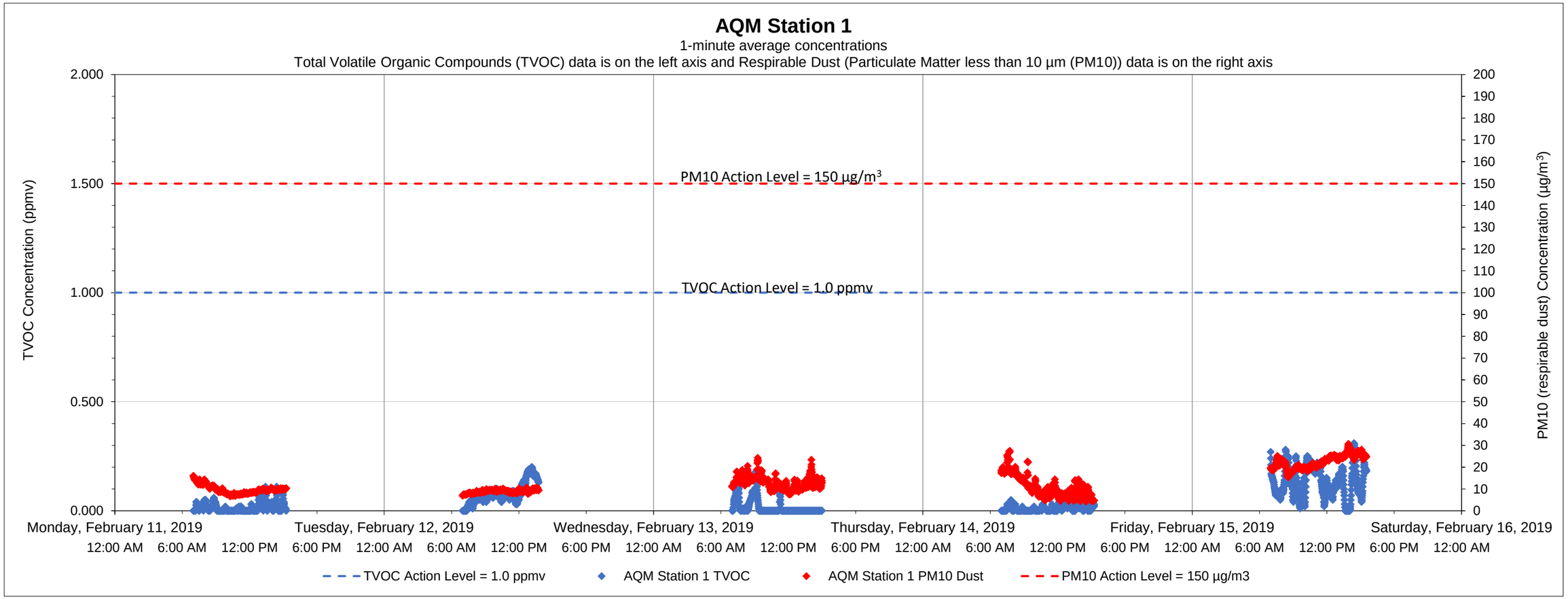
2/15/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.07	µg/m^3
PM10 maximum concentration	30.58	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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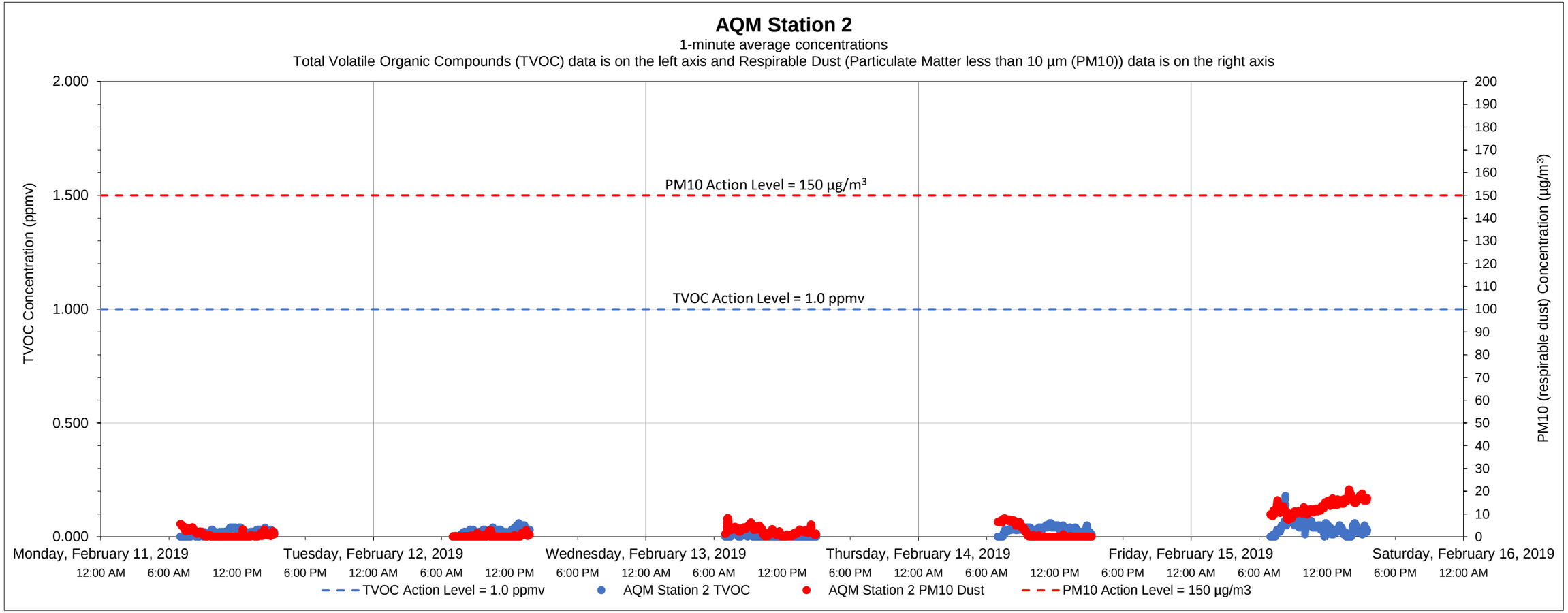

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.01	µg/m^3
PM10 maximum concentration	20.78	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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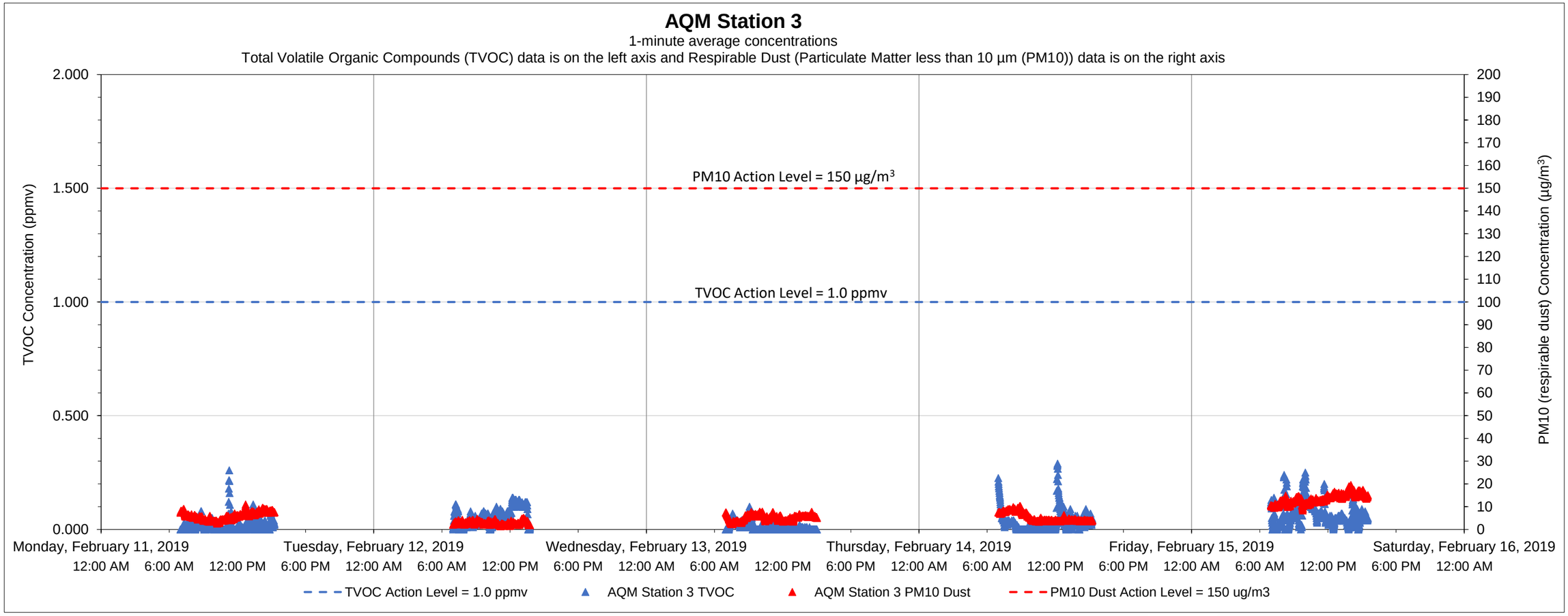

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.29	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.84	µg/m^3
PM10 maximum concentration	19.56	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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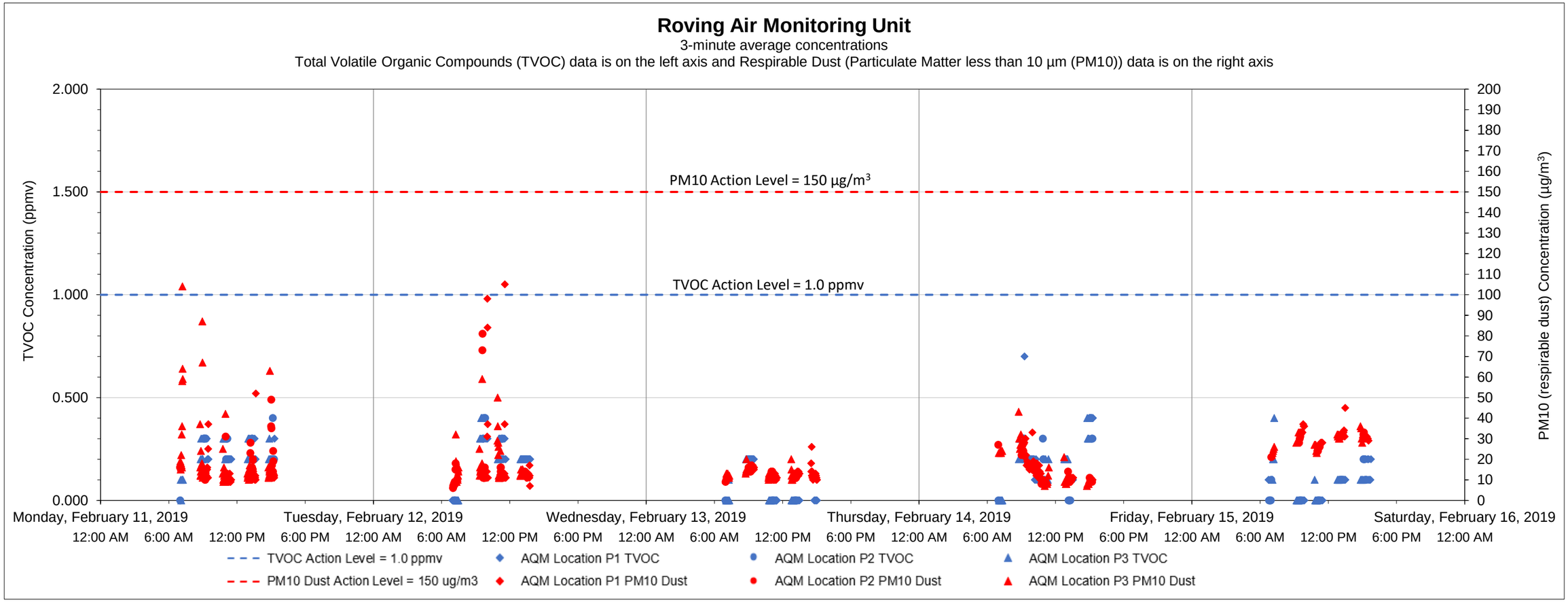

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.14	ppm
TVOCs maximum concentration	0.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.50	µg/m^3
PM10 maximum concentration	105	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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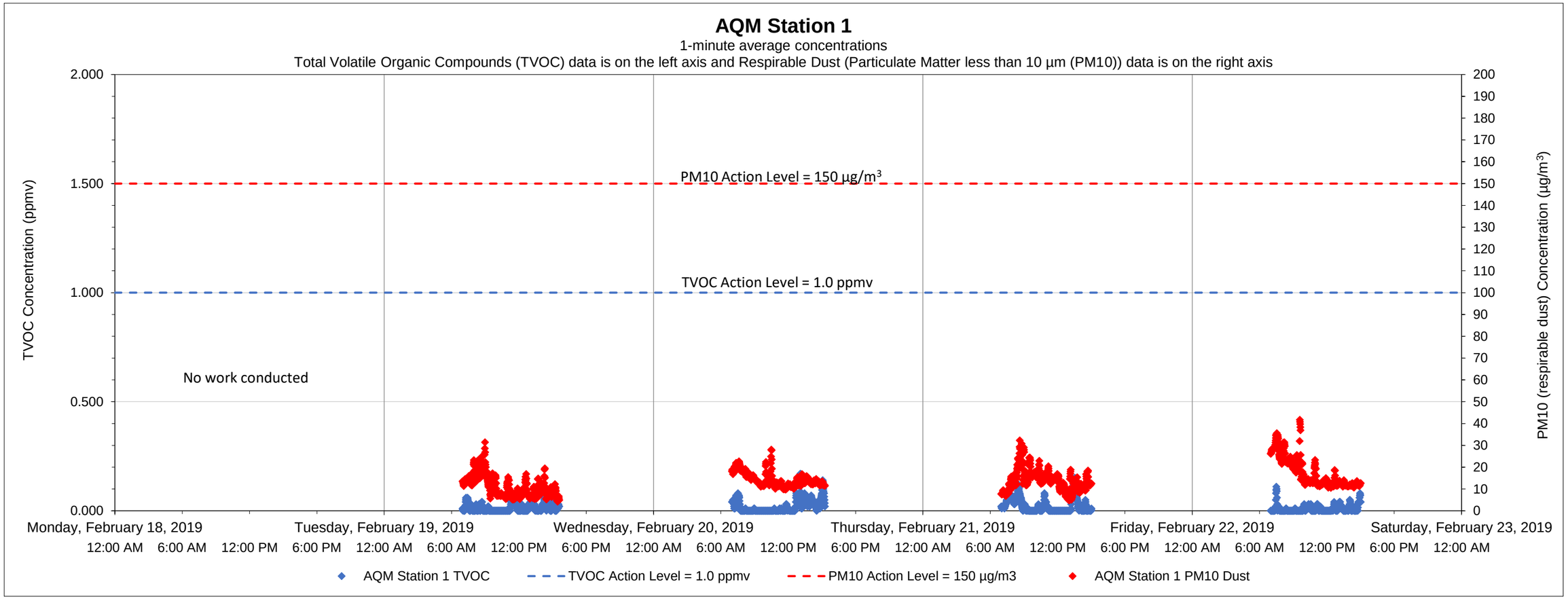

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.17	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.88	µg/m^3
PM10 maximum concentration	41.72	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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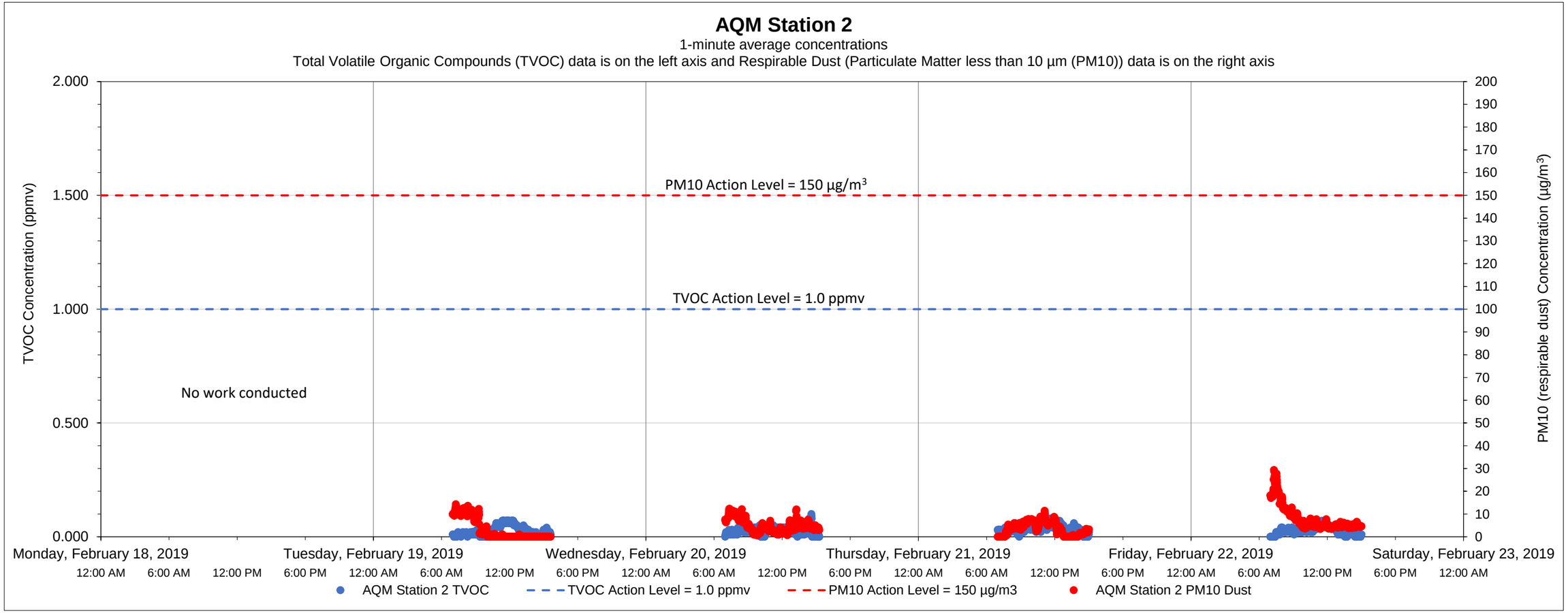

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.85	µg/m^3
PM10 maximum concentration	29.33	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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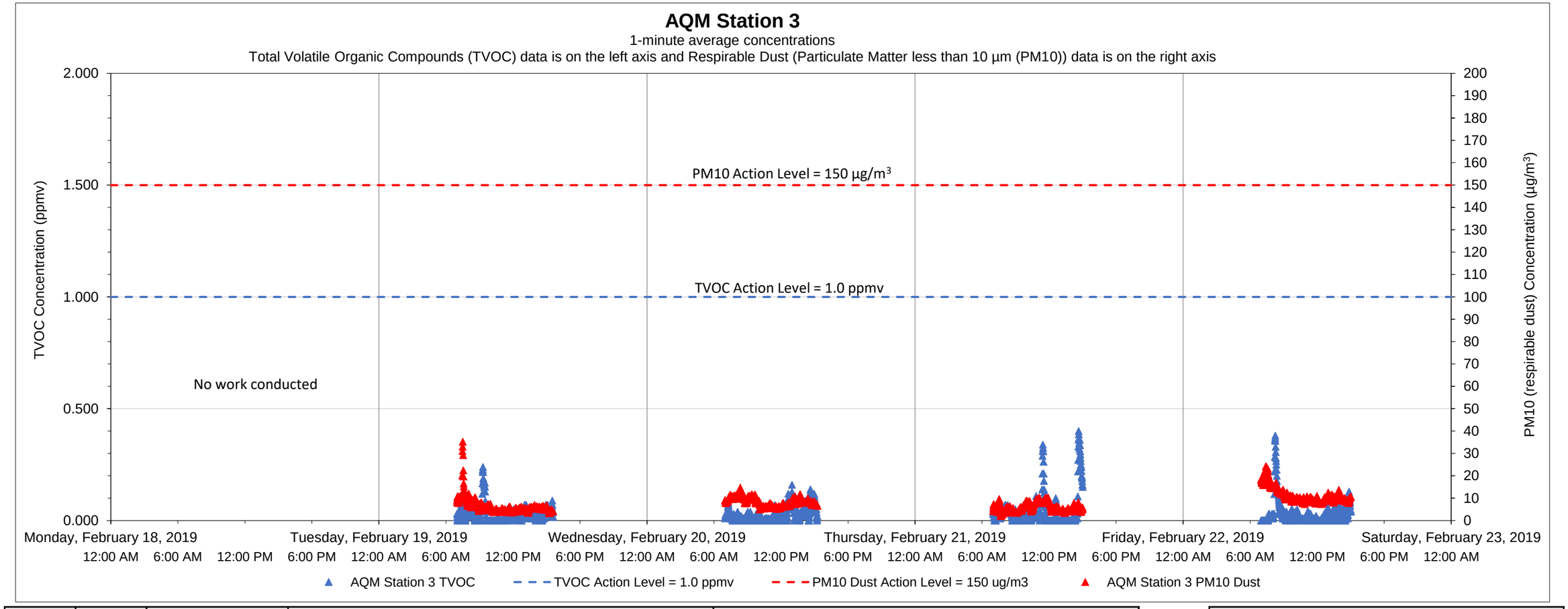

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.97	µg/m³
PM10 maximum concentration	35.28	µg/m³
PM10 action level	150	µg/m³

Equipment Notes
None

Notes:

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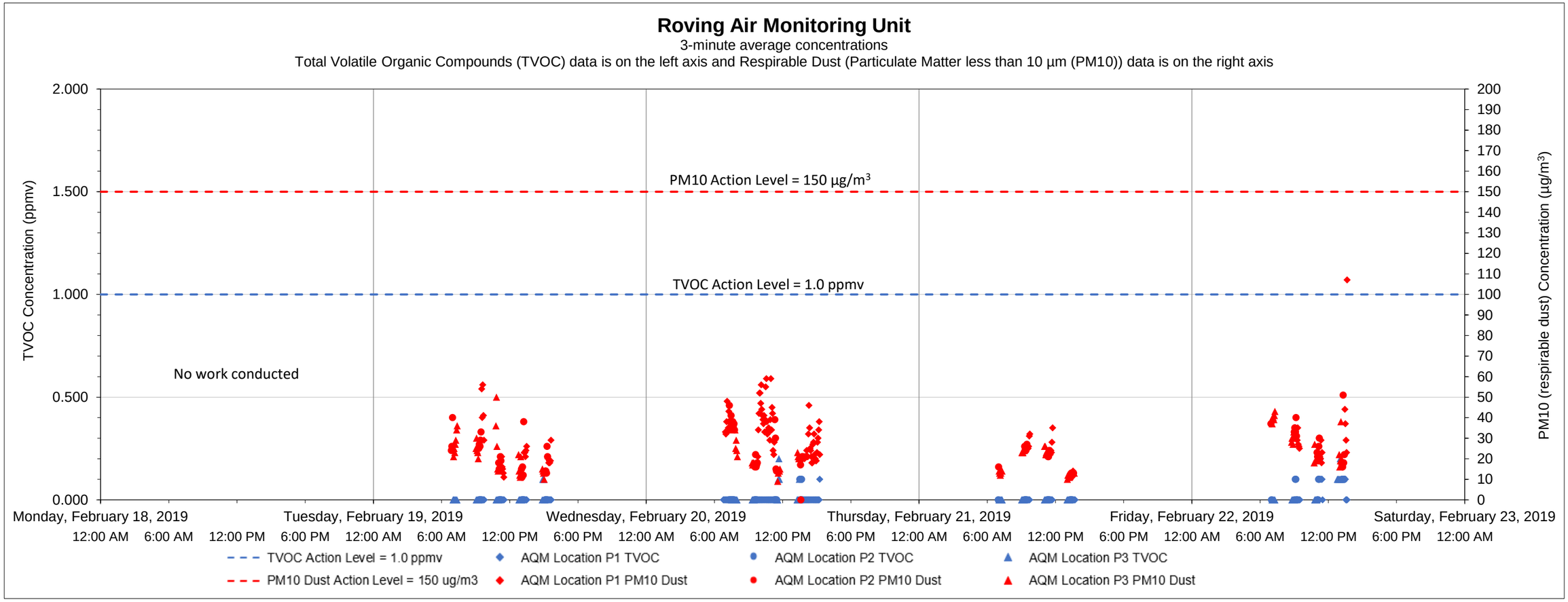
GZA Job No. 03.0033554.04
2/22/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	26.11	µg/m^3
PM10 maximum concentration	107	µg/m^3
PM10 action level	150	µg/m^3

Notes:

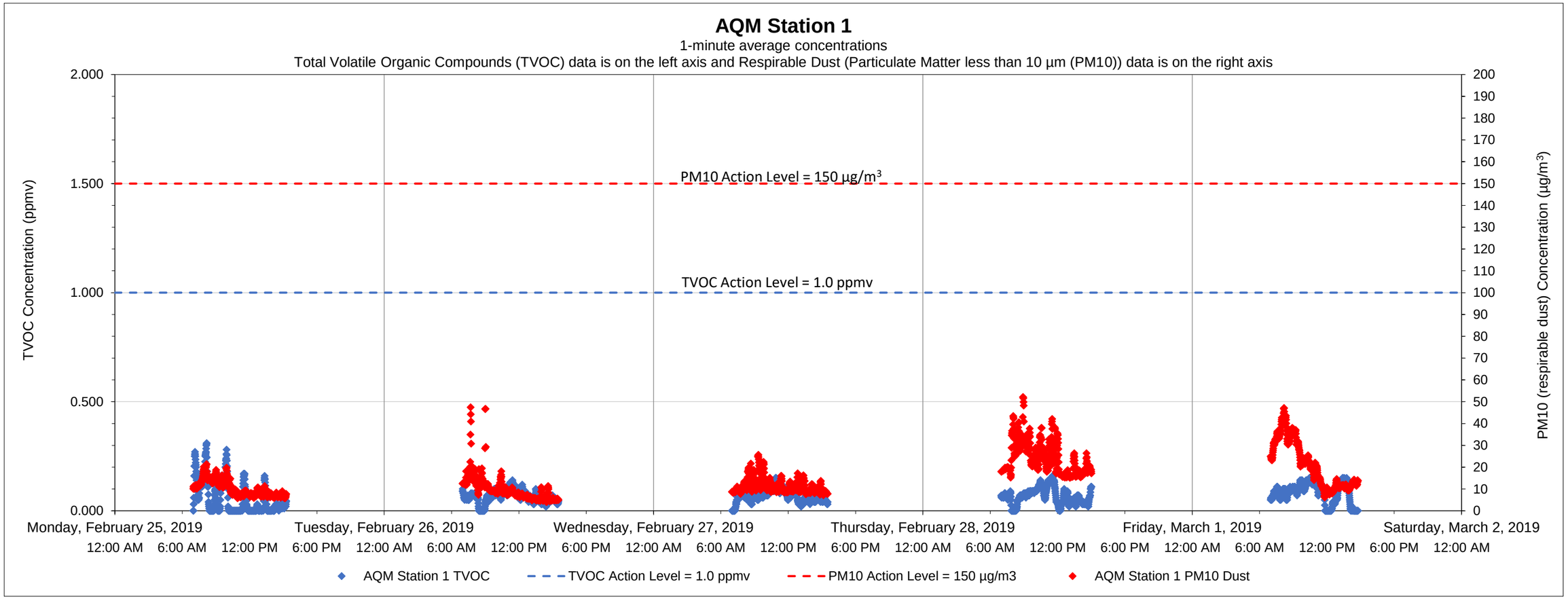
1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
3/1/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.83	µg/m^3
PM10 maximum concentration	52.19	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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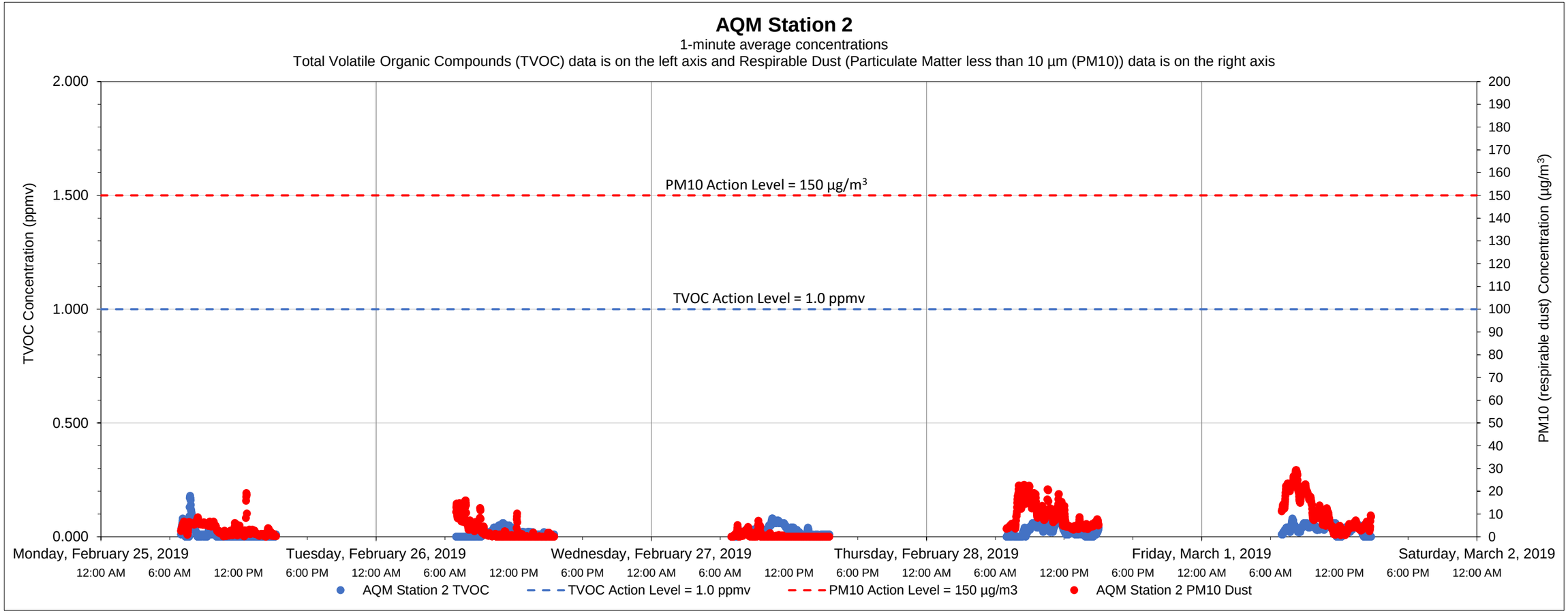
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
3/1/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.93	µg/m^3
PM10 maximum concentration	29.27	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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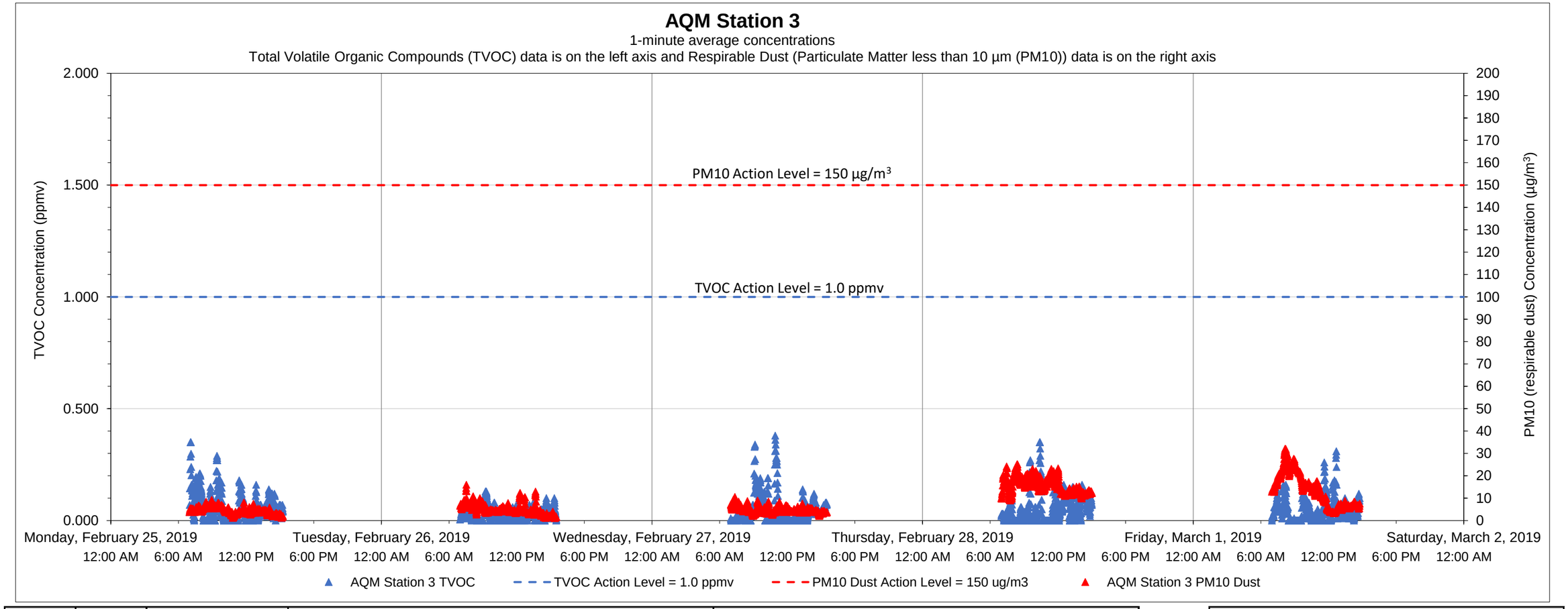
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
3/1/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.38	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.60	µg/m³
PM10 maximum concentration	32.14	µg/m³
PM10 action level	150	µg/m³

Equipment Notes
None

Notes:

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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Liquefaction Facility Project -
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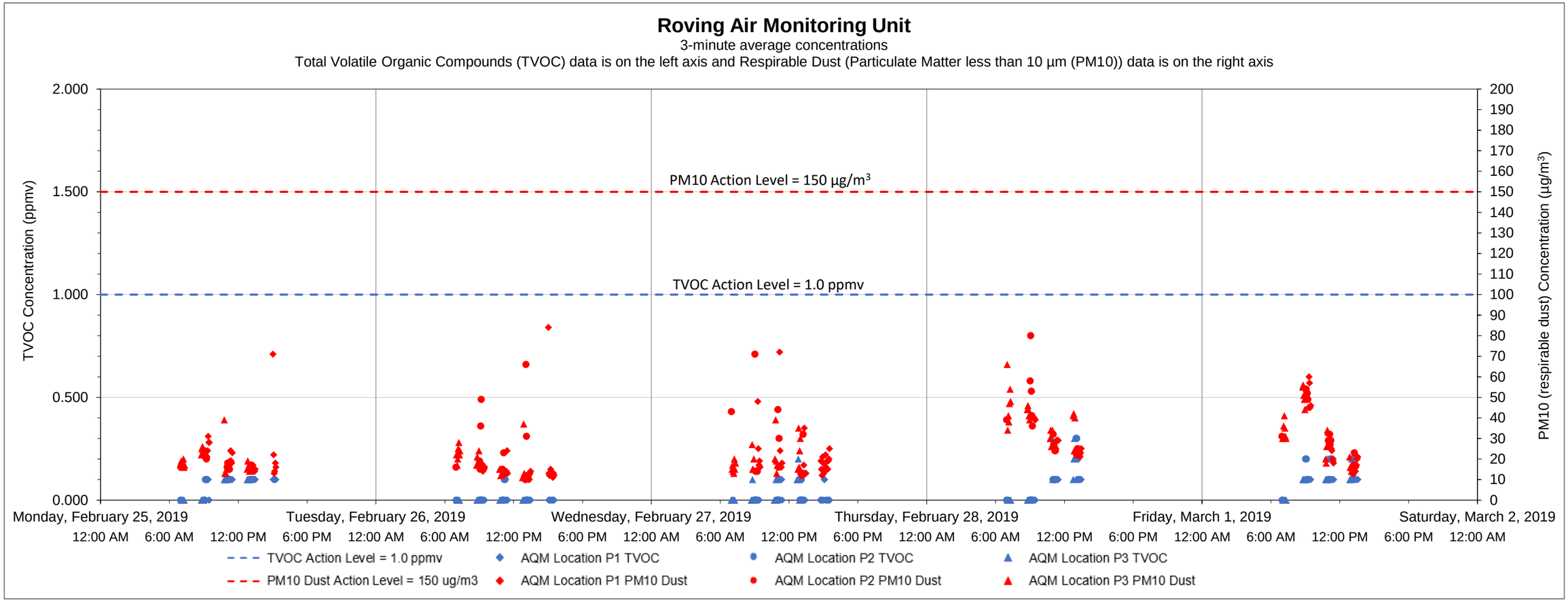
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
3/1/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	24.81	µg/m³
PM10 maximum concentration	84	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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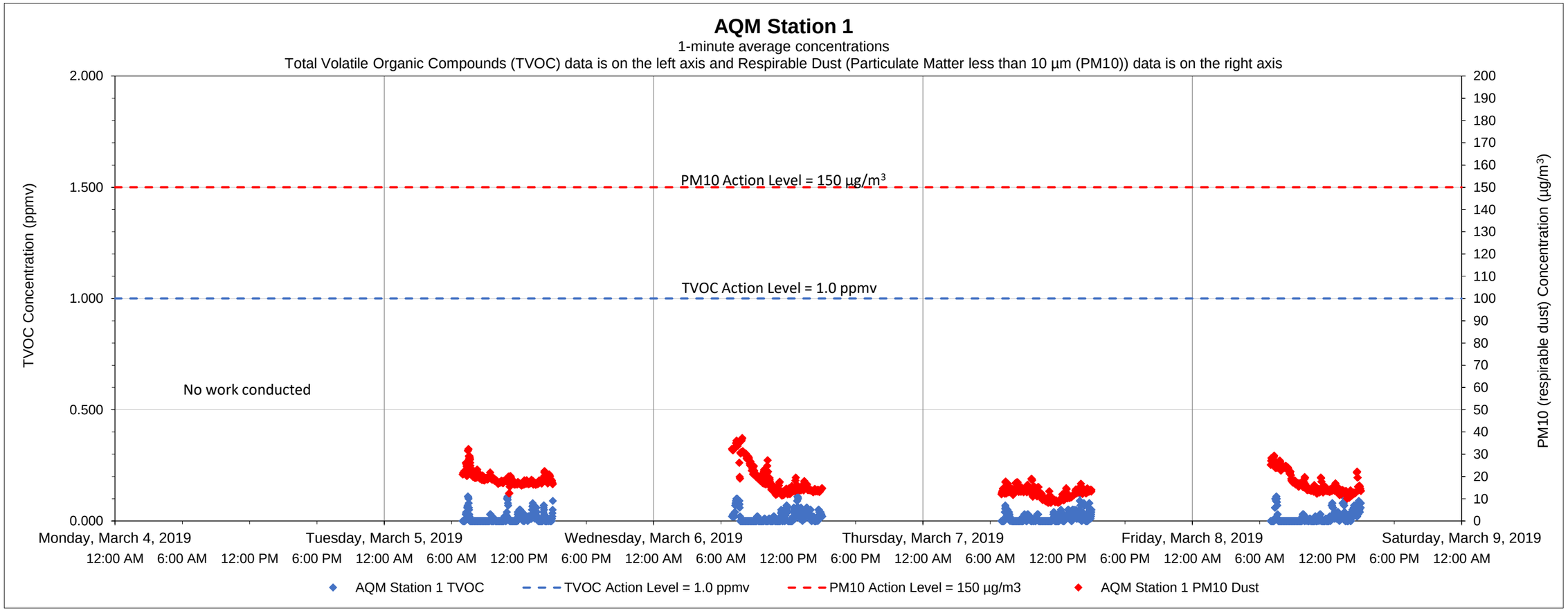
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
3/8/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.13	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.77	µg/m^3
PM10 maximum concentration	37.23	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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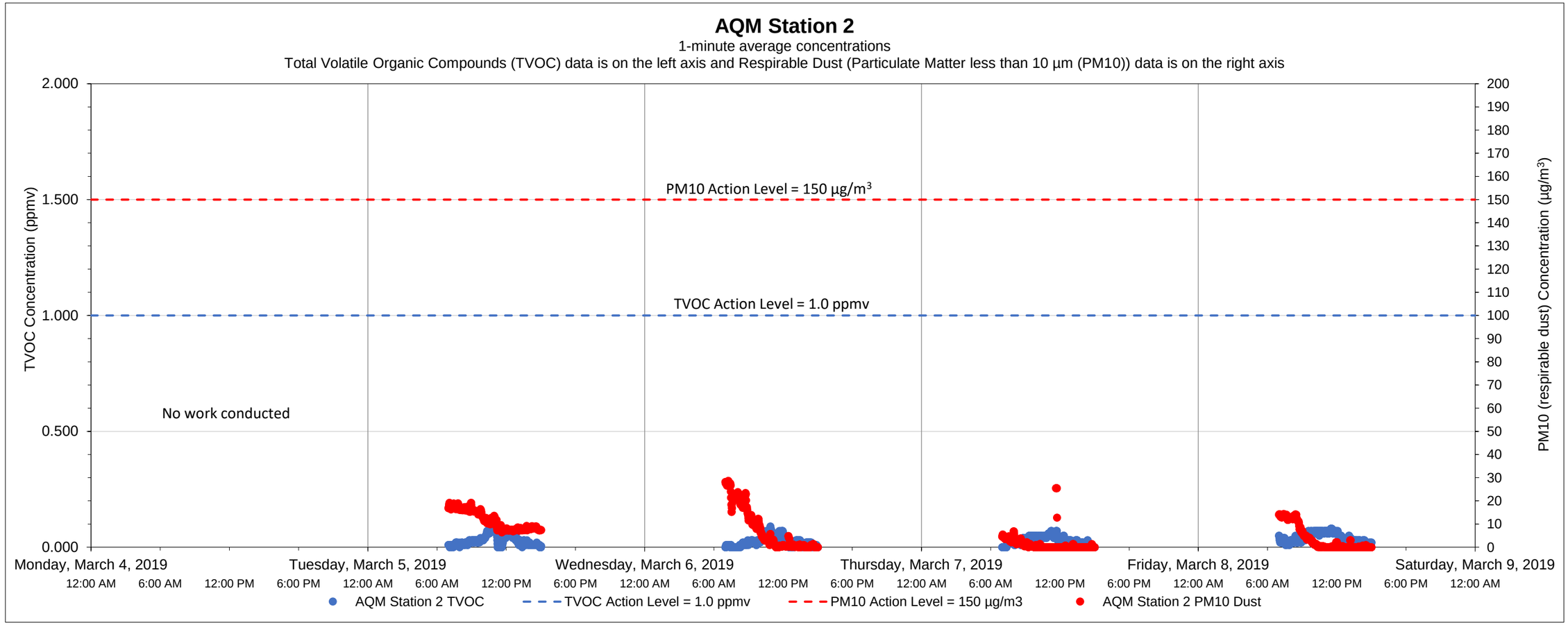
GZA Job No. 03.0033554.04
3/8/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.09	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.02	µg/m^3
PM10 maximum concentration	28.66	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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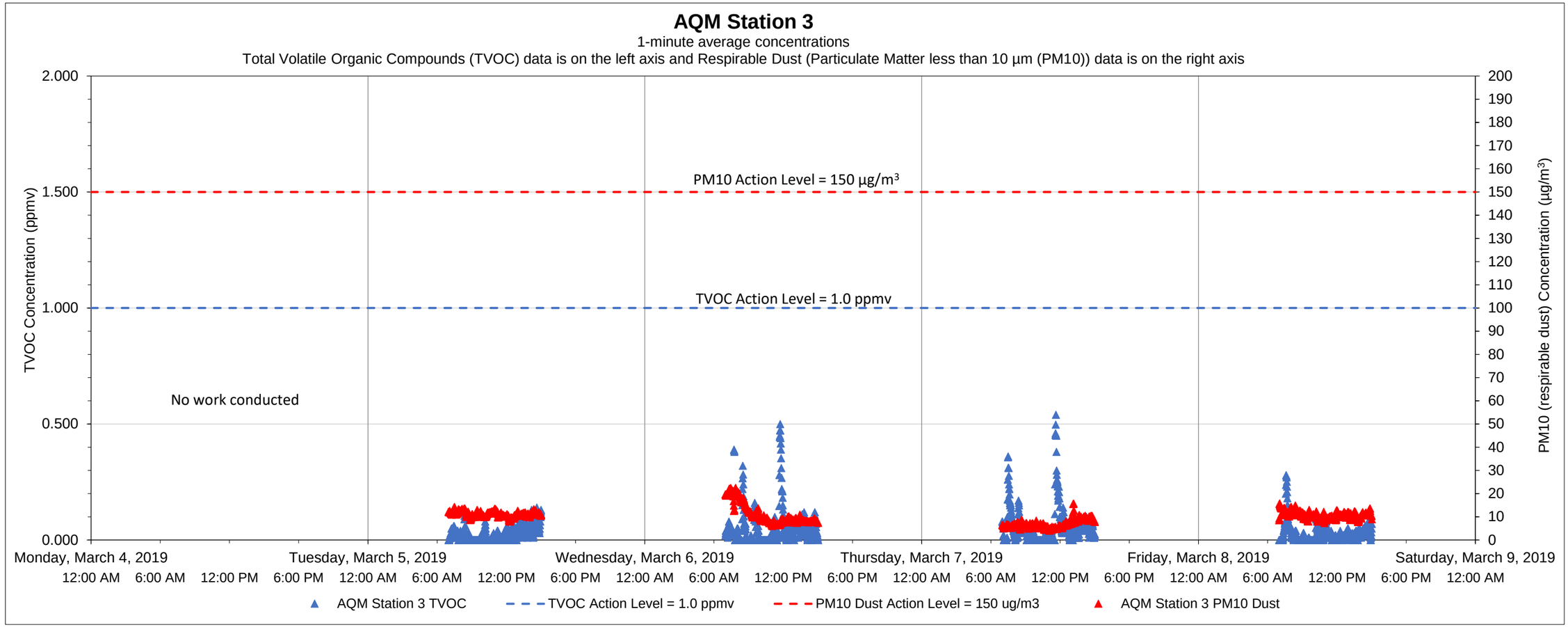
GZA Job No. 03.0033554.04
3/8/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.54	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.03	µg/m^3
PM10 maximum concentration	22.49	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
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GZA Job No. 03.0033554.04
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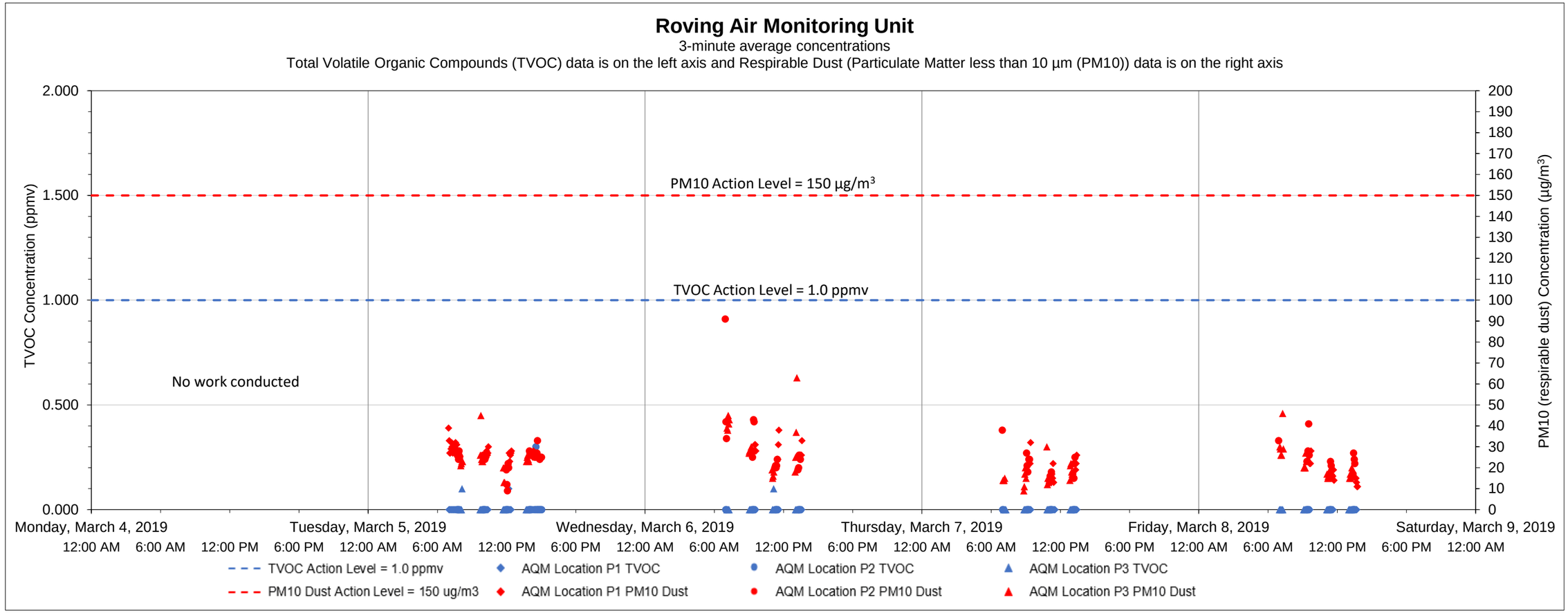

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	22.22	µg/m^3
PM10 maximum concentration	91	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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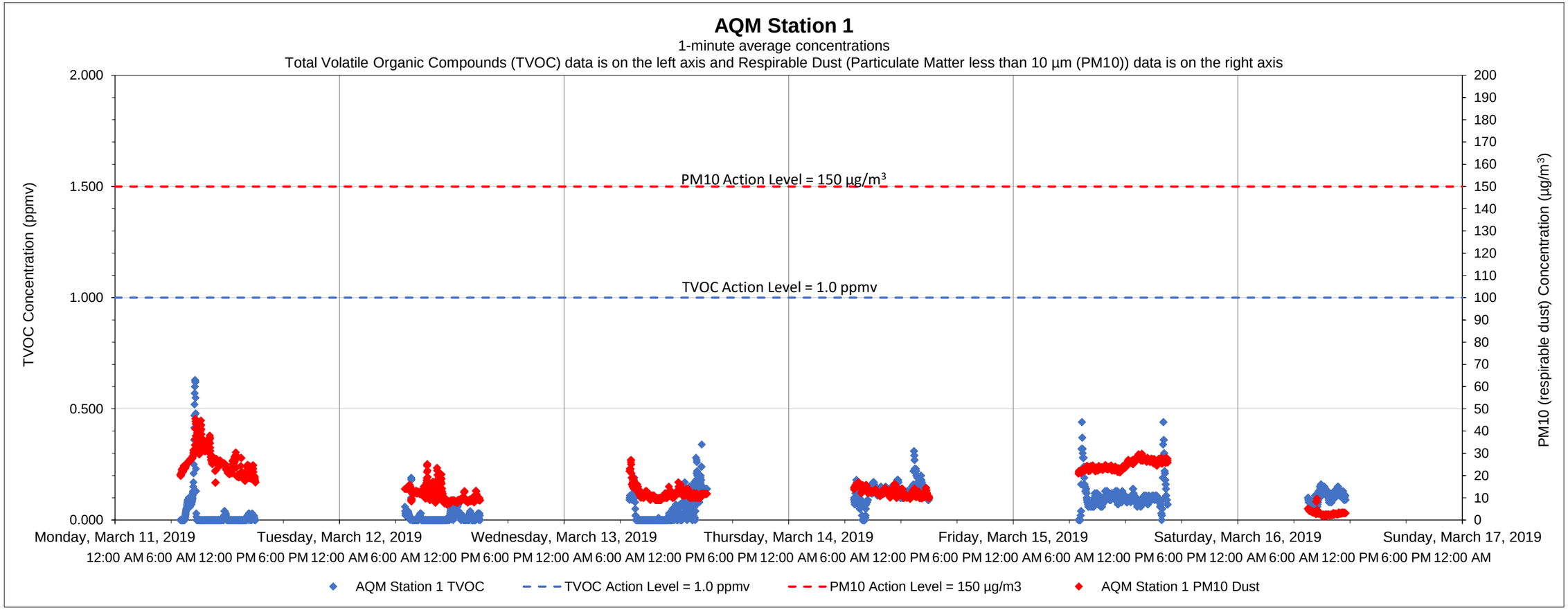
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
3/16/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.63	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.23	µg/m^3
PM10 maximum concentration	45.53	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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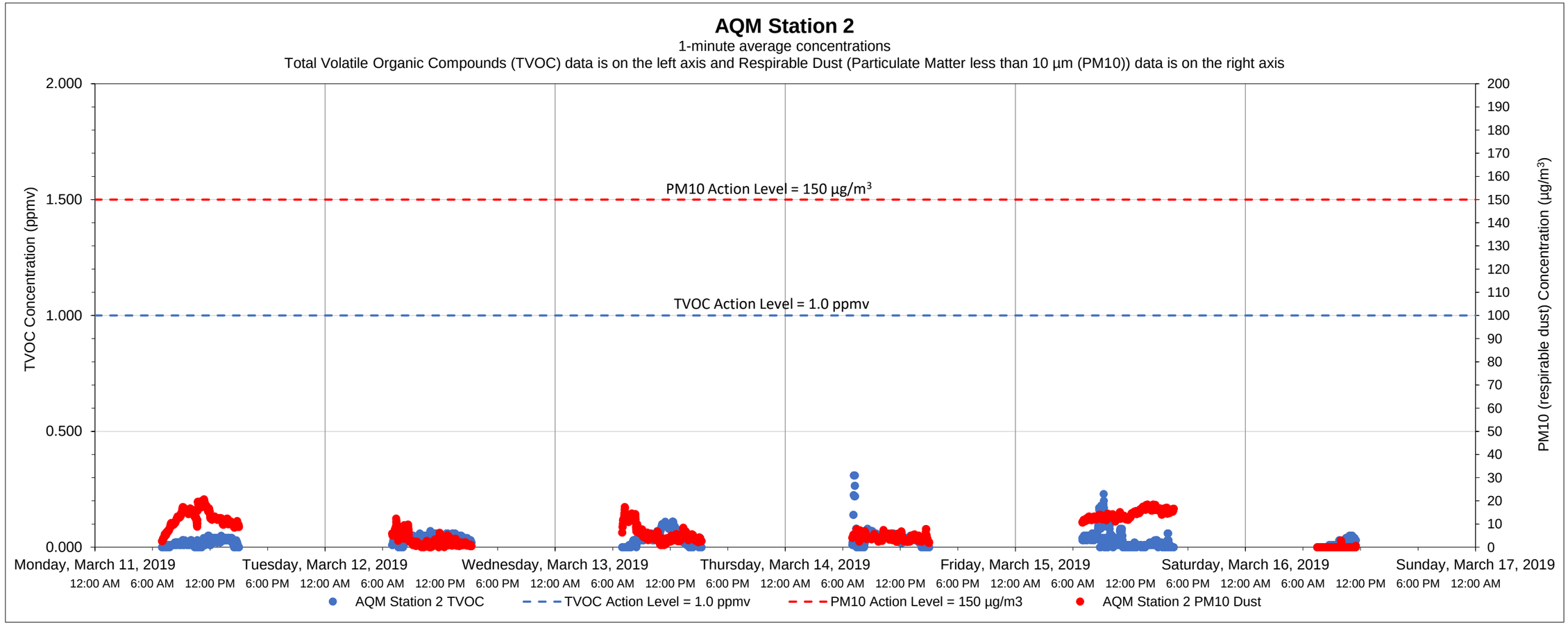

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.37	µg/m^3
PM10 maximum concentration	20.72	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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Liquefaction Facility Project -
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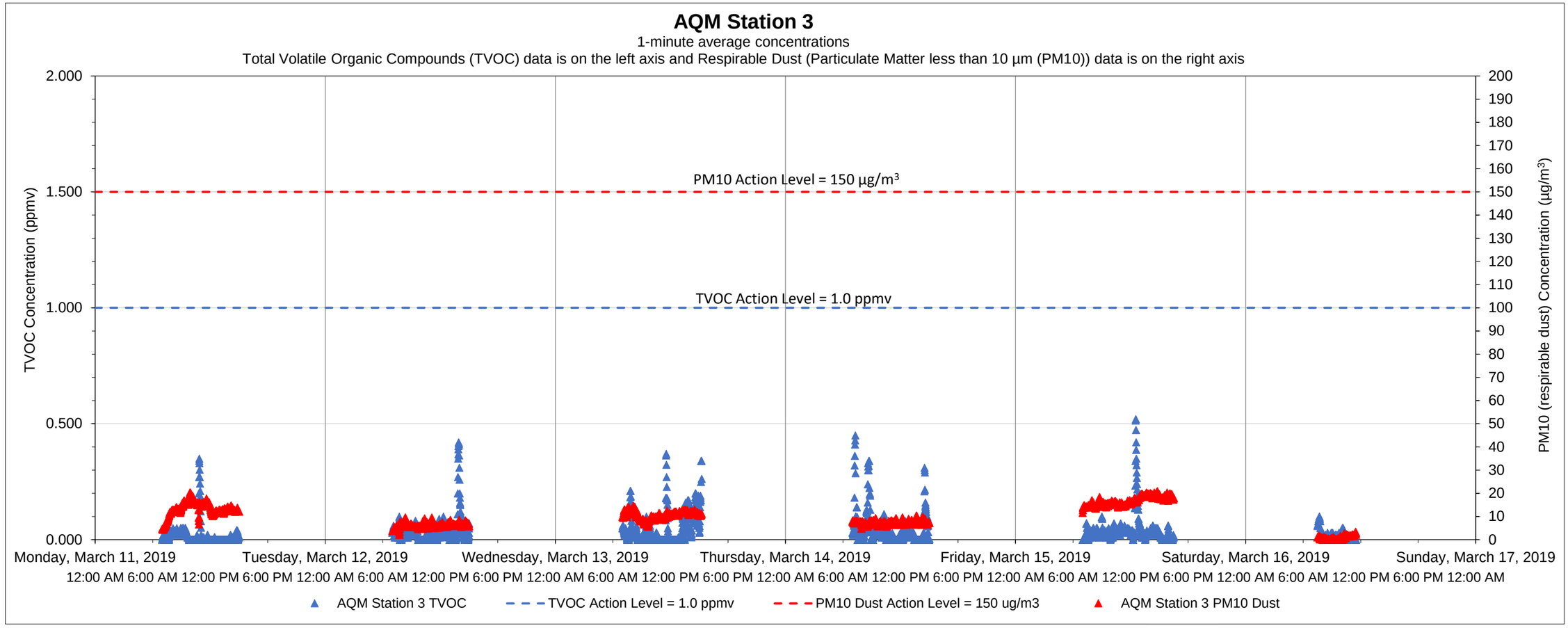
GZA Job No. 03.0033554.04
3/16/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.52	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.20	µg/m^3
PM10 maximum concentration	20.94	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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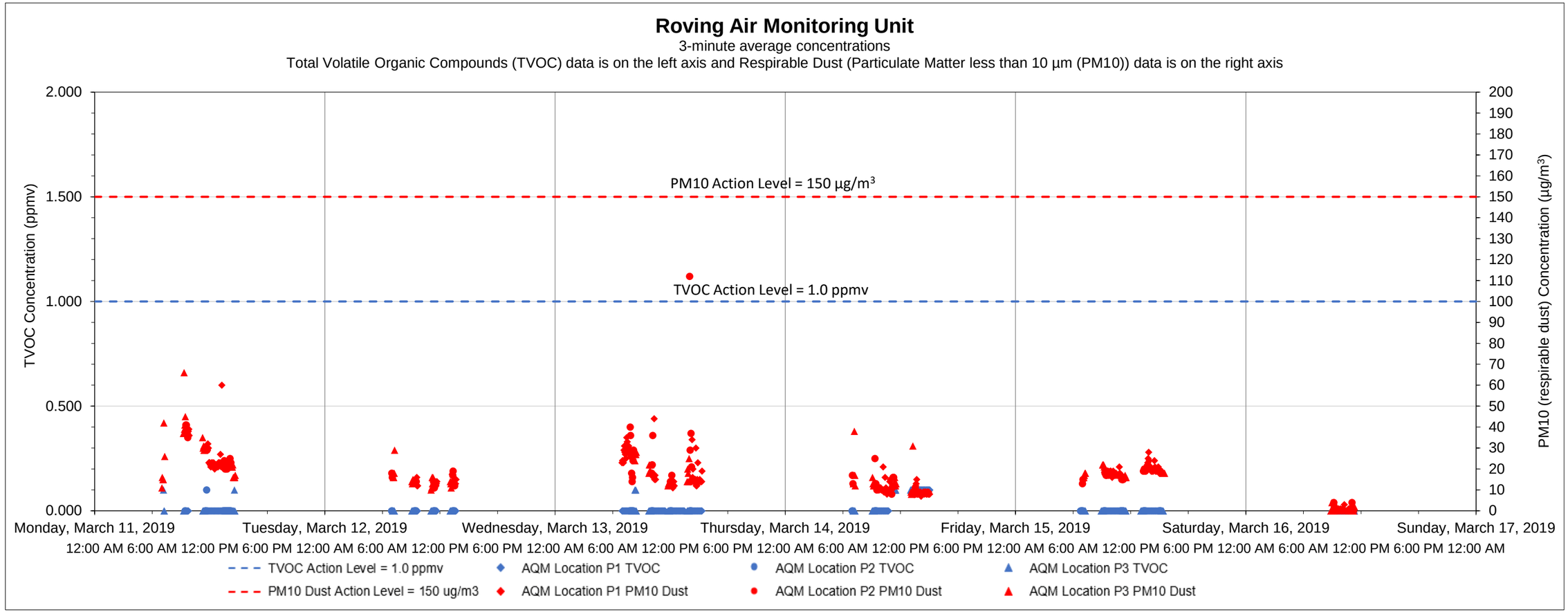
GZA Job No. 03.0033554.04
3/16/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.50	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.30	µg/m^3
PM10 maximum concentration	112	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
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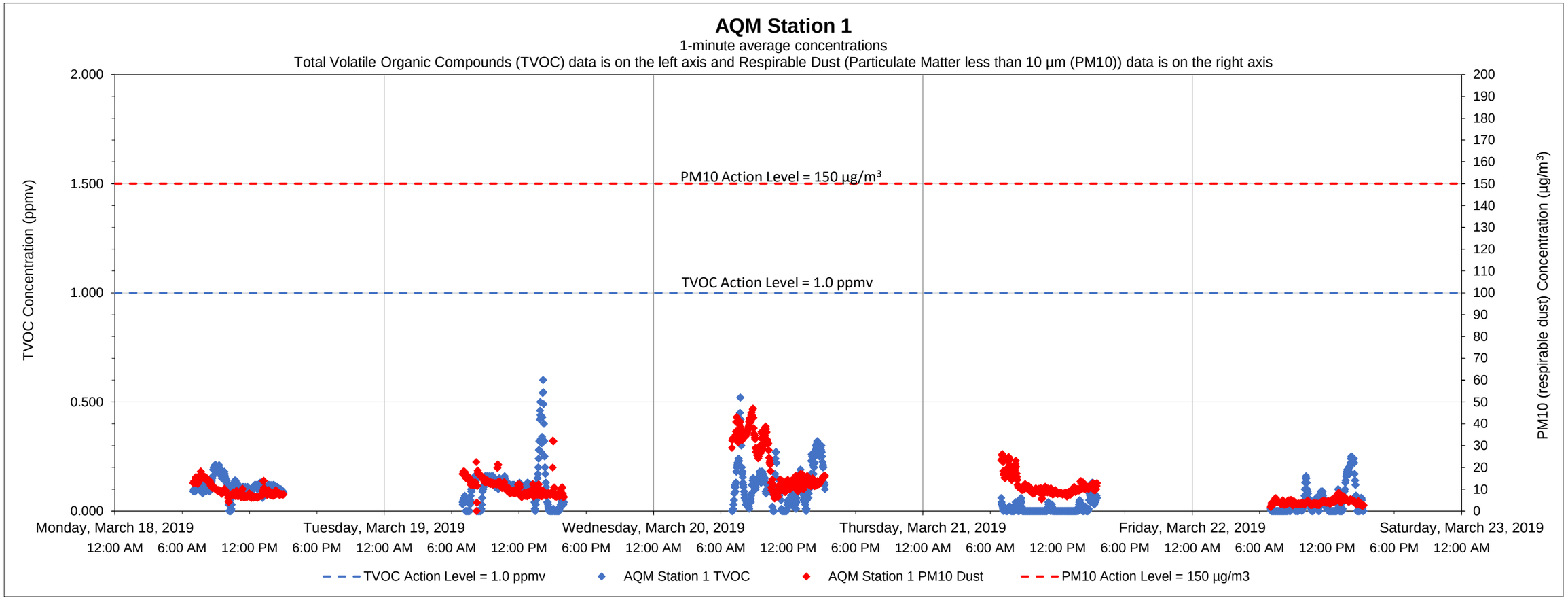
GZA Job No. 03.0033554.04
3/25/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	0.60	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.34	µg/m^3
PM10 maximum concentration	46.97	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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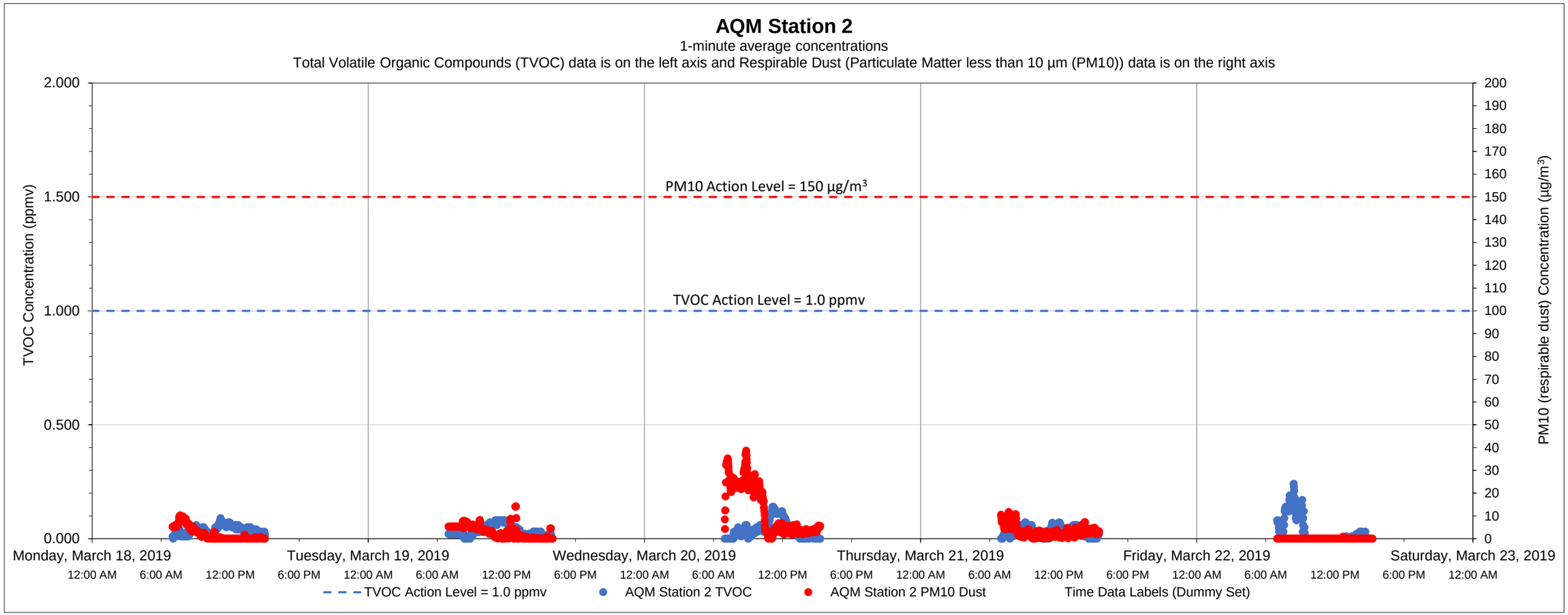

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.67	µg/m^3
PM10 maximum concentration	38.64	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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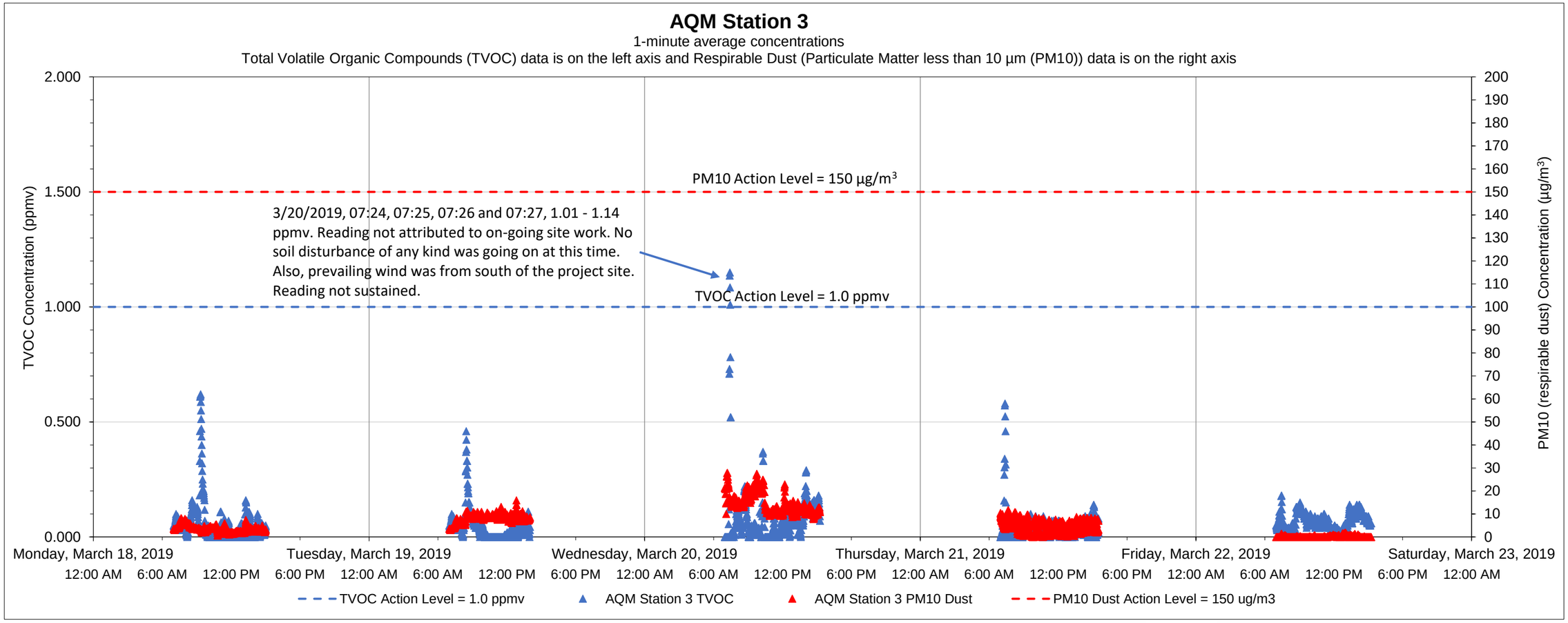

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.15	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.89	µg/m^3
PM10 maximum concentration	27.83	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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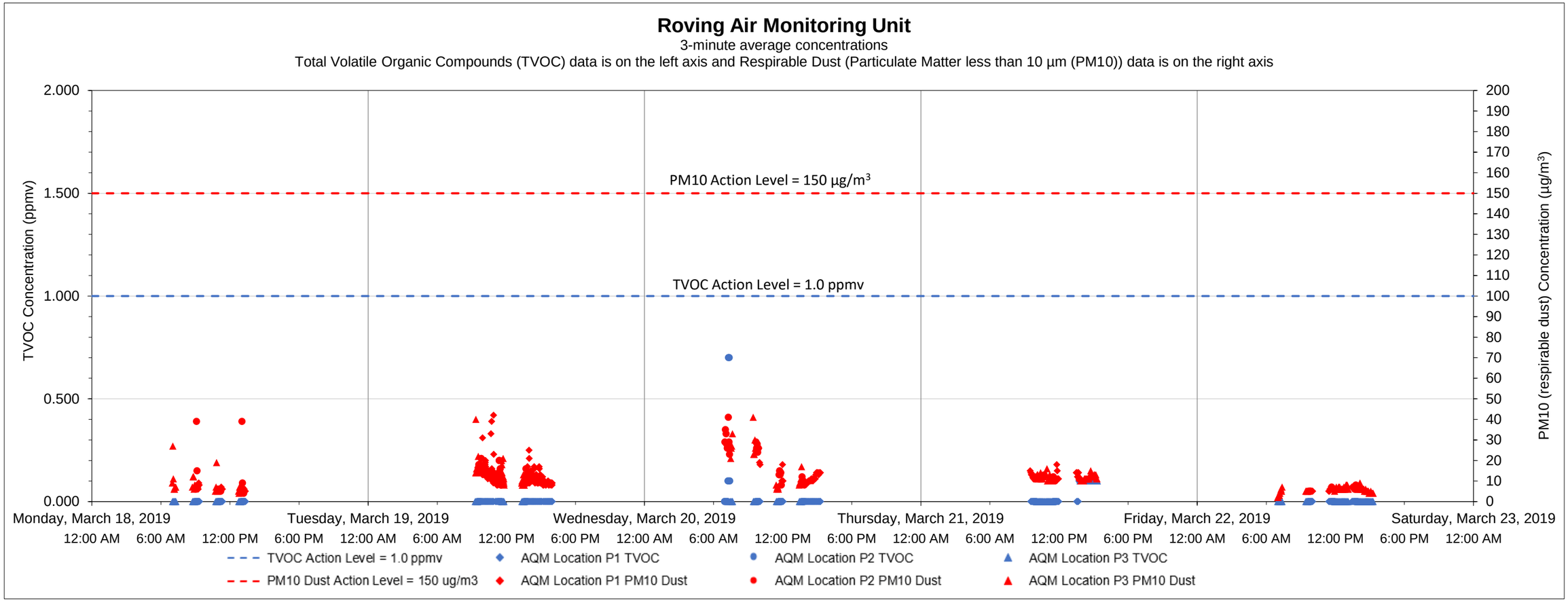

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.31	µg/m³
PM10 maximum concentration	65	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

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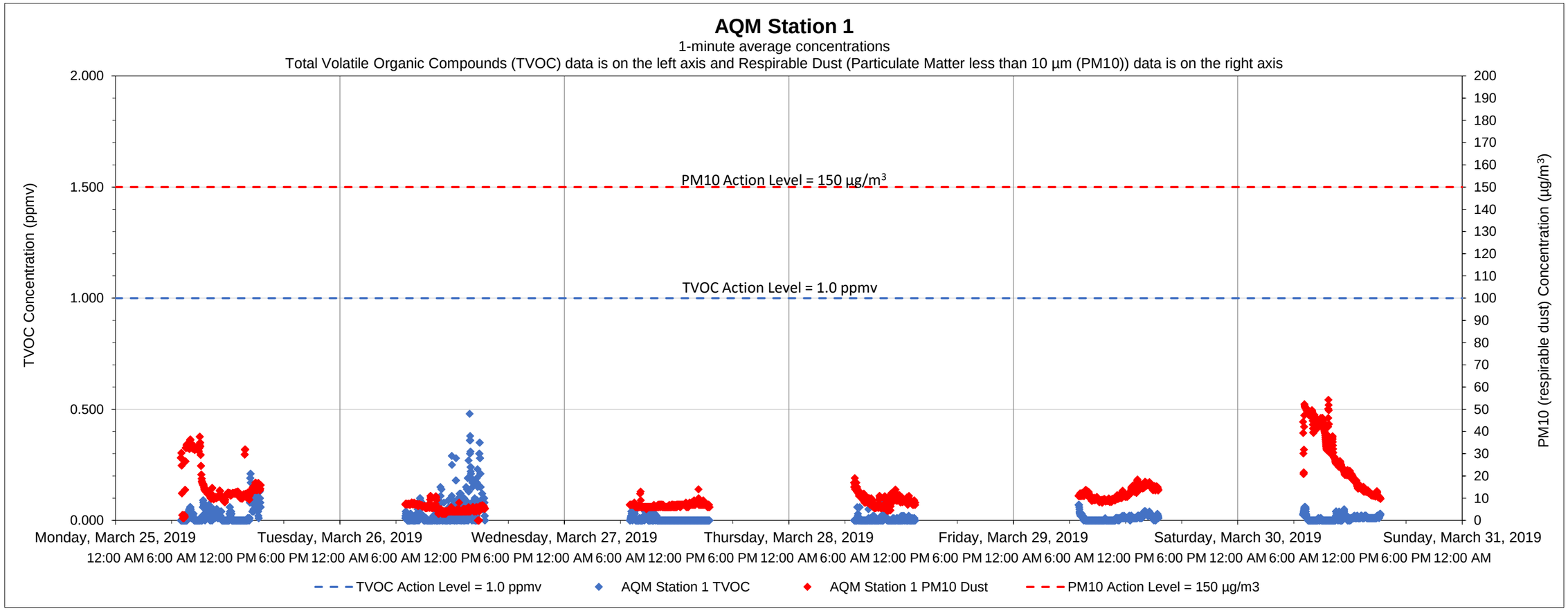
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
3/30/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.86	µg/m^3
PM10 maximum concentration	54.23	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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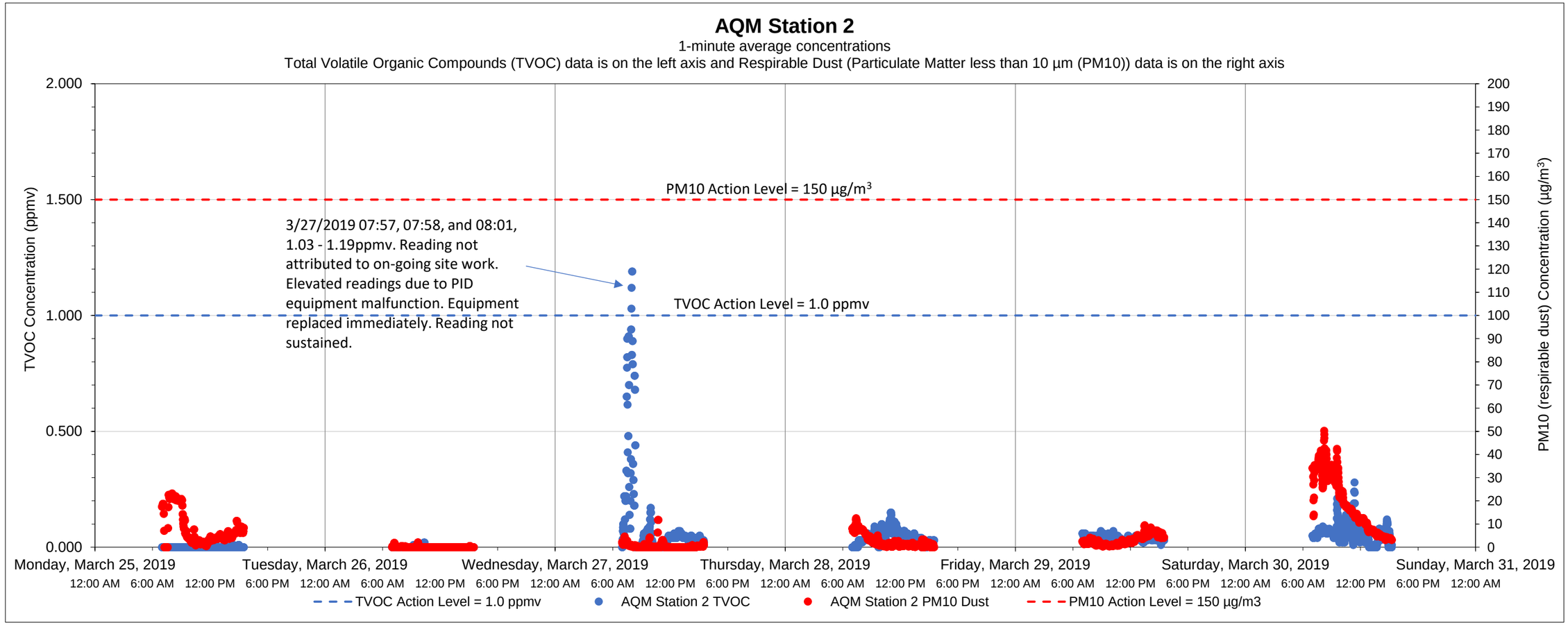

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.32	µg/m^3
PM10 maximum concentration	50.23	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
3/27/2019 - PID equipment malfunction caused transient action level exceedance at 07:57, 07:58, and 08:01. PID equipment taken out of service and replaced immediately.

Notes:

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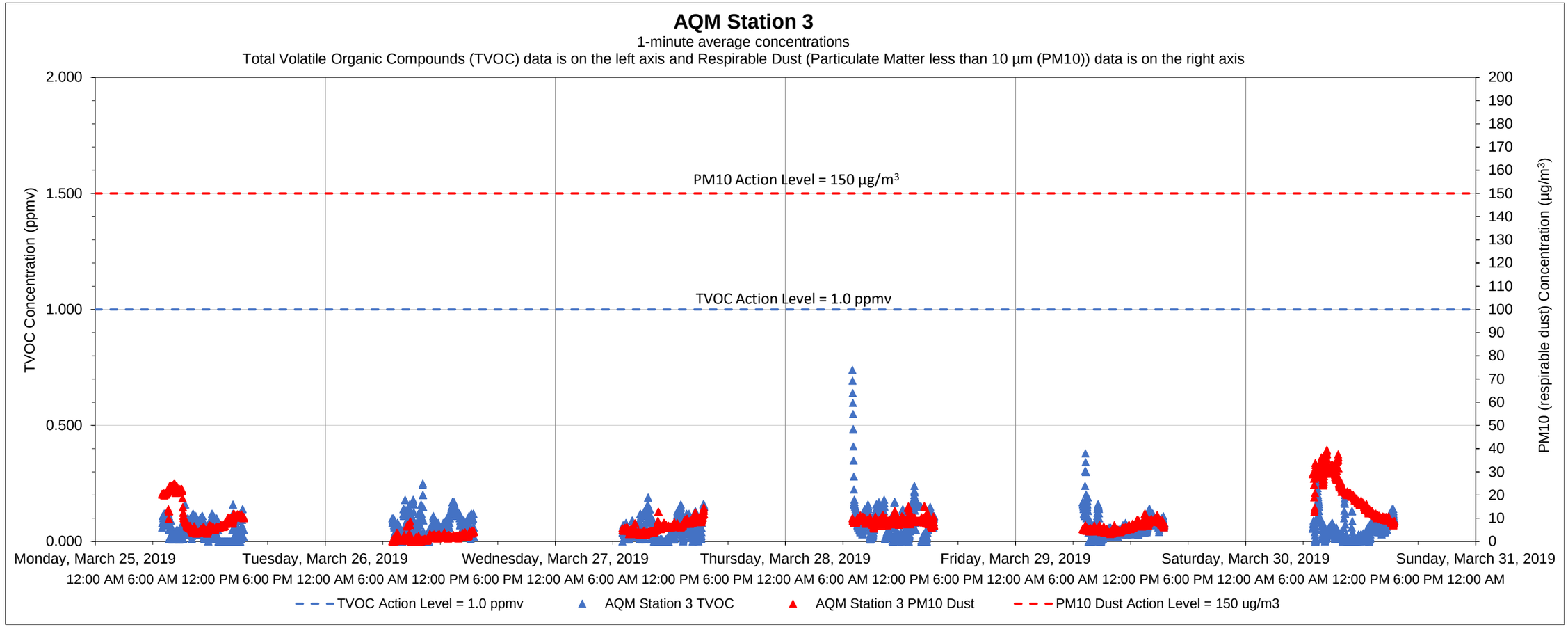

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.74	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.11	µg/m^3
PM10 maximum concentration	39.58	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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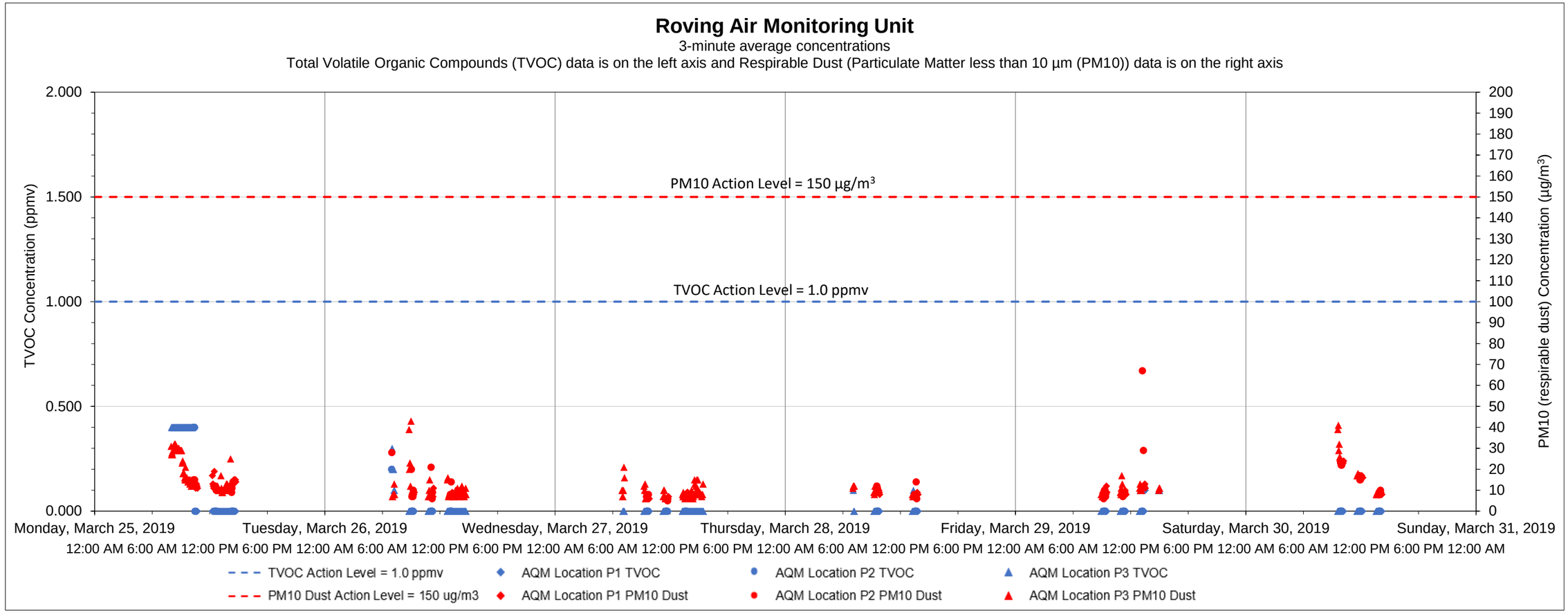

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.42	µg/m^3
PM10 maximum concentration	67	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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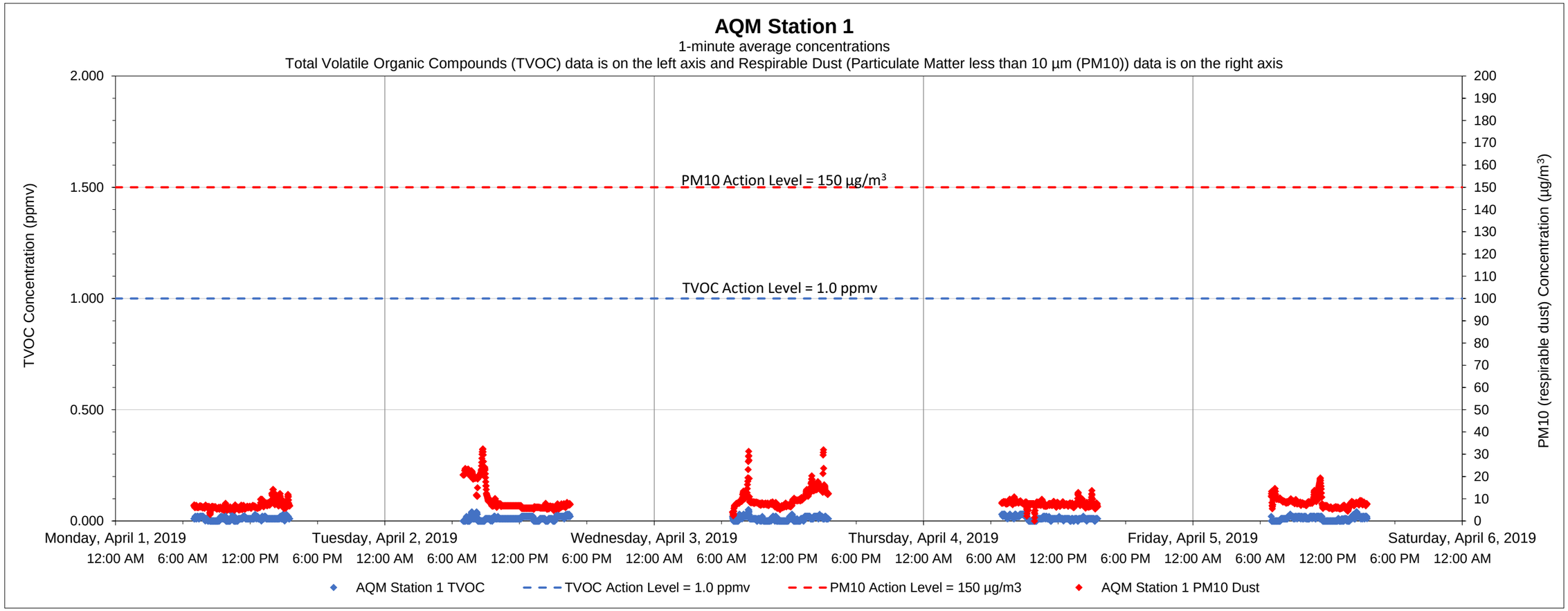

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.07	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.55	µg/m^3
PM10 maximum concentration	32.41	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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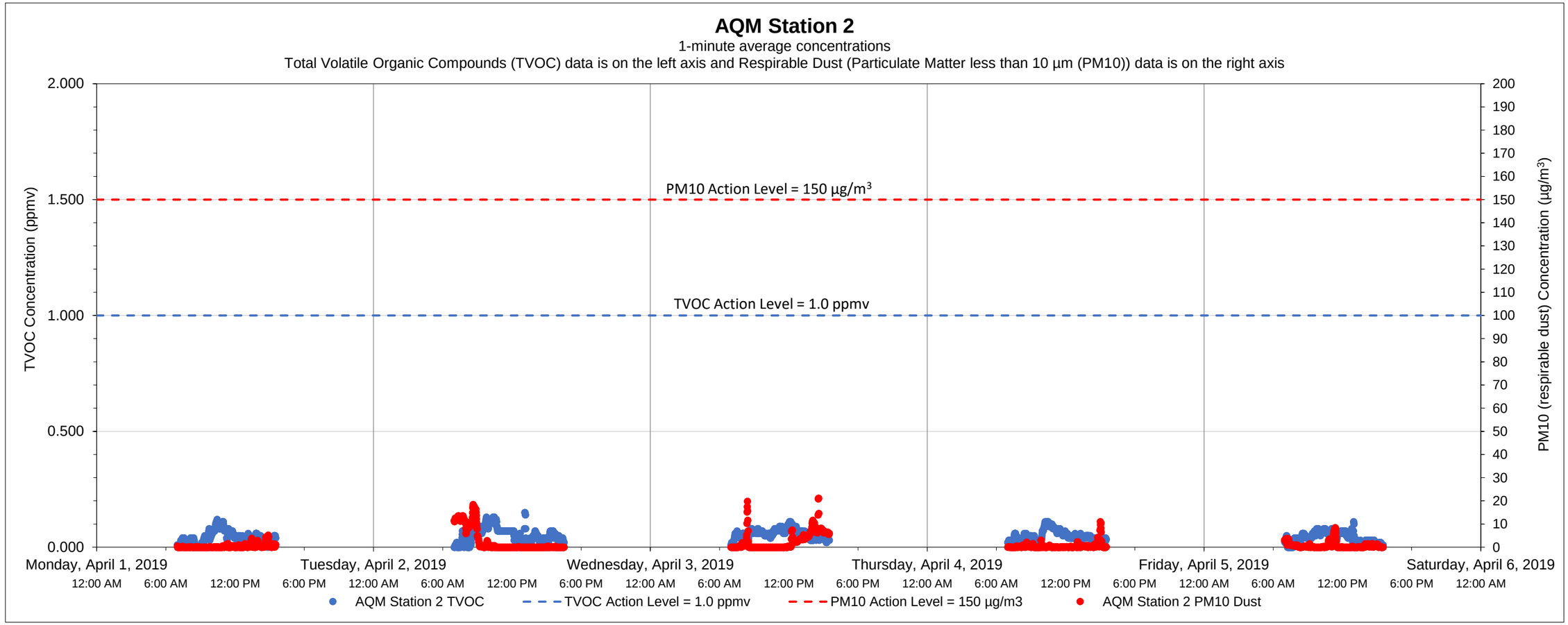

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.15	ppm
TVOCs action level	1	ppm
PM10 average concentration	1.36	µg/m^3
PM10 maximum concentration	21.18	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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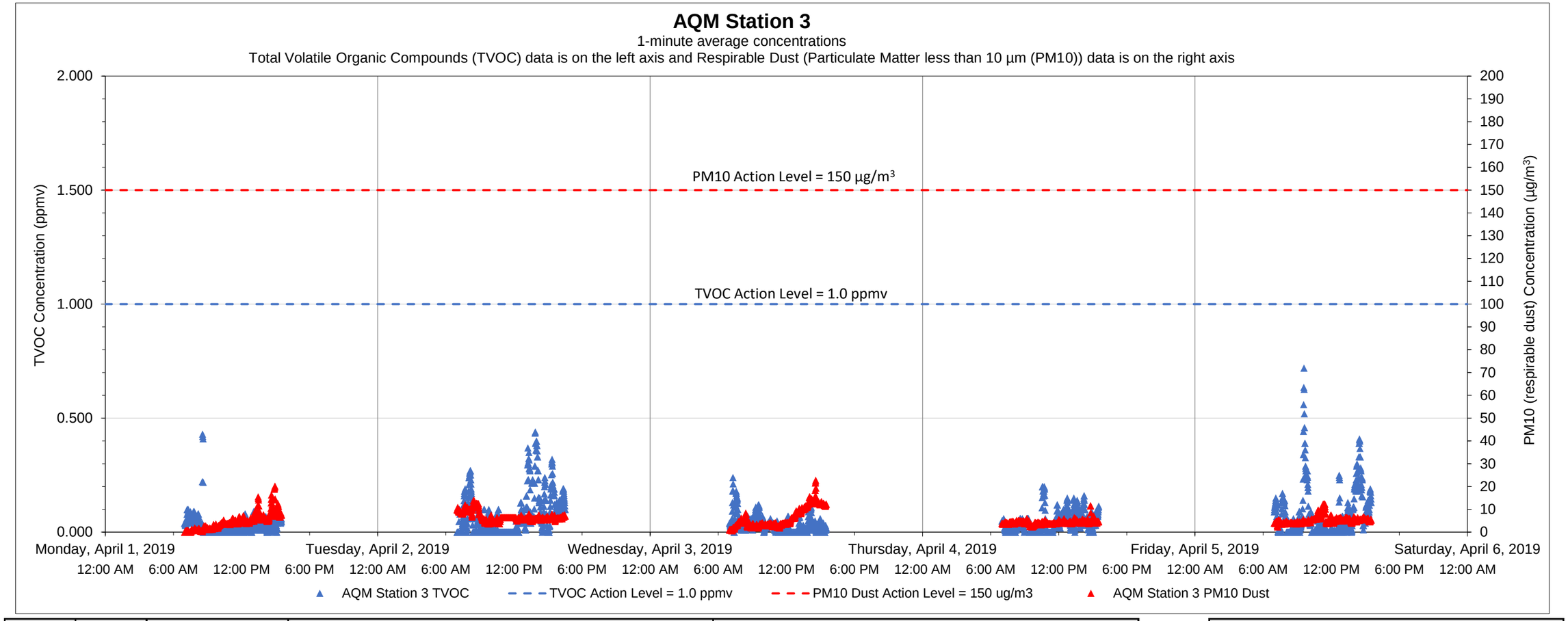

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.72	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.53	µg/m³
PM10 maximum concentration	22.77	µg/m³
PM10 action level	150	µg/m³

Equipment Notes
None

Notes:
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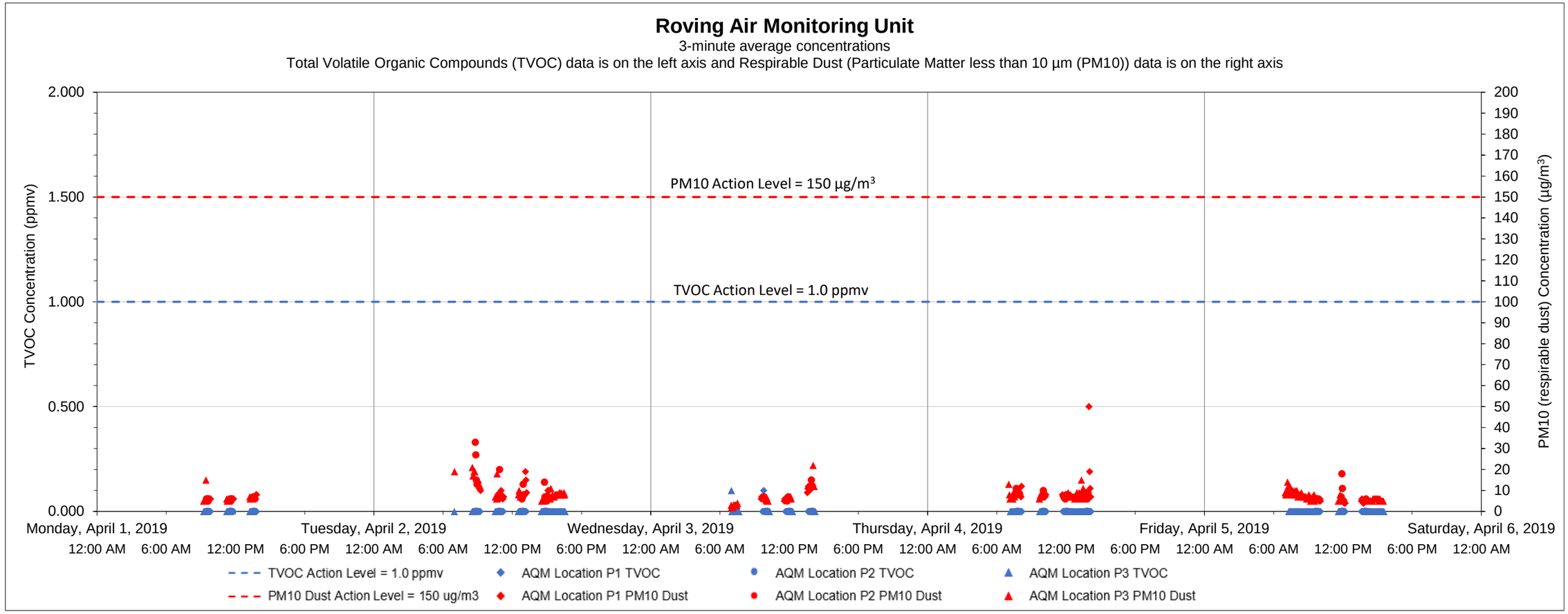

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.76	µg/m^3
PM10 maximum concentration	63	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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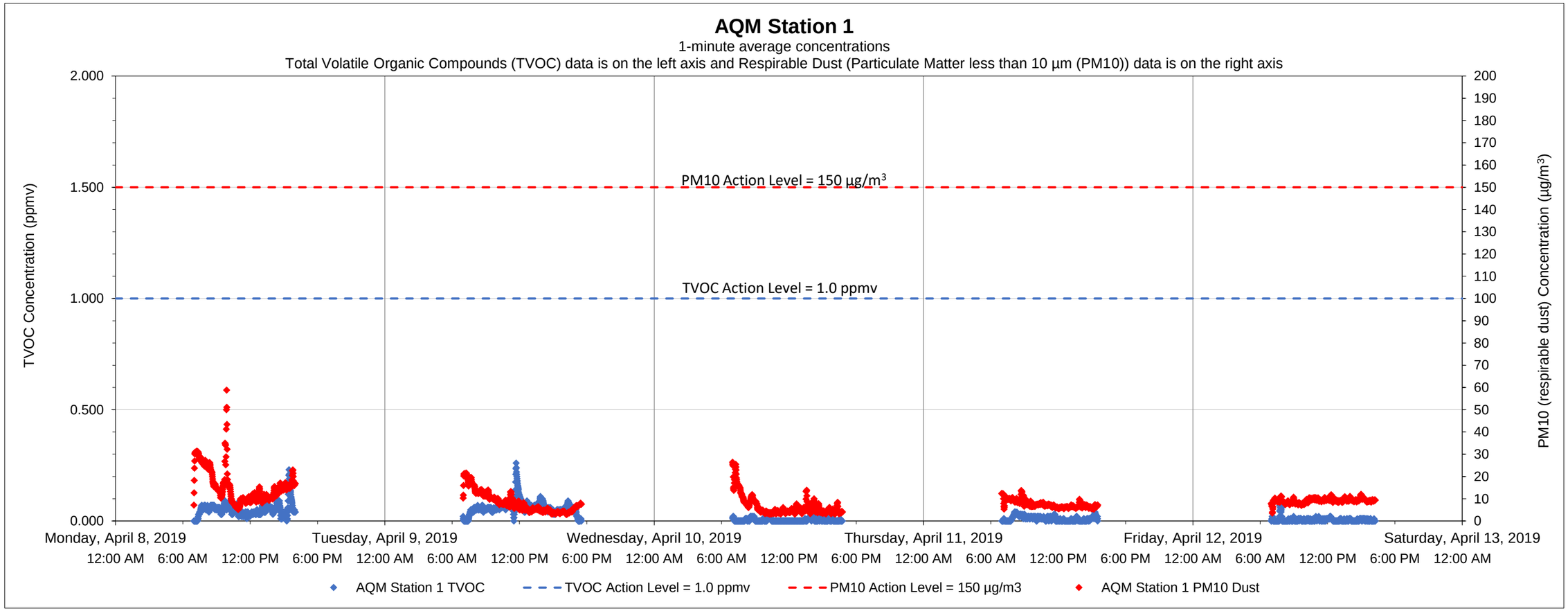

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.26	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.19	µg/m^3
PM10 maximum concentration	58.81	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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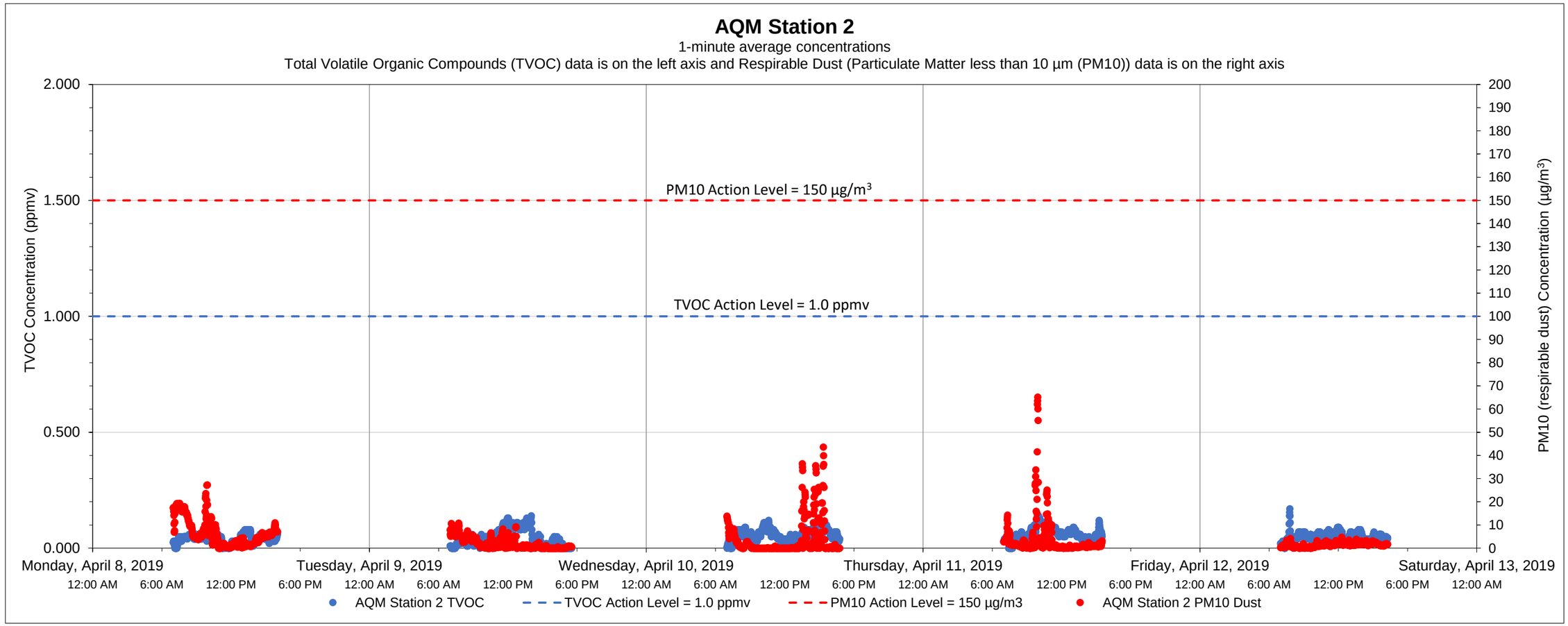

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.17	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.17	µg/m^3
PM10 maximum concentration	65.13	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes

Notes:

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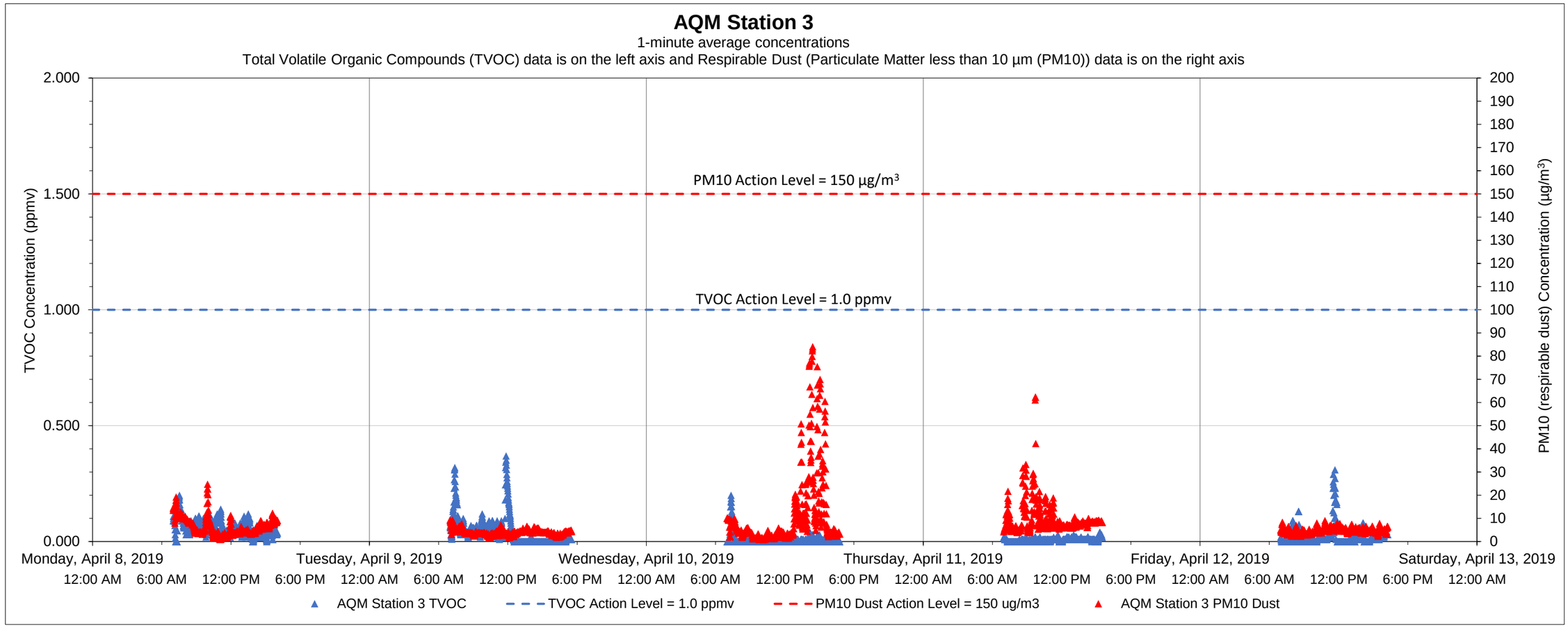

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.37	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.95	µg/m^3
PM10 maximum concentration	84.11	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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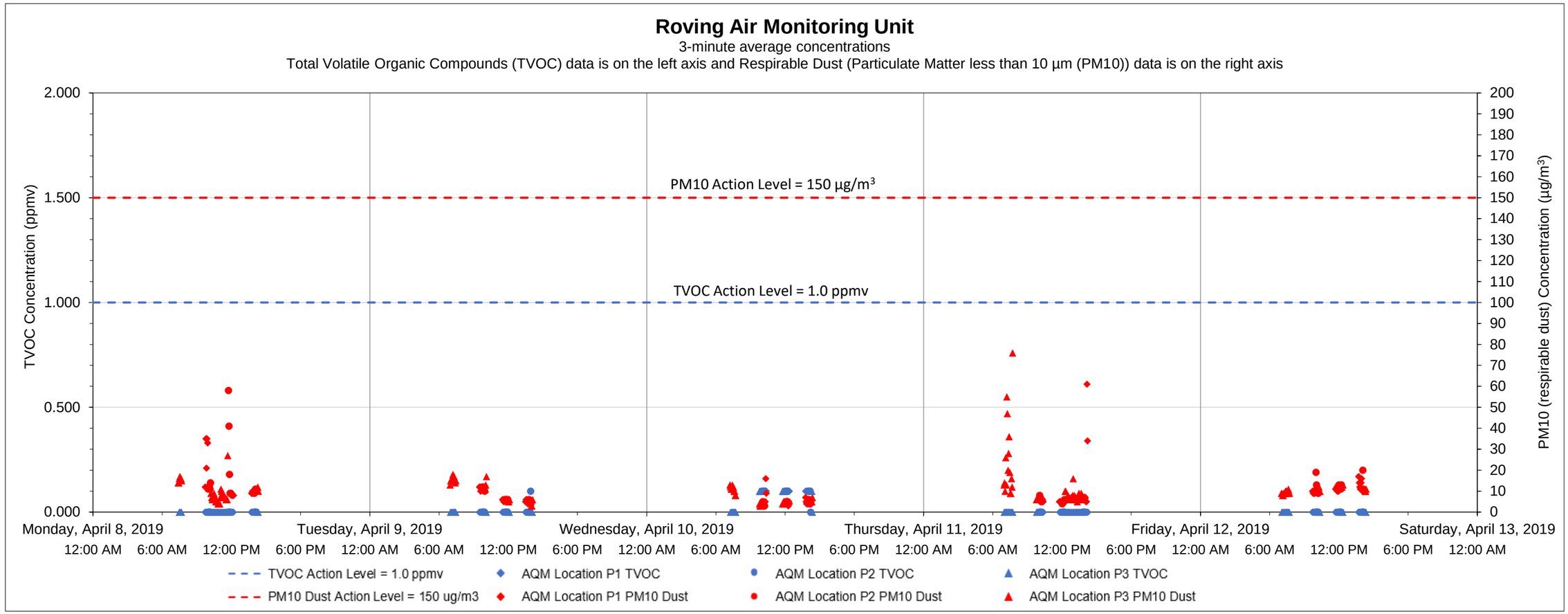

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.23	µg/m^3
PM10 maximum concentration	76	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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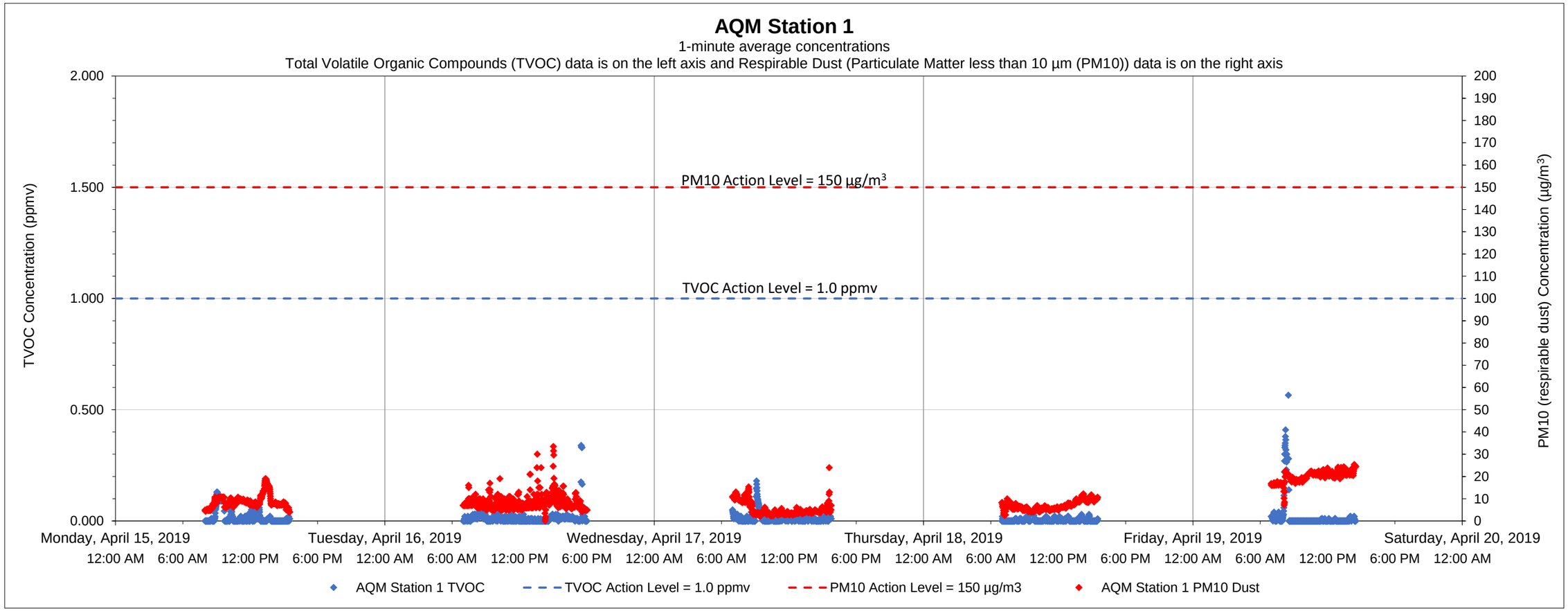

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.56	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.34	µg/m^3
PM10 maximum concentration	33.48	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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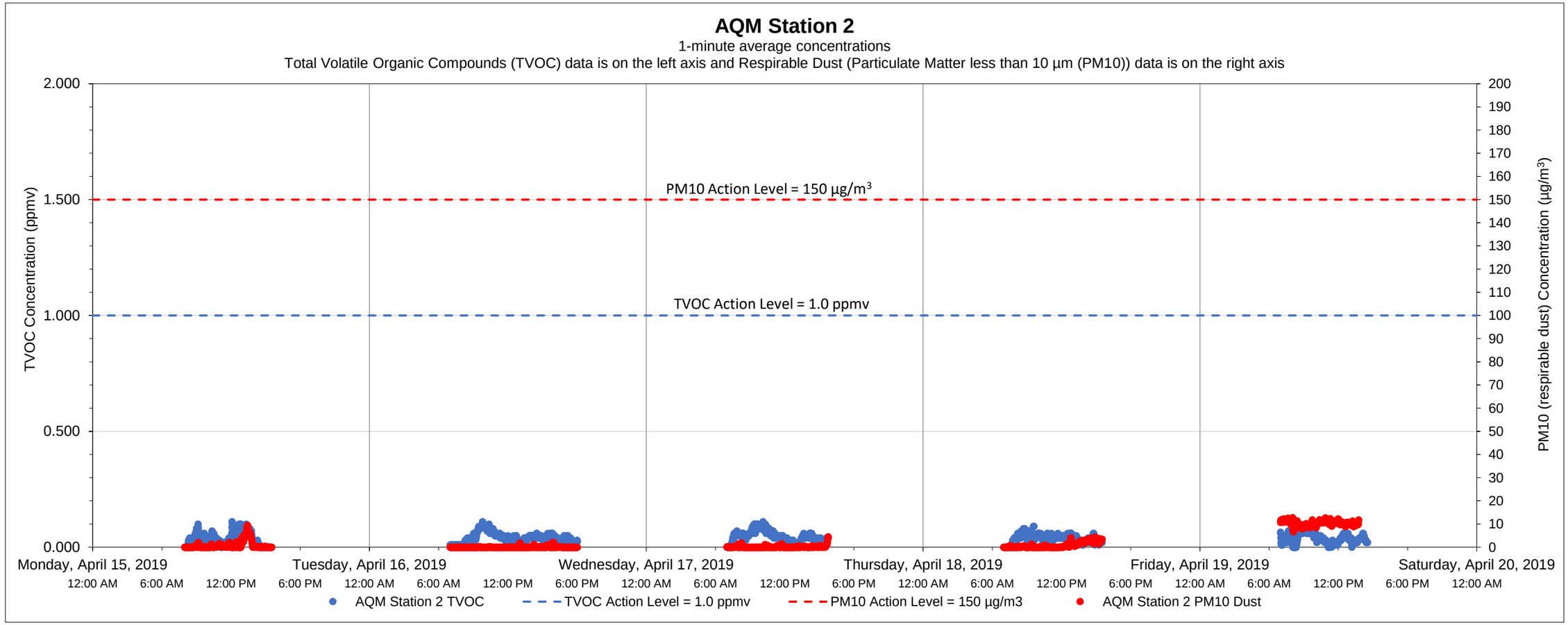

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.11	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.19	µg/m^3
PM10 maximum concentration	15.41	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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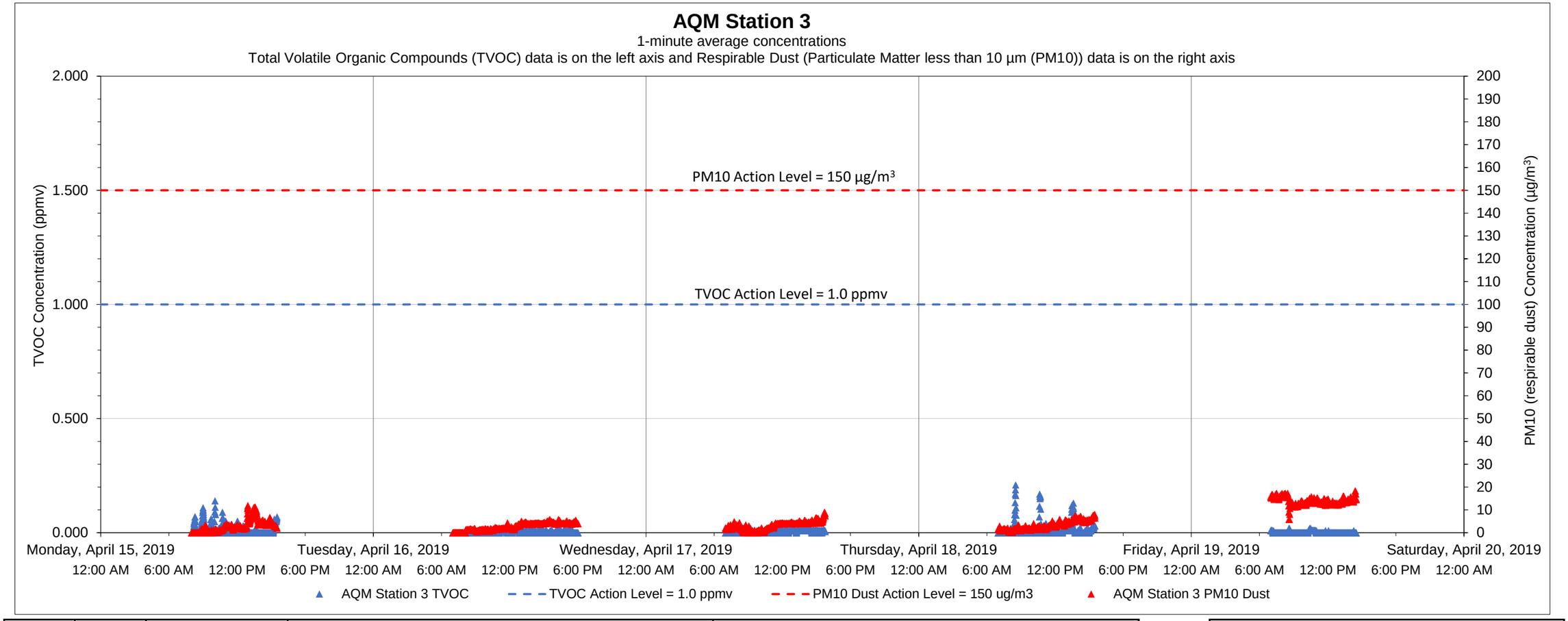

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.21	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.94	µg/m³
PM10 maximum concentration	18.31	µg/m³
PM10 action level	150	µg/m³

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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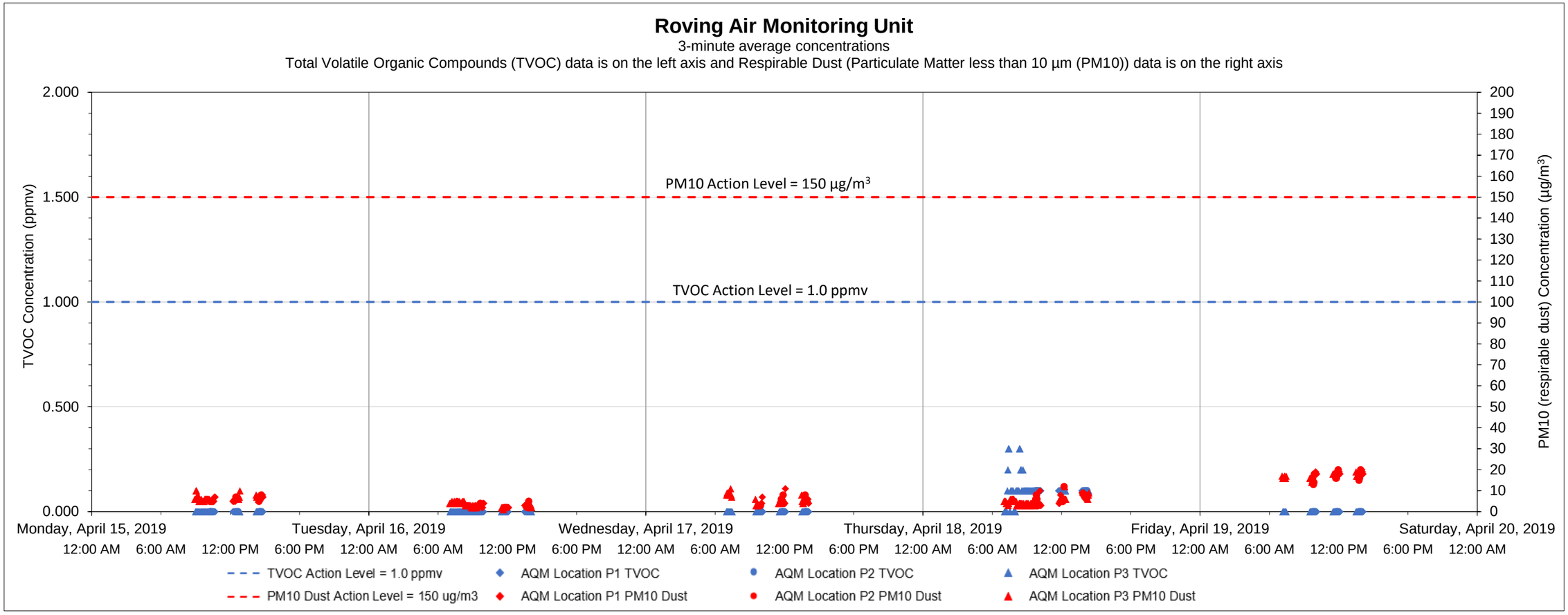

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.67	µg/m^3
PM10 maximum concentration	58	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

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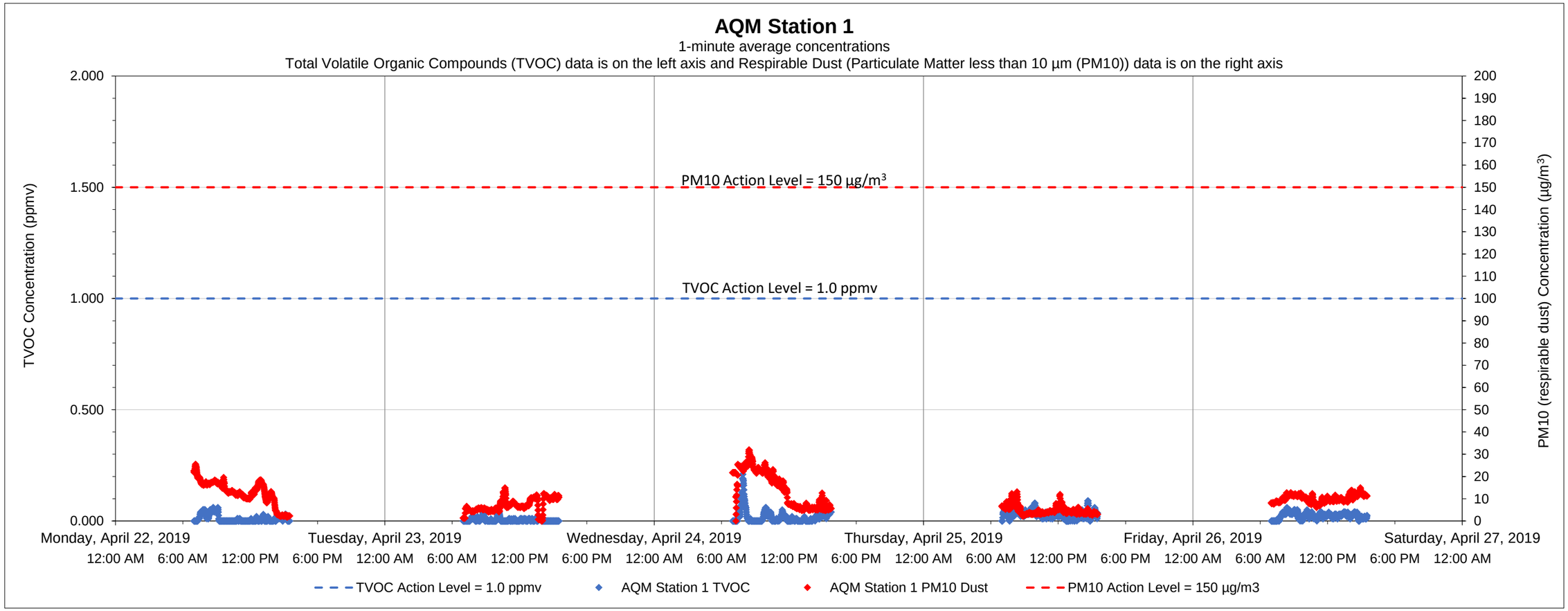

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.23	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.82	µg/m^3
PM10 maximum concentration	32.01	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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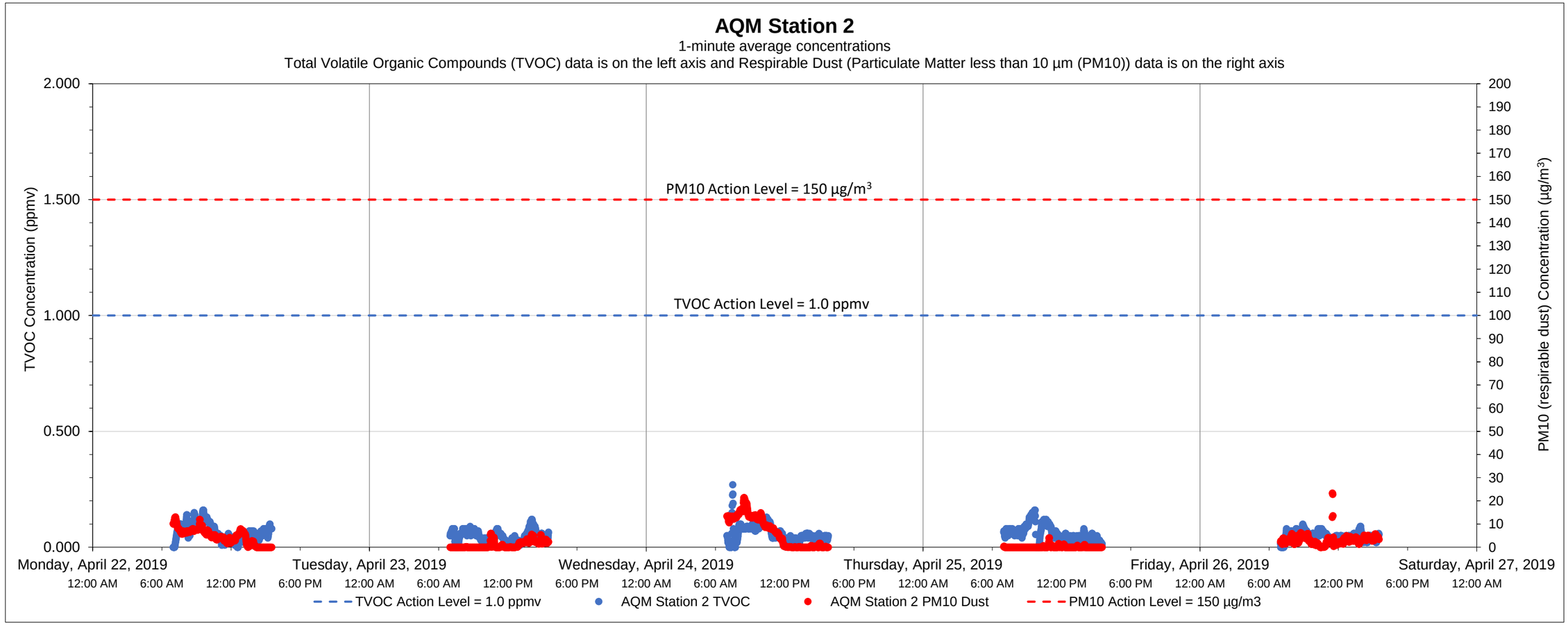
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
4/27/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.27	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.07	µg/m^3
PM10 maximum concentration	23.38	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

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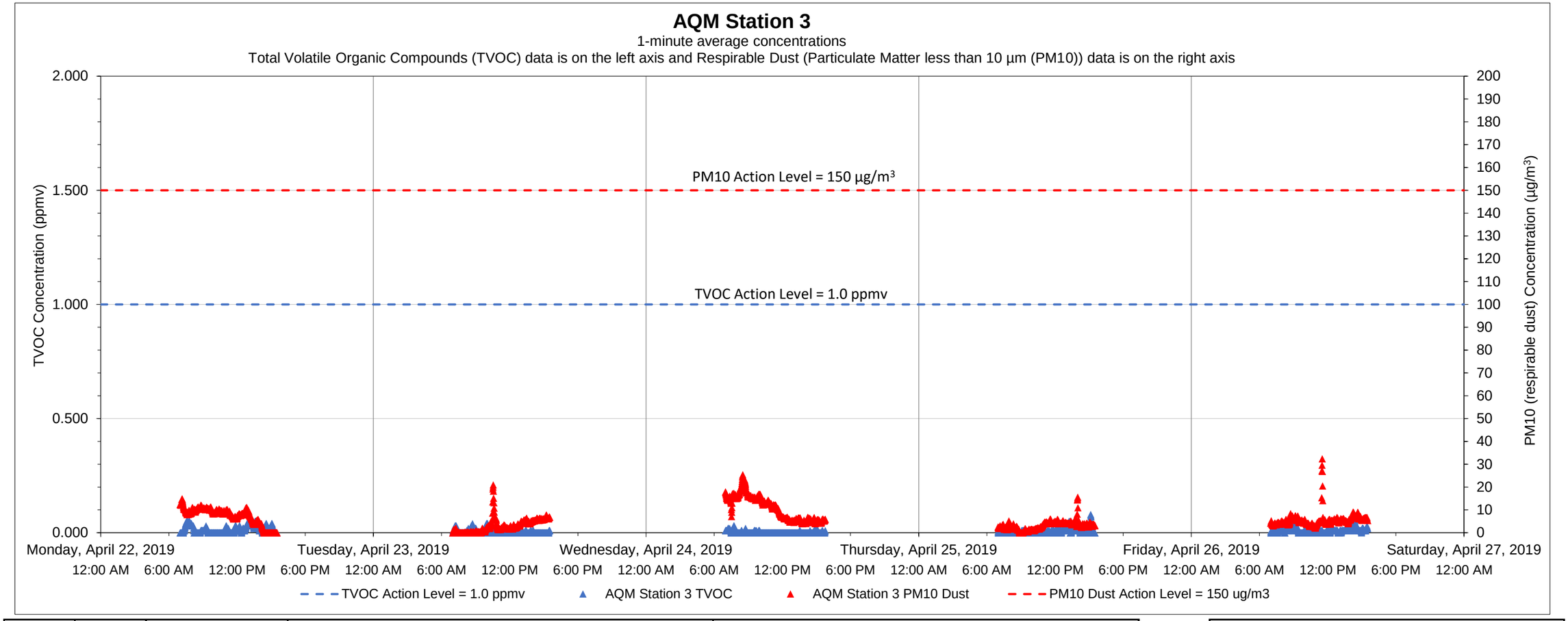

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.08	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.02	µg/m^3
PM10 maximum concentration	32.41	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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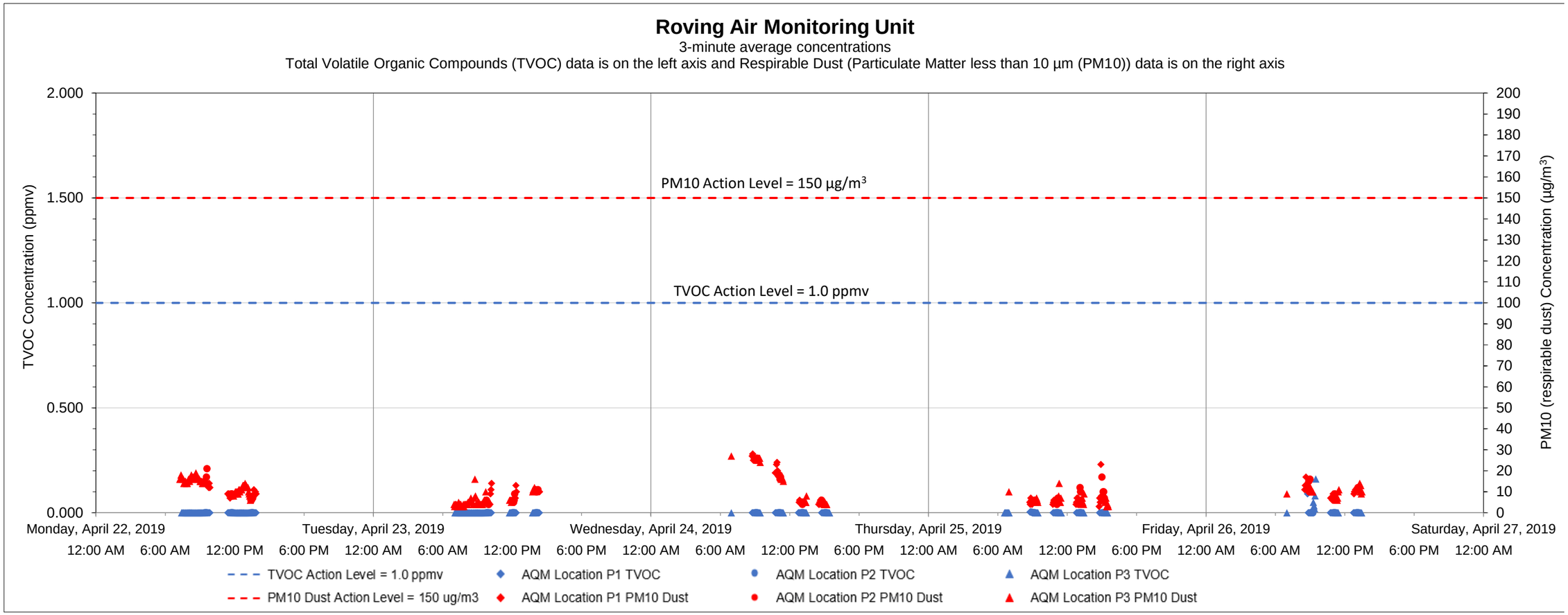

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.16	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.81	µg/m^3
PM10 maximum concentration	28	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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Liquefaction Facility Project -
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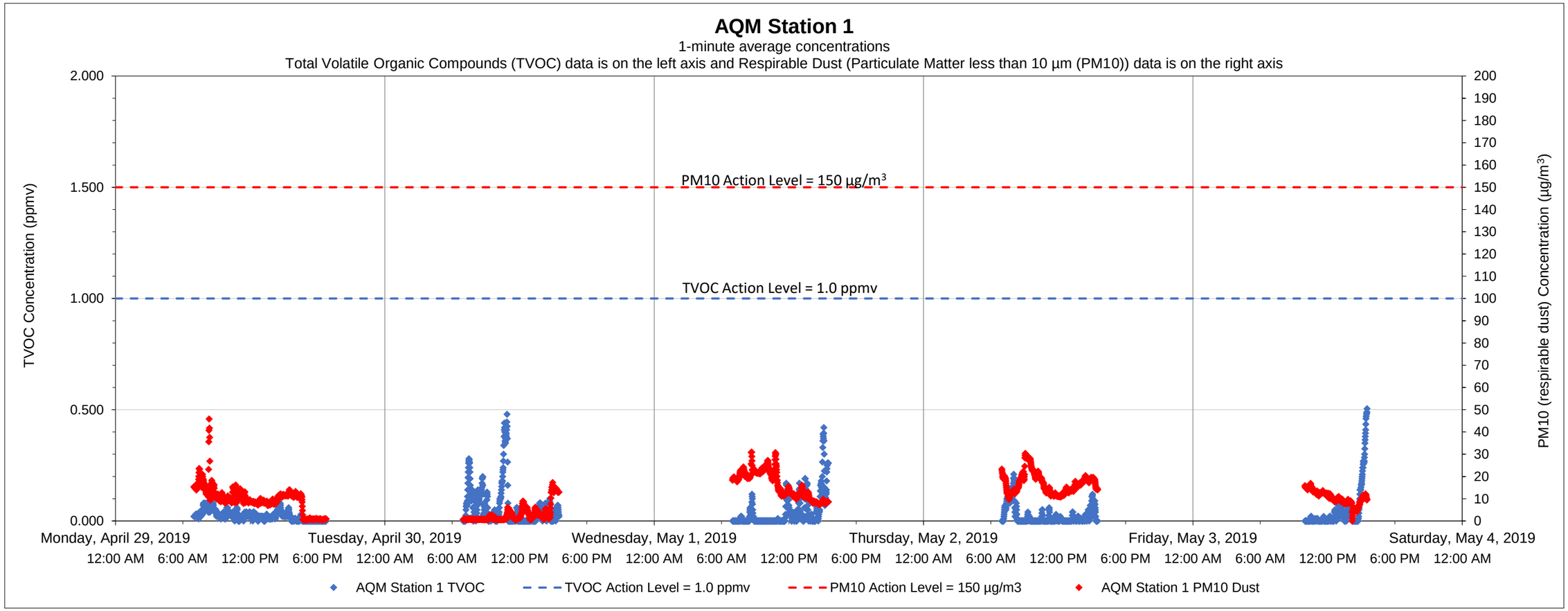
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
5/4/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.50	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.08	µg/m^3
PM10 maximum concentration	45.87	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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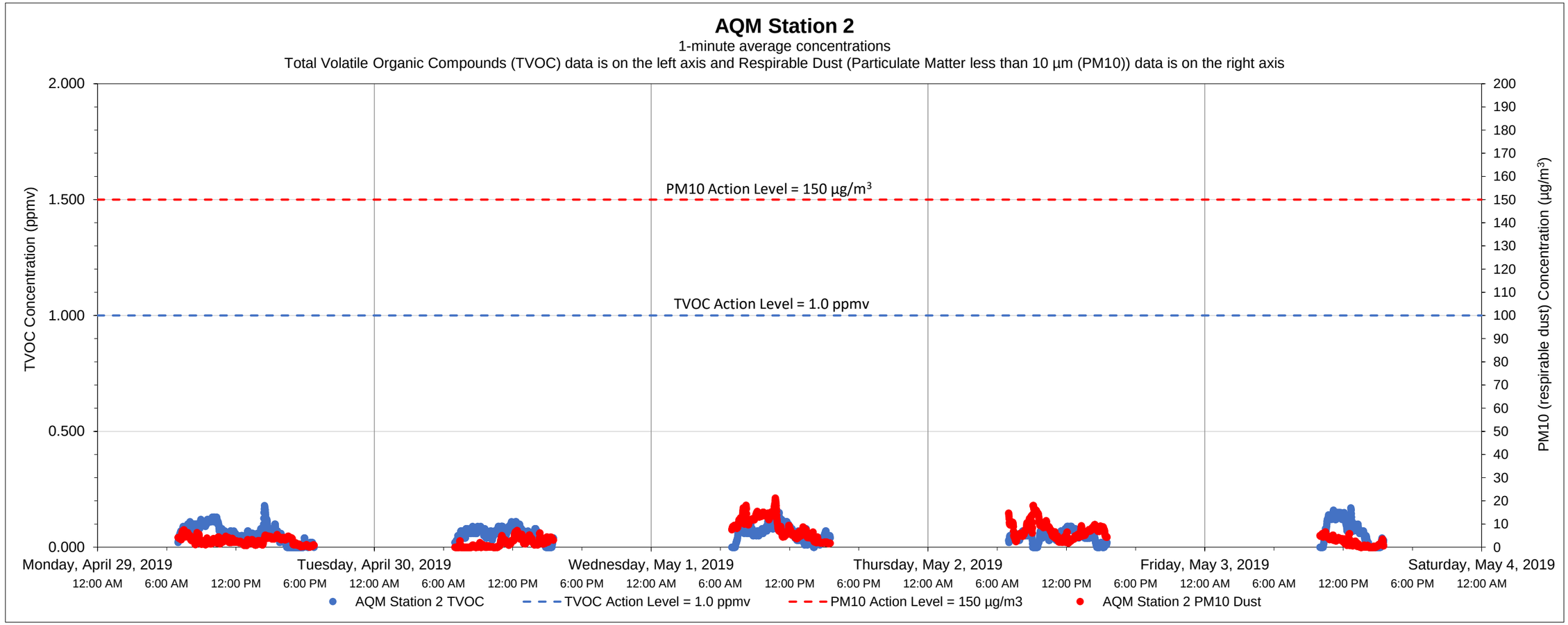

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.54	µg/m^3
PM10 maximum concentration	21.27	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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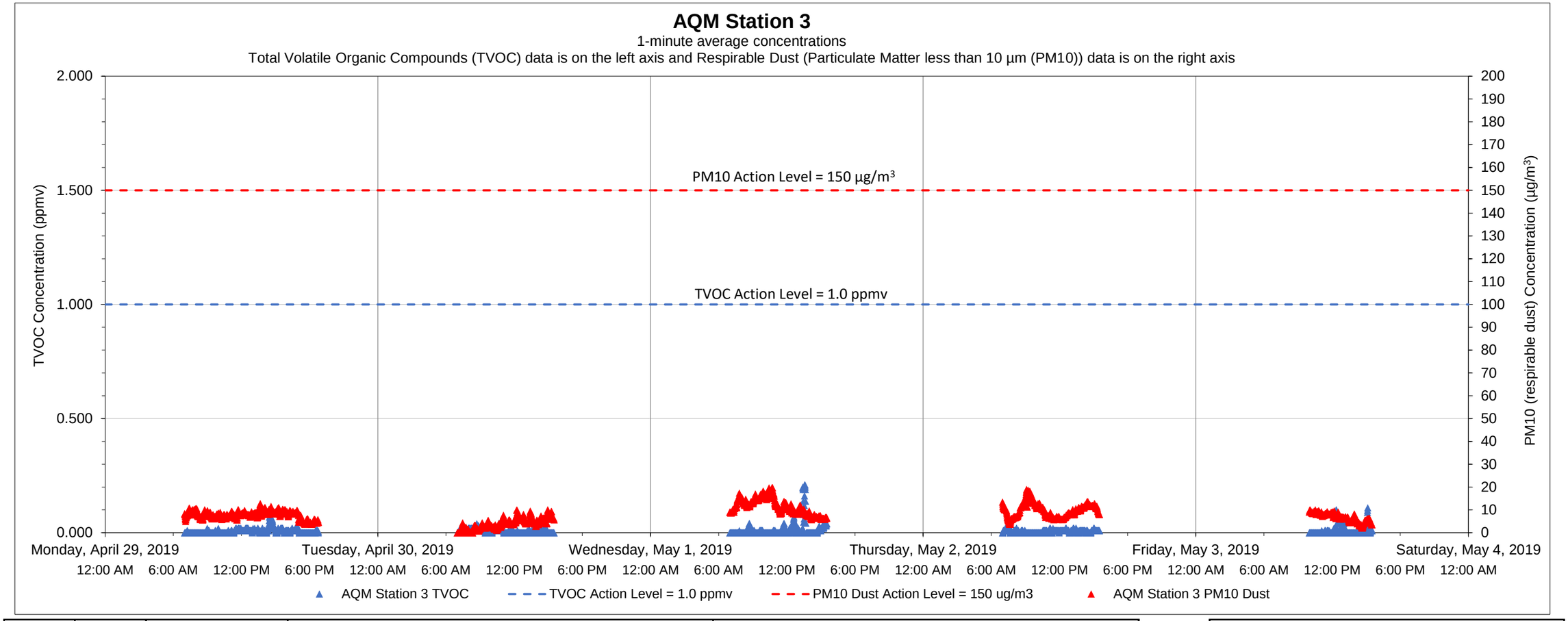

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.21	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.04	µg/m^3
PM10 maximum concentration	19.81	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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GZA Job No. 03.0033554.04
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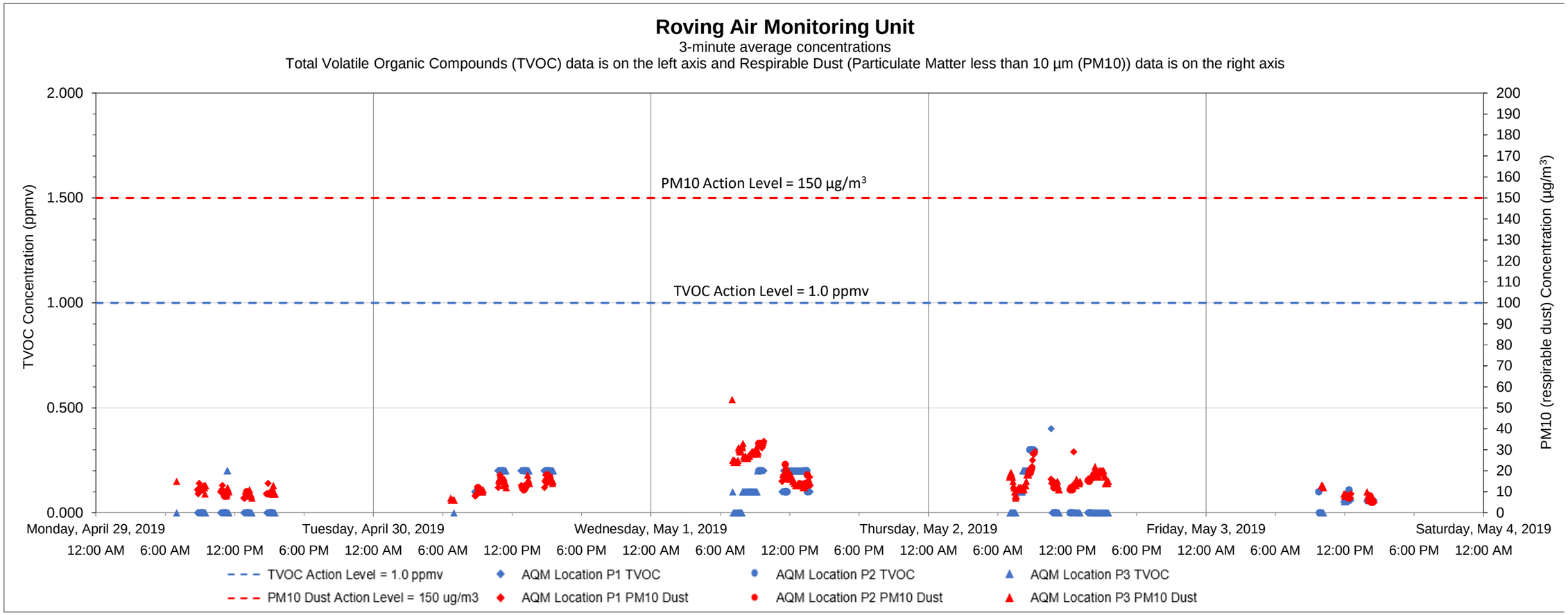

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.49	µg/m^3
PM10 maximum concentration	54	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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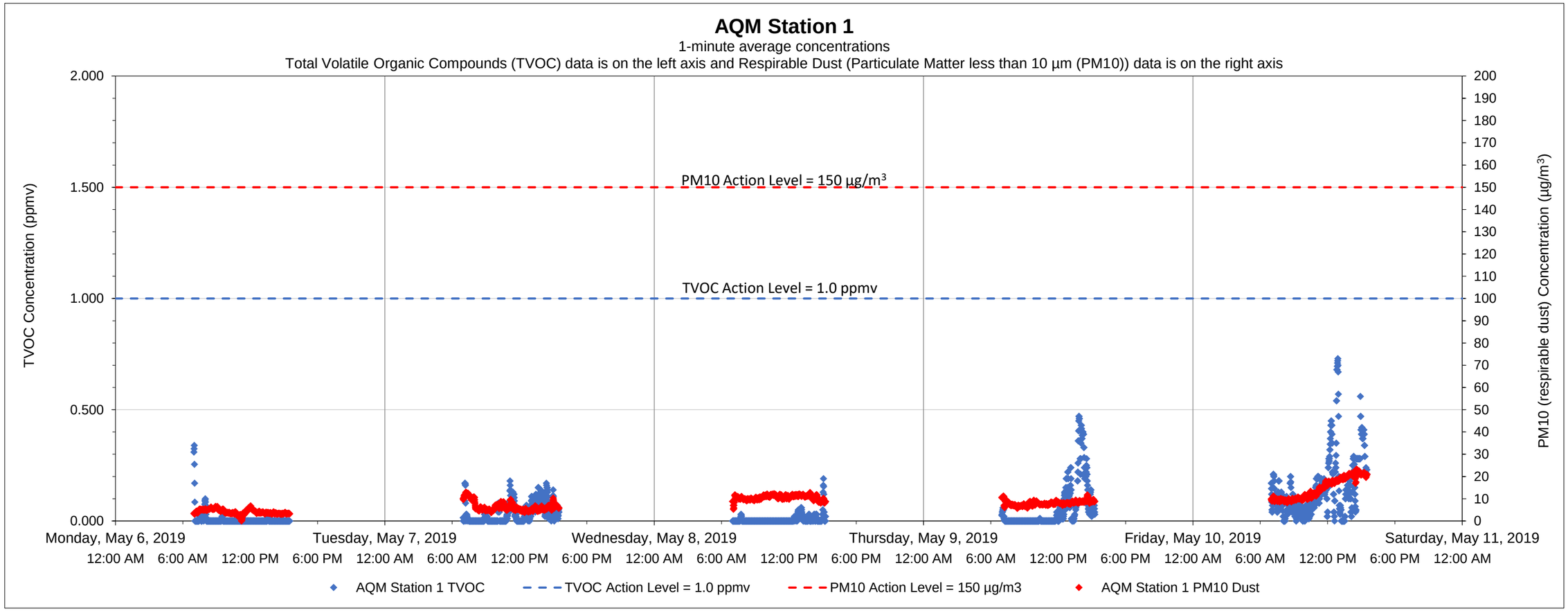

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.73	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.72	µg/m^3
PM10 maximum concentration	23.29	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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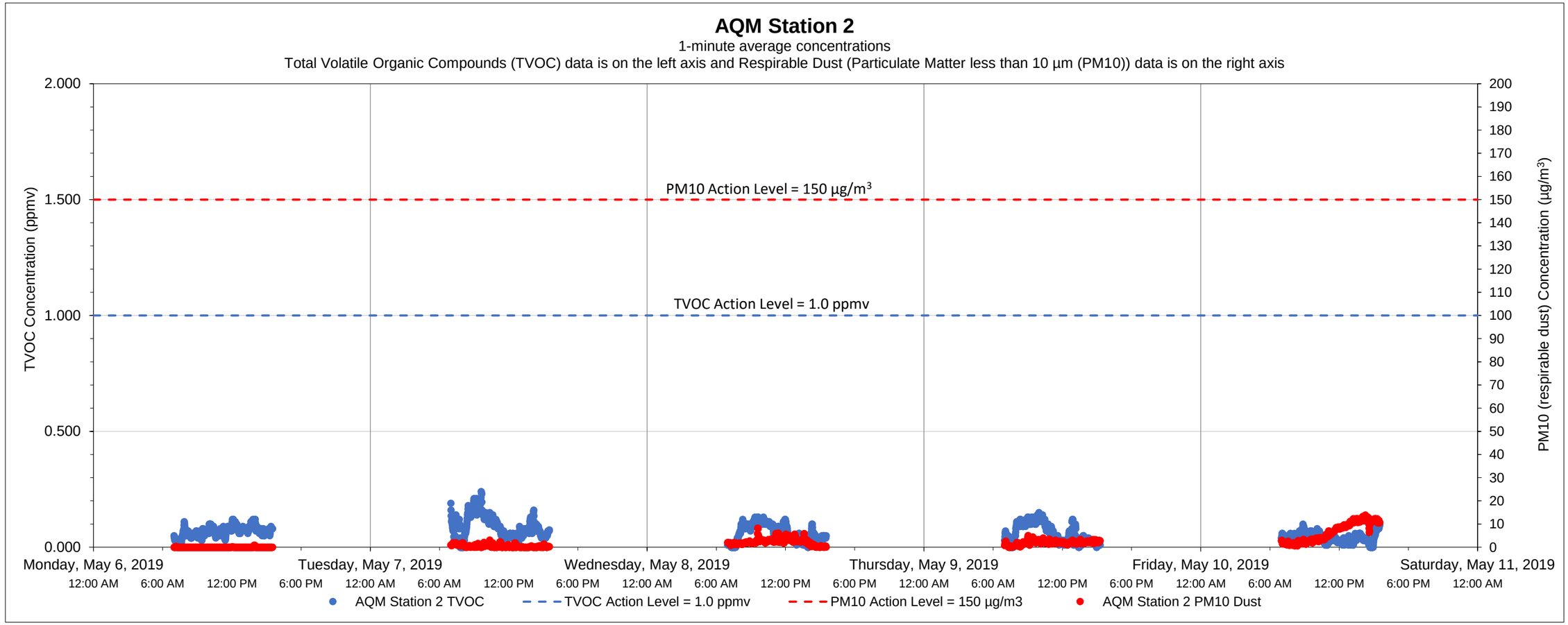

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.26	µg/m^3
PM10 maximum concentration	13.92	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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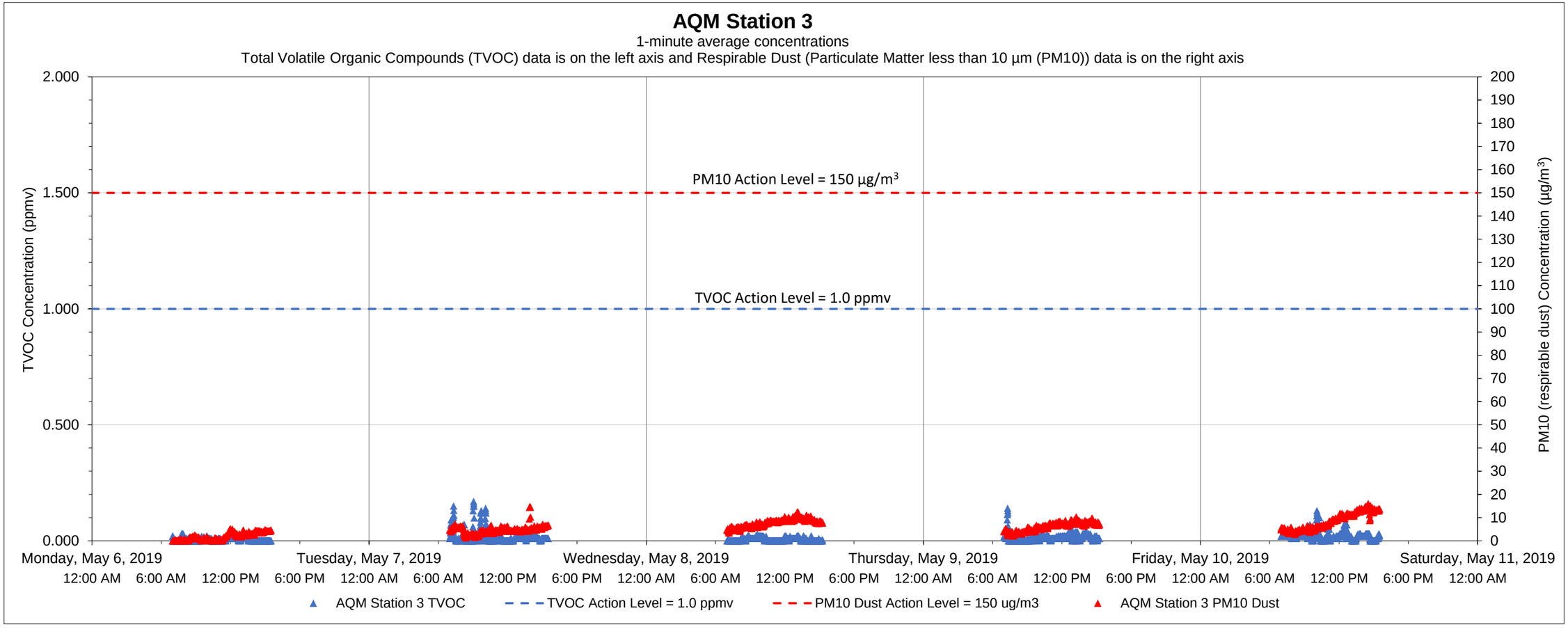

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.17	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.82	µg/m^3
PM10 maximum concentration	16.02	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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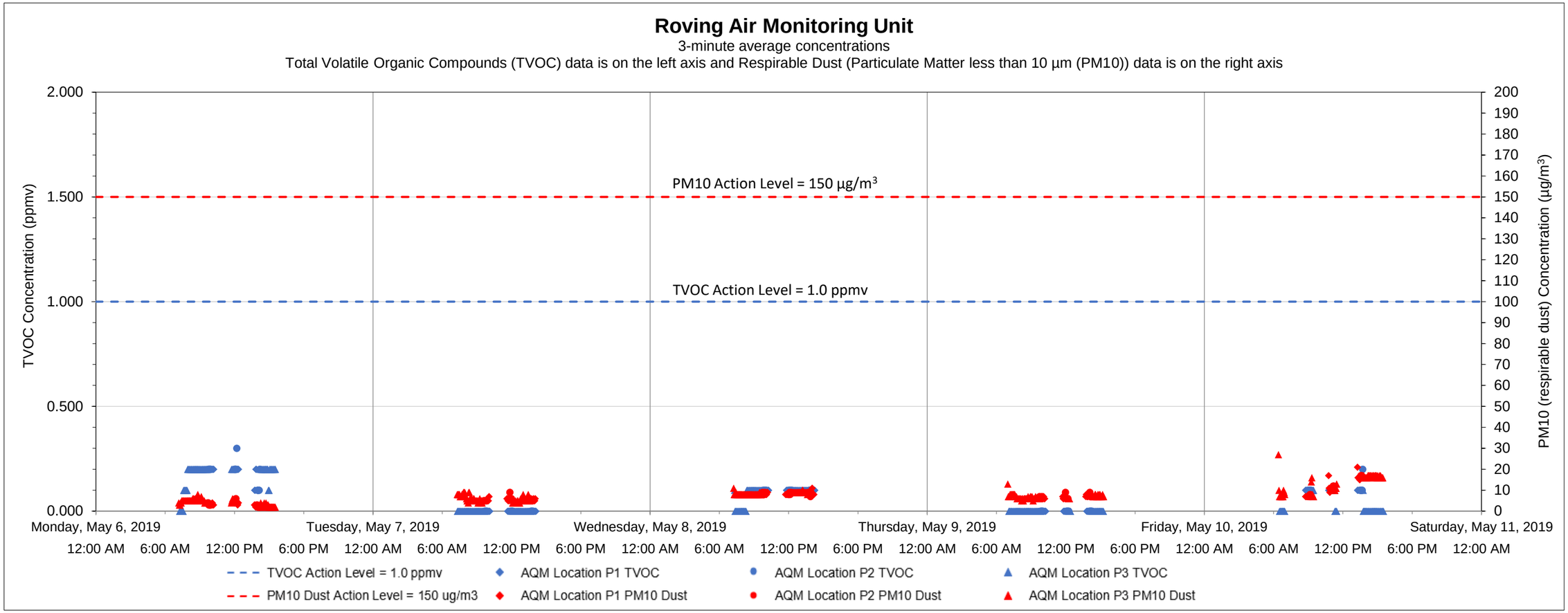

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.39	µg/m^3
PM10 maximum concentration	27	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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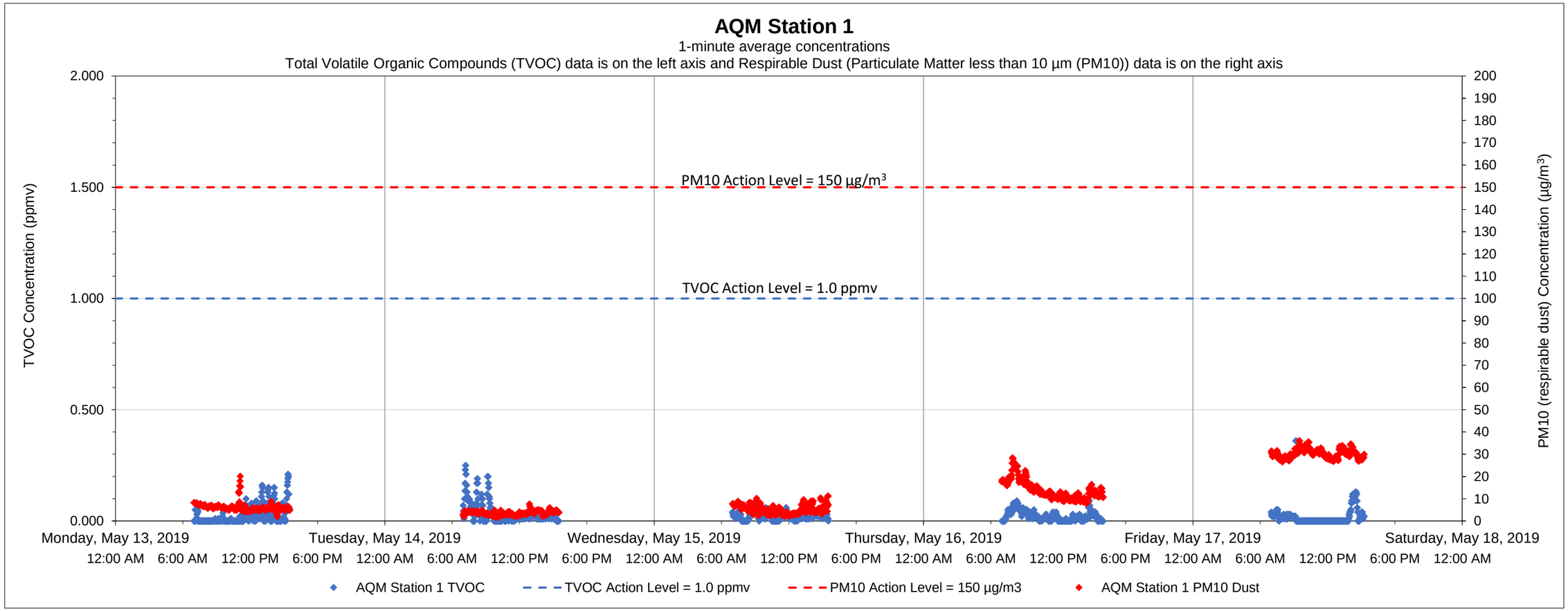

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.36	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.65	µg/m^3
PM10 maximum concentration	36.01	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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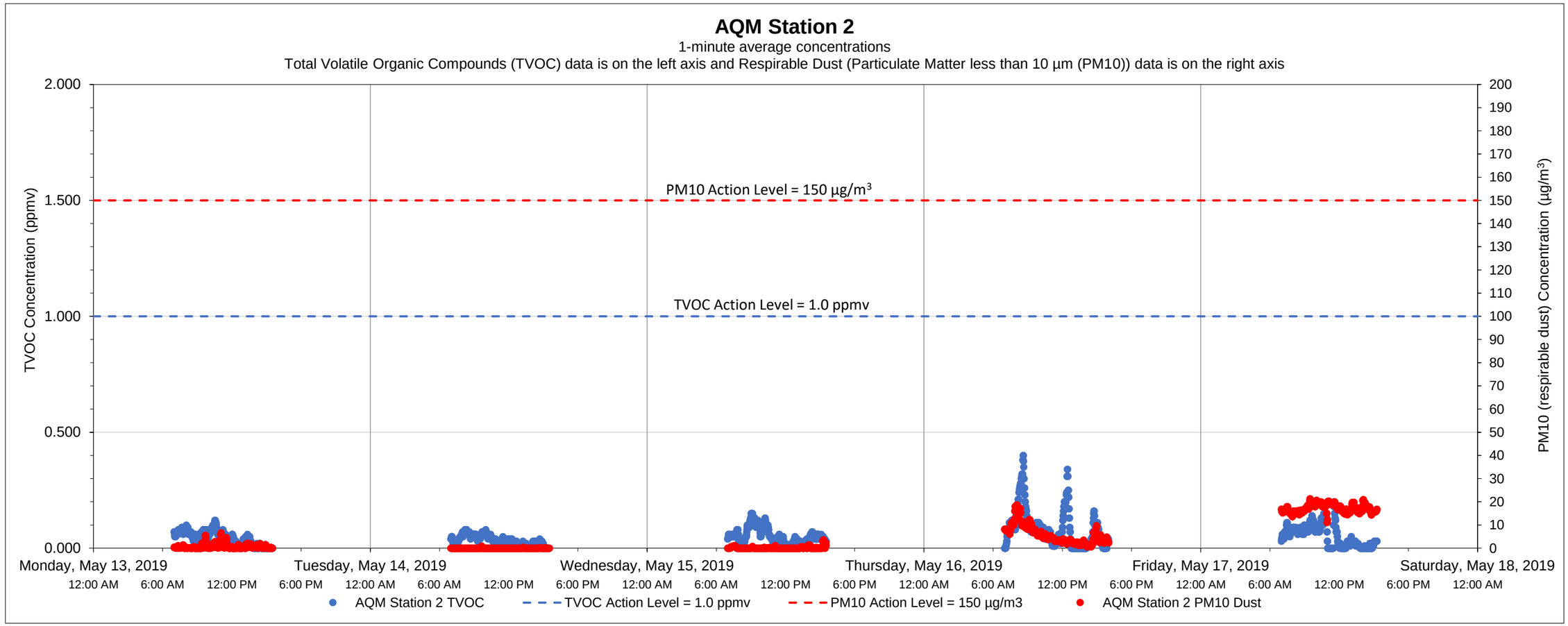

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.65	µg/m^3
PM10 maximum concentration	21.33	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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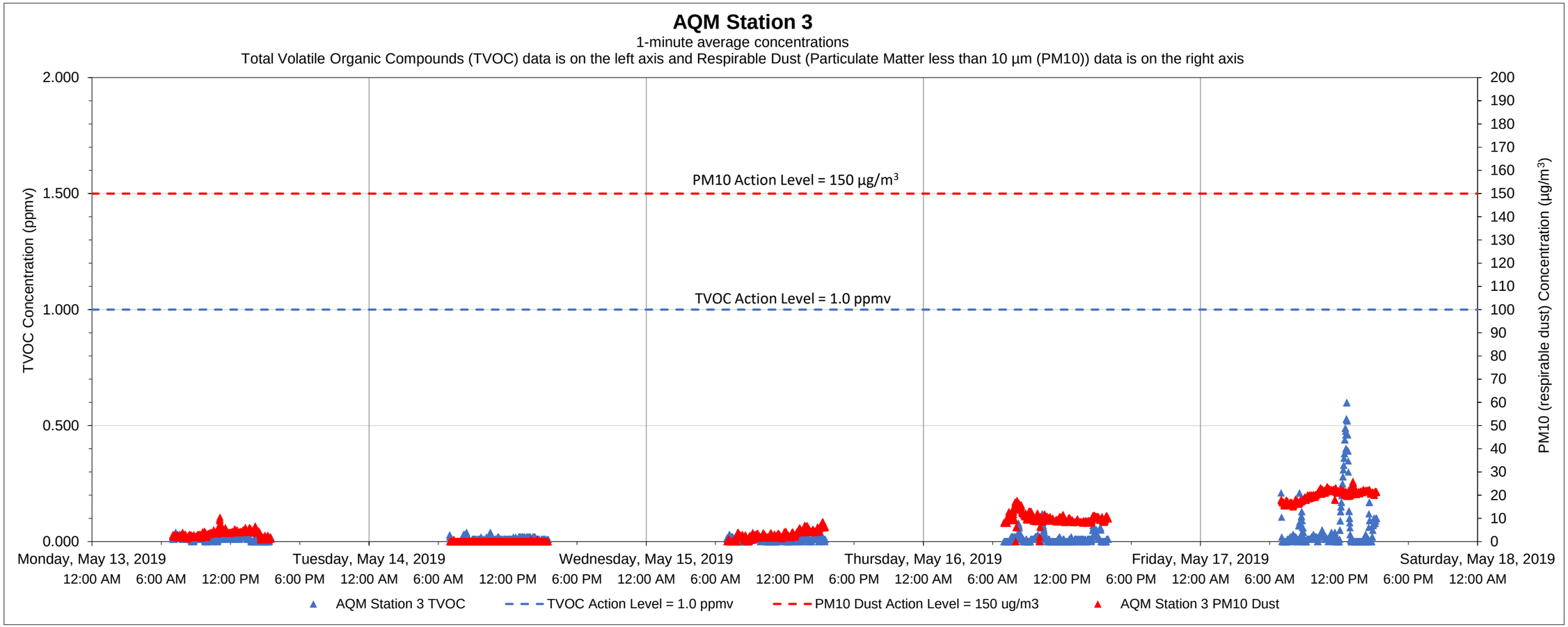

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.60	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.29	µg/m^3
PM10 maximum concentration	25.91	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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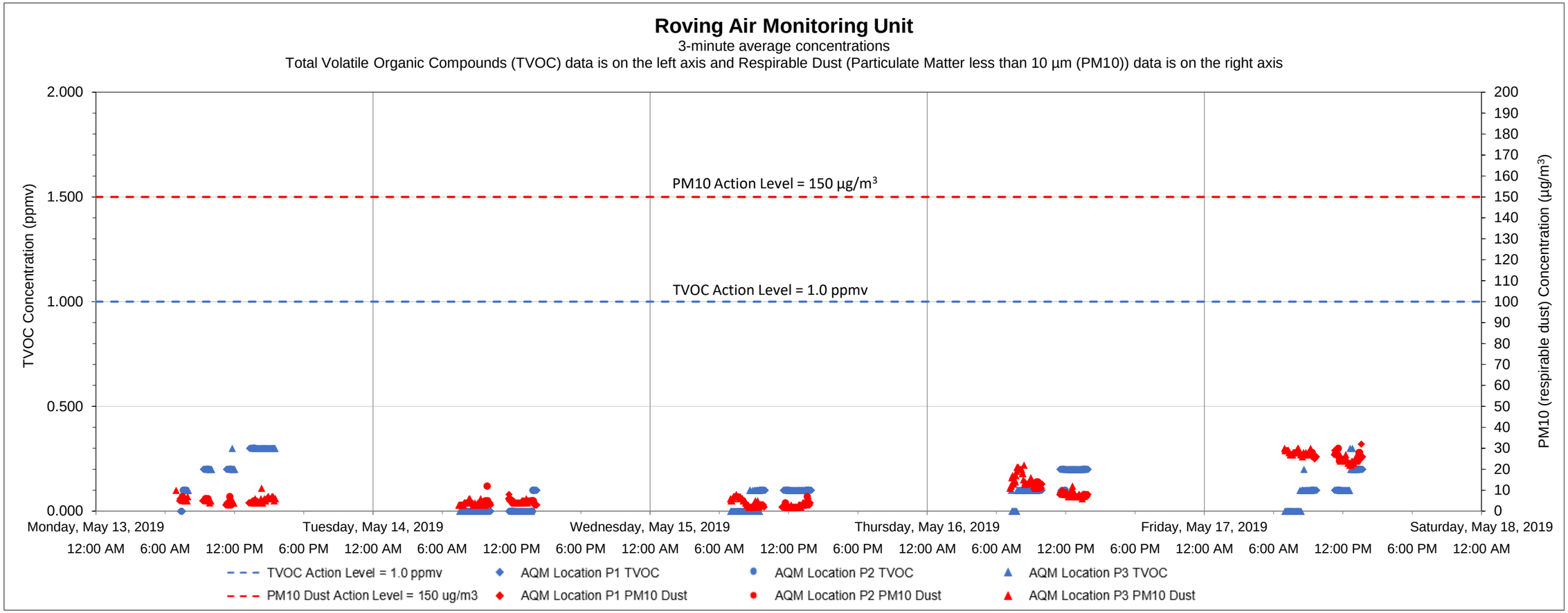

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.10	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.26	µg/m^3
PM10 maximum concentration	32	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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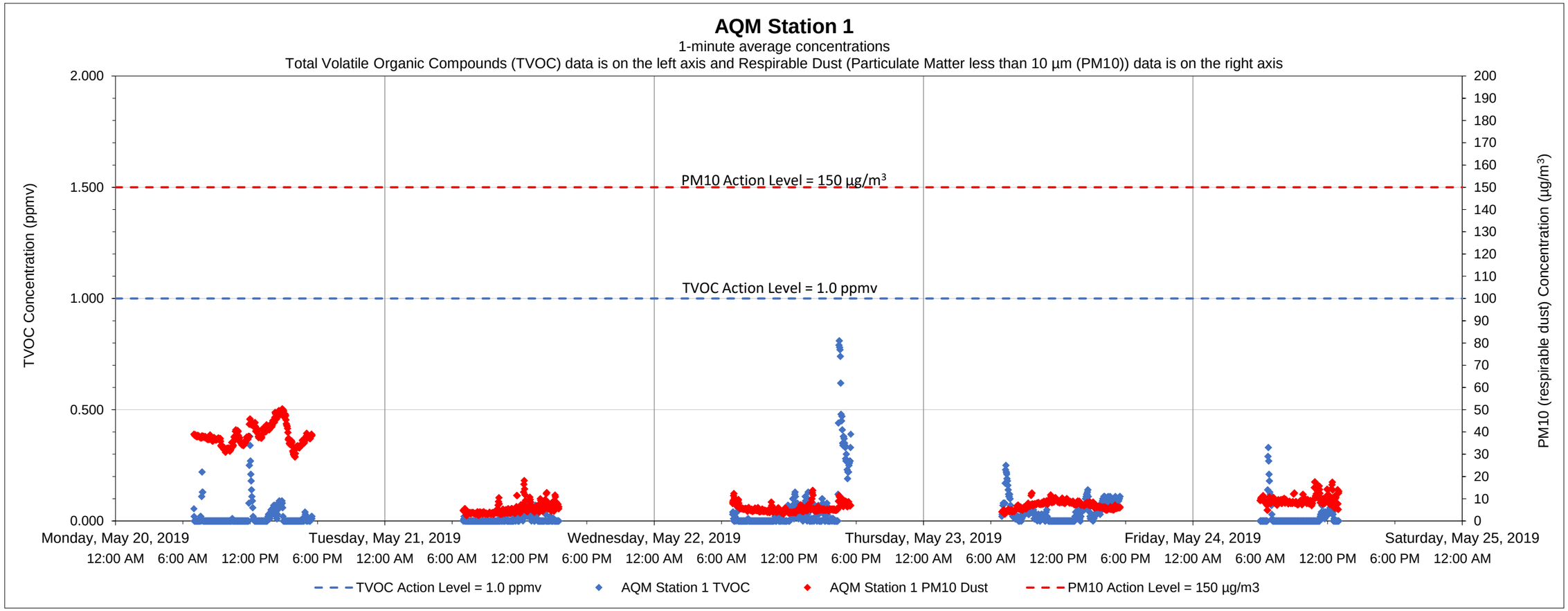
5/24/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.81	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.75	µg/m^3
PM10 maximum concentration	50.42	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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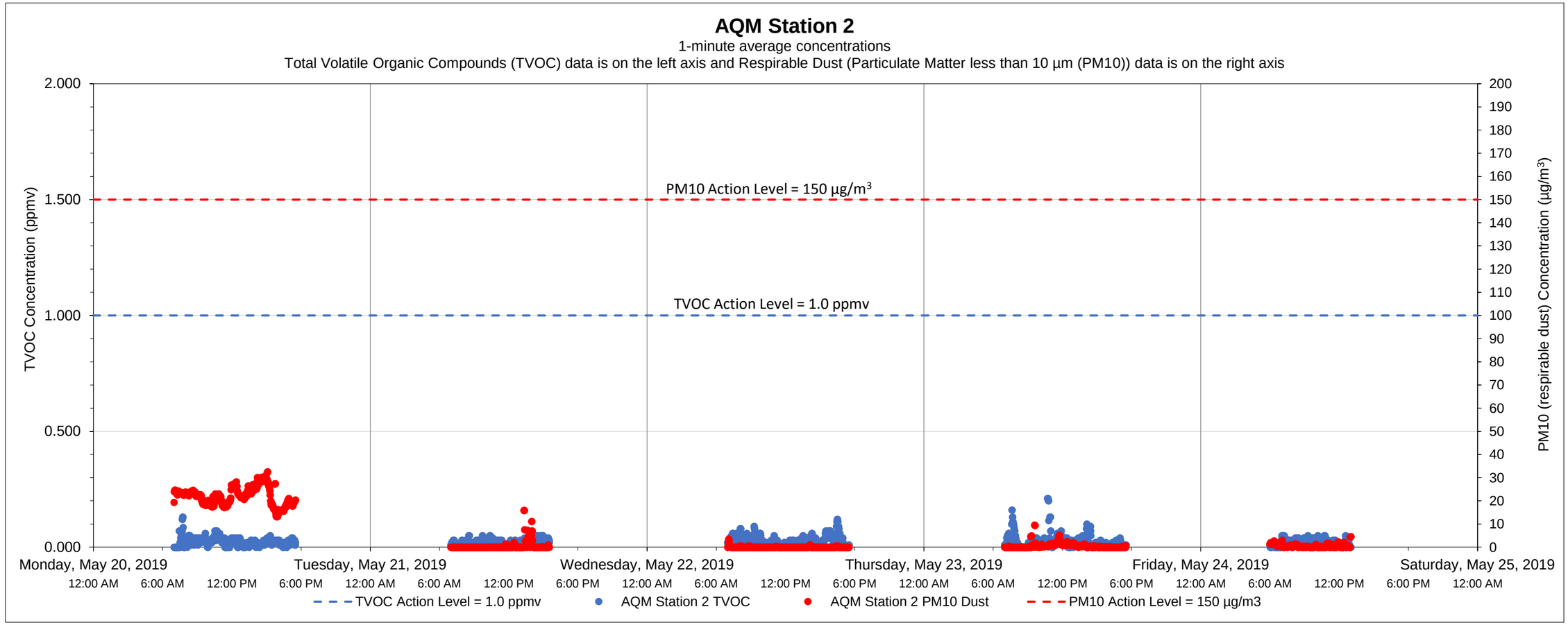


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.21	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.11	µg/m^3
PM10 maximum concentration	32.56	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

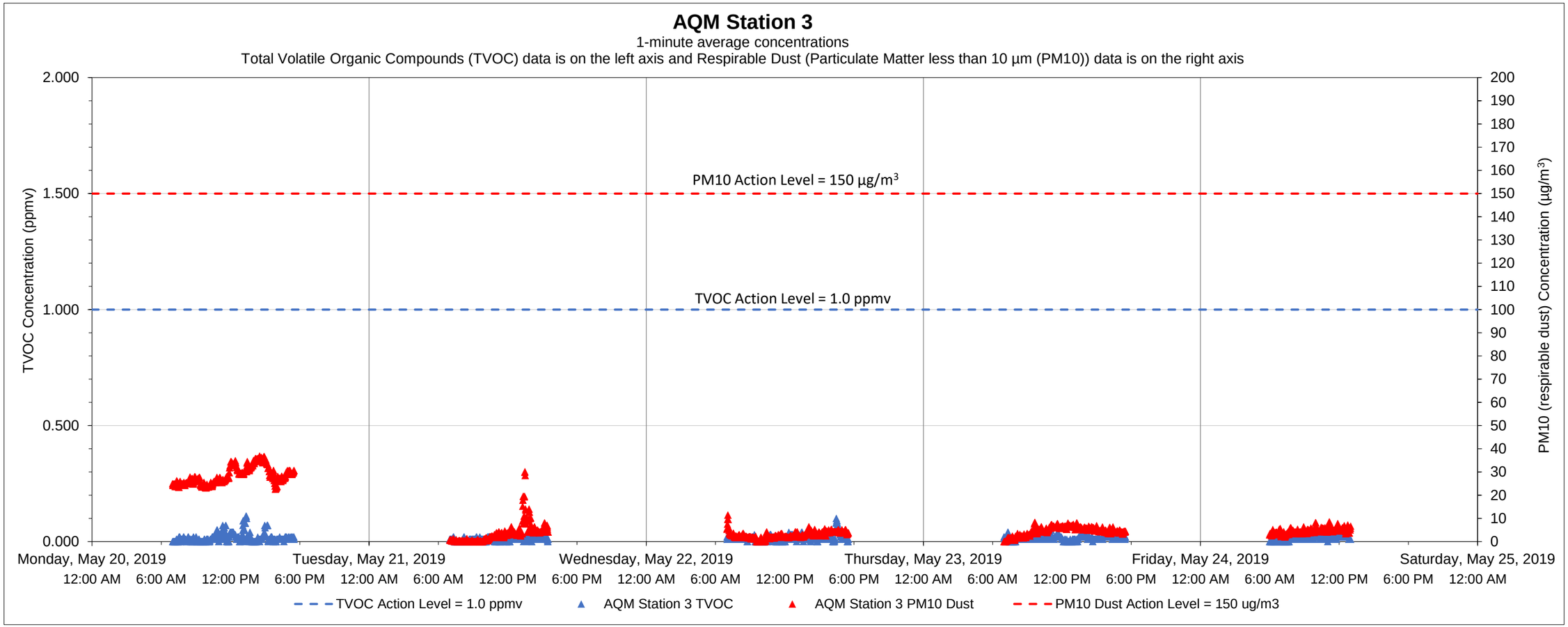
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
5/24/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.11	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.30	µg/m^3
PM10 maximum concentration	36.87	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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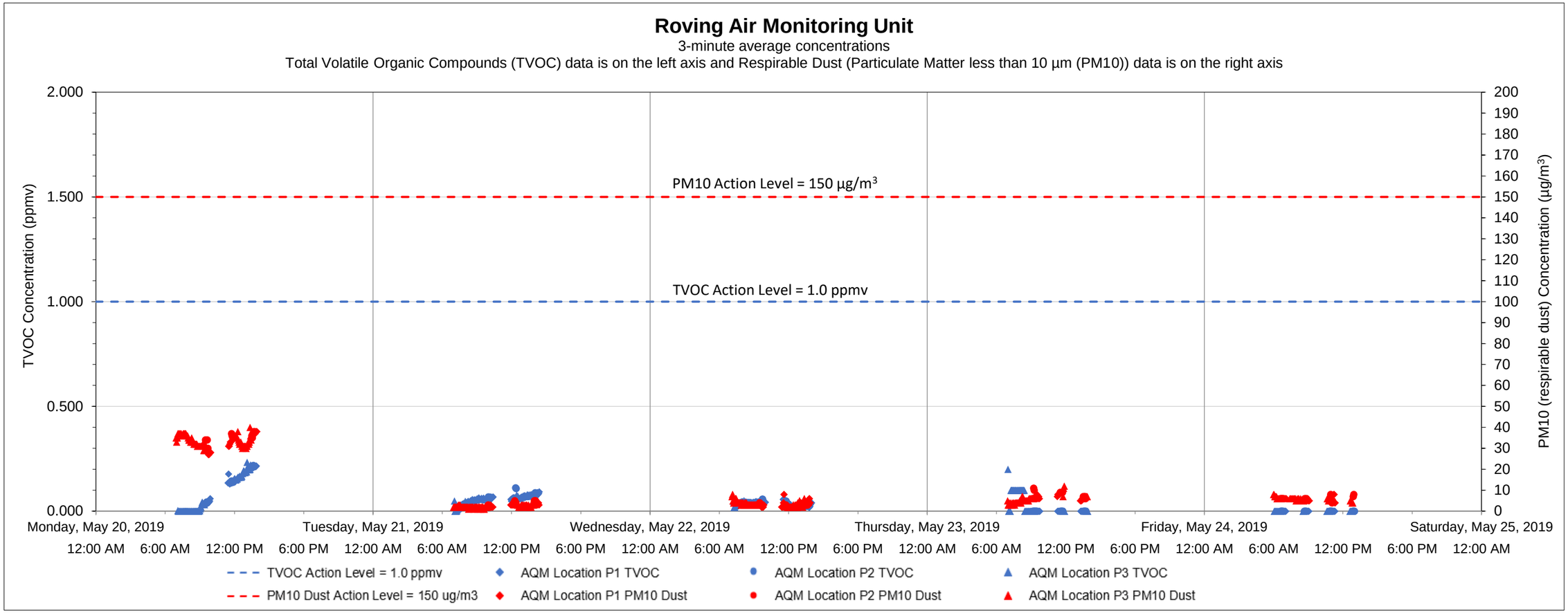

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.23	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.40	µg/m^3
PM10 maximum concentration	40	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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Liquefaction Facility Project -
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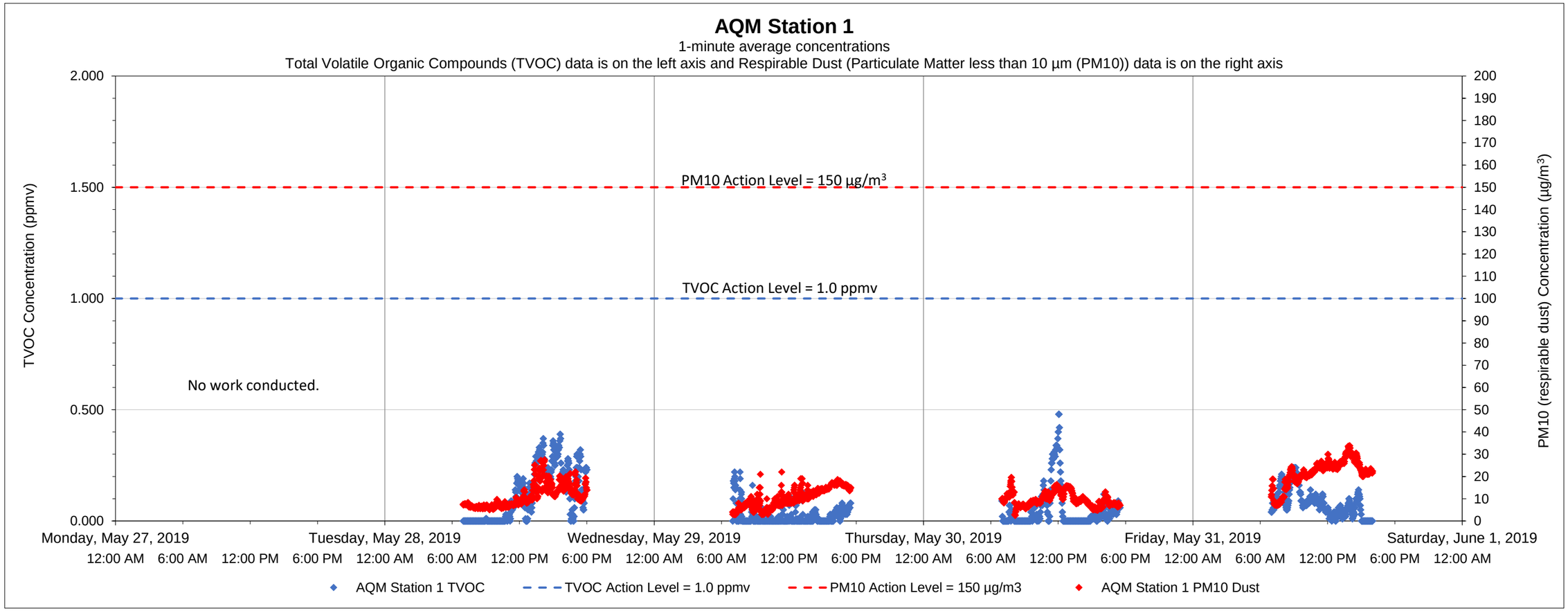
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
5/31/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.81	µg/m^3
PM10 maximum concentration	33.81	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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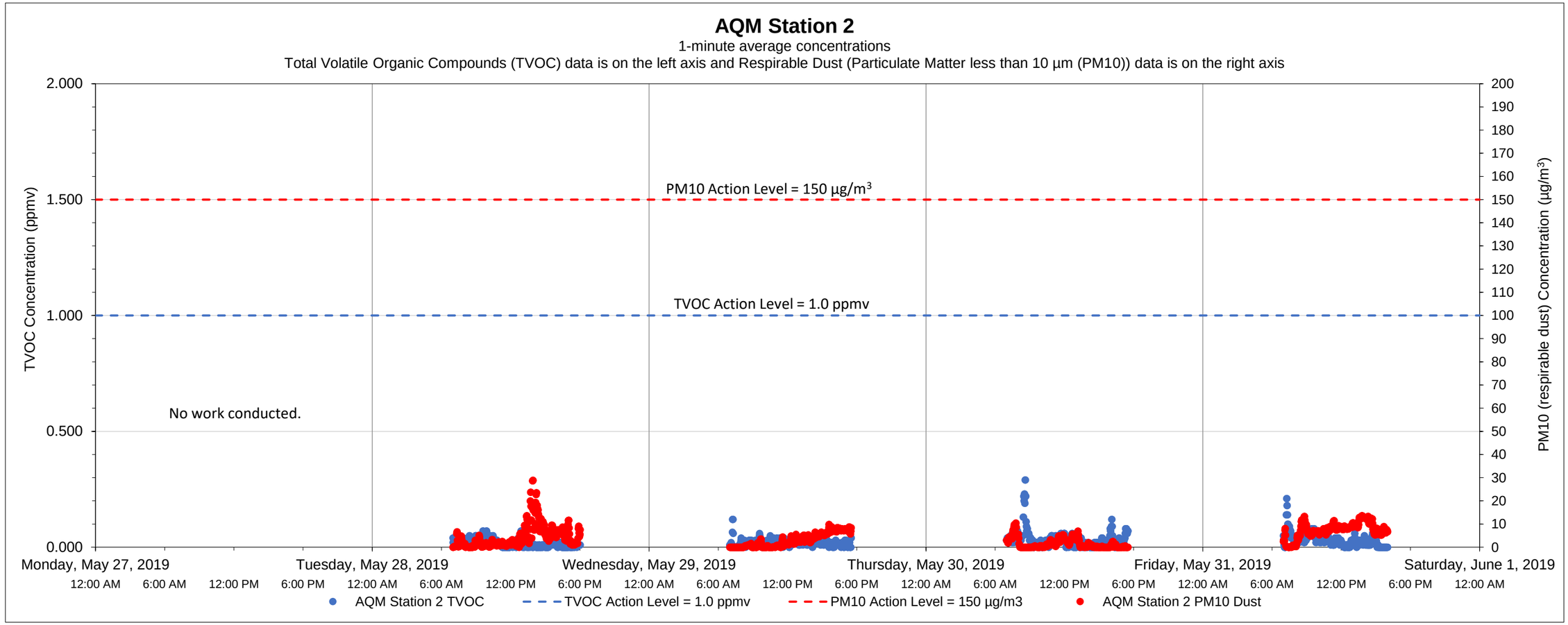

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.29	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.85	µg/m^3
PM10 maximum concentration	28.87	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

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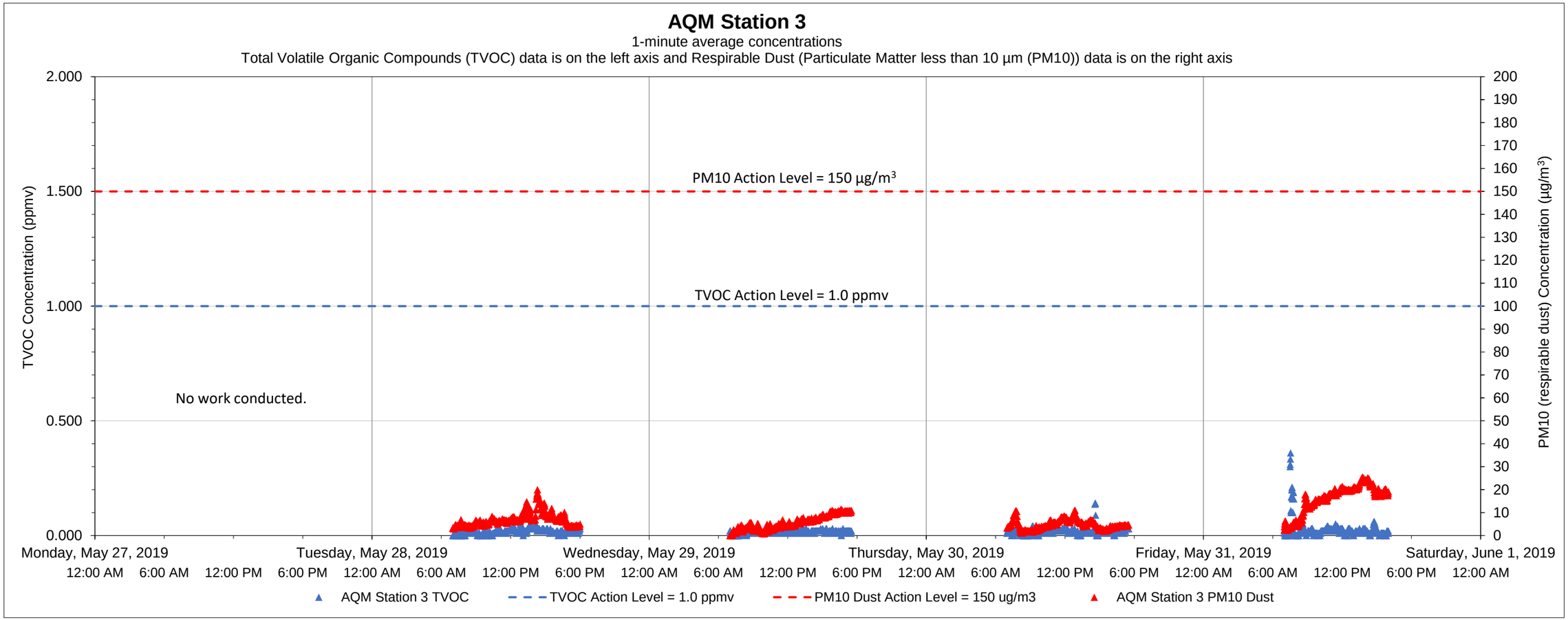

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.36	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.01	µg/m^3
PM10 maximum concentration	25.48	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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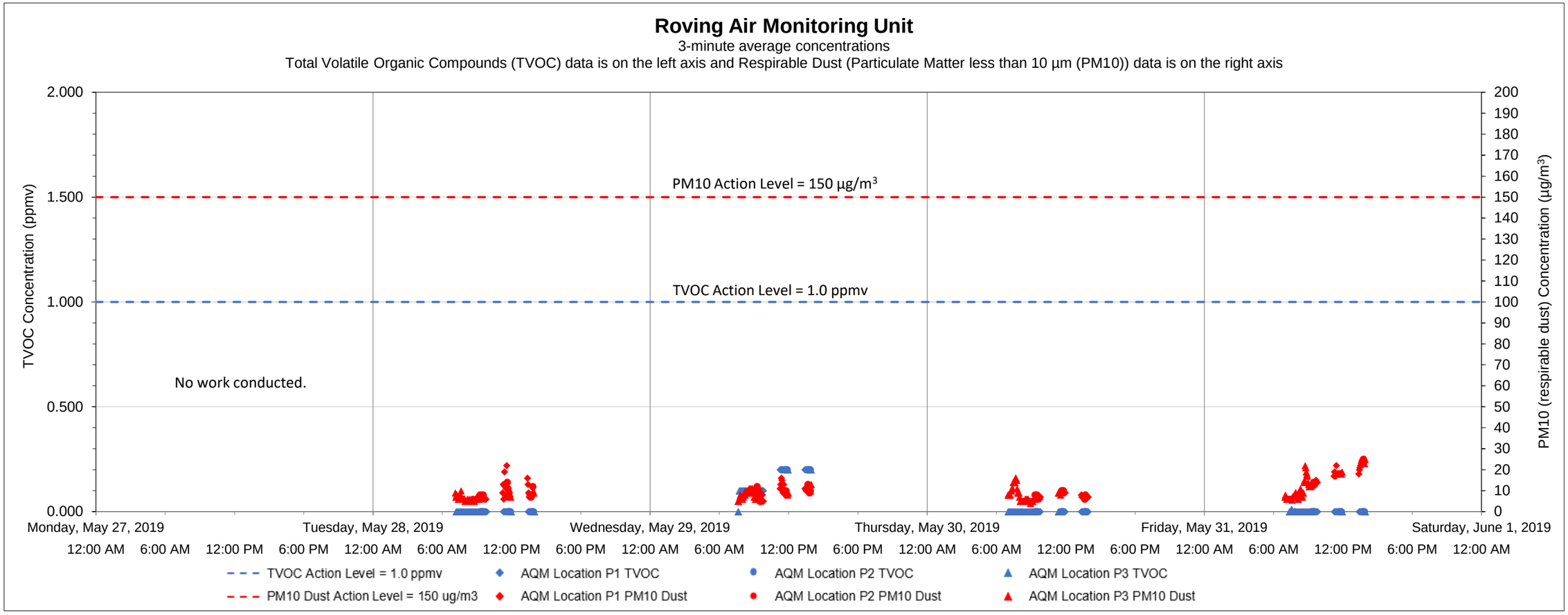

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.56	µg/m^3
PM10 maximum concentration	25	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

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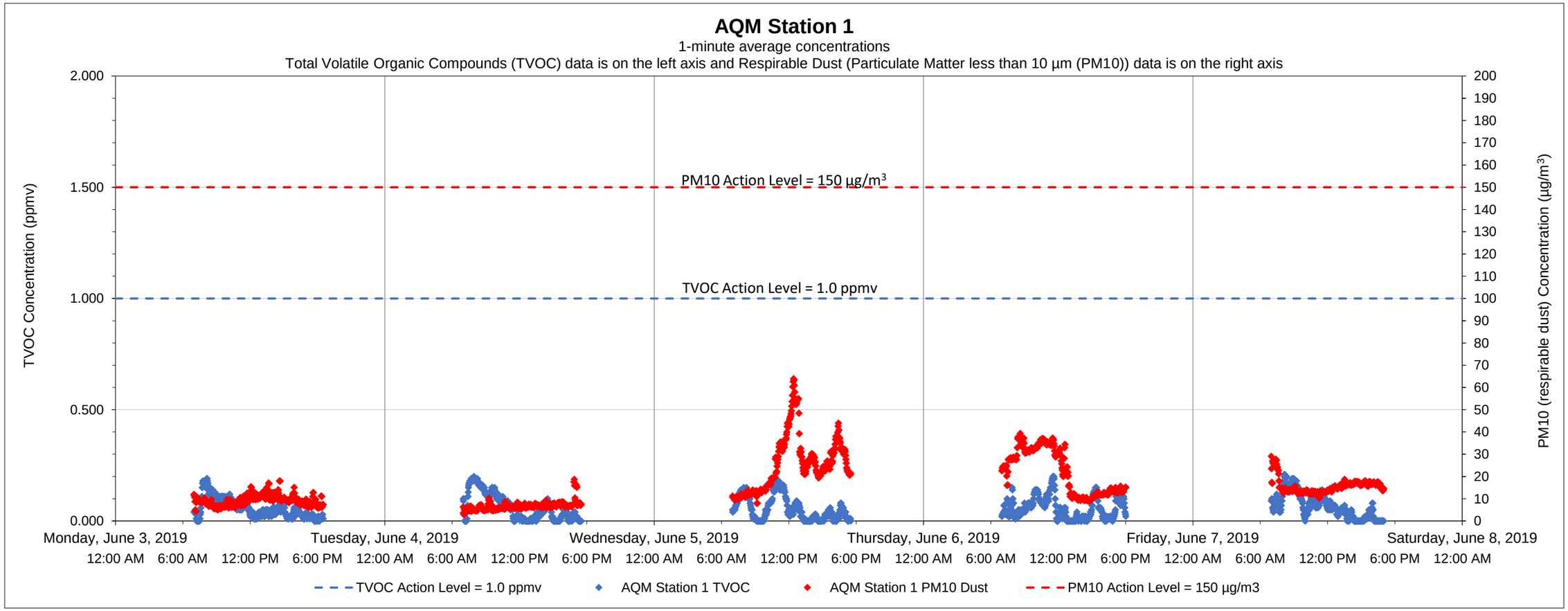
GZA Job No. 03.0033554.04
6/7/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.21	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.62	µg/m^3
PM10 maximum concentration	63.94	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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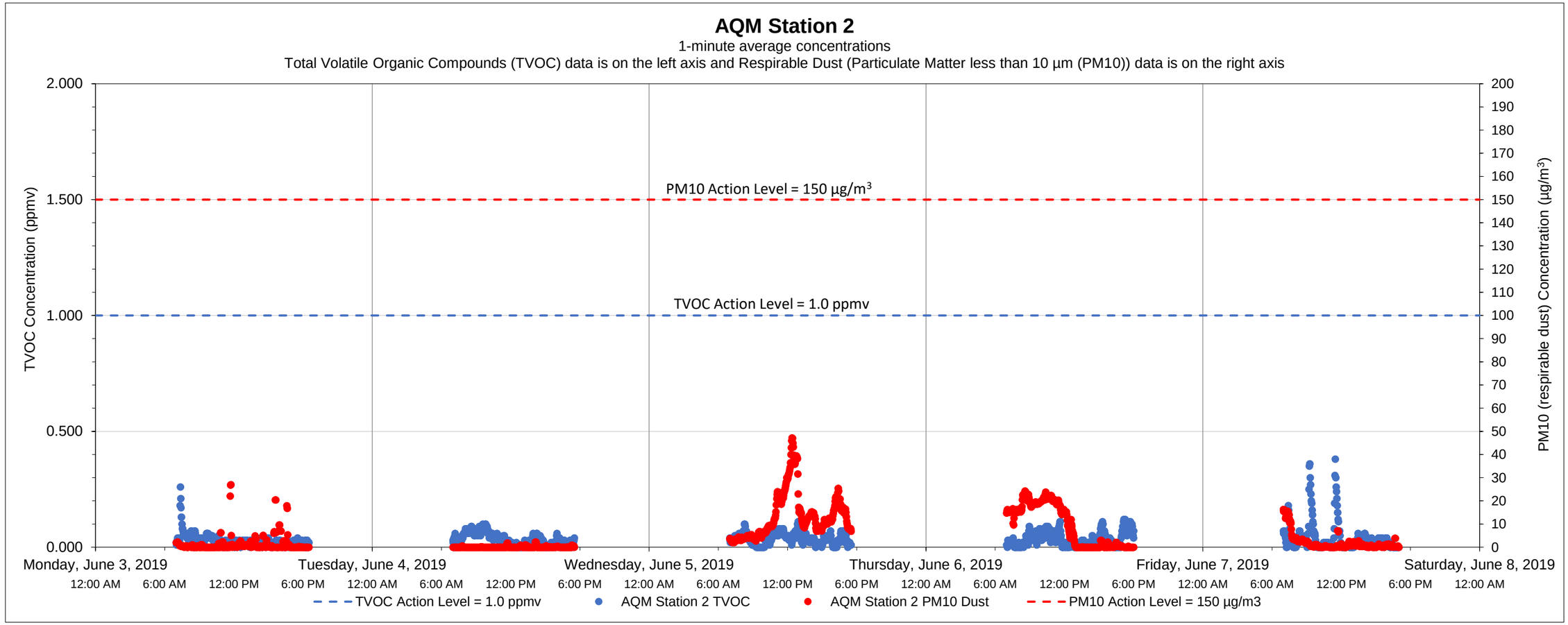

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.38	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.12	µg/m^3
PM10 maximum concentration	47.18	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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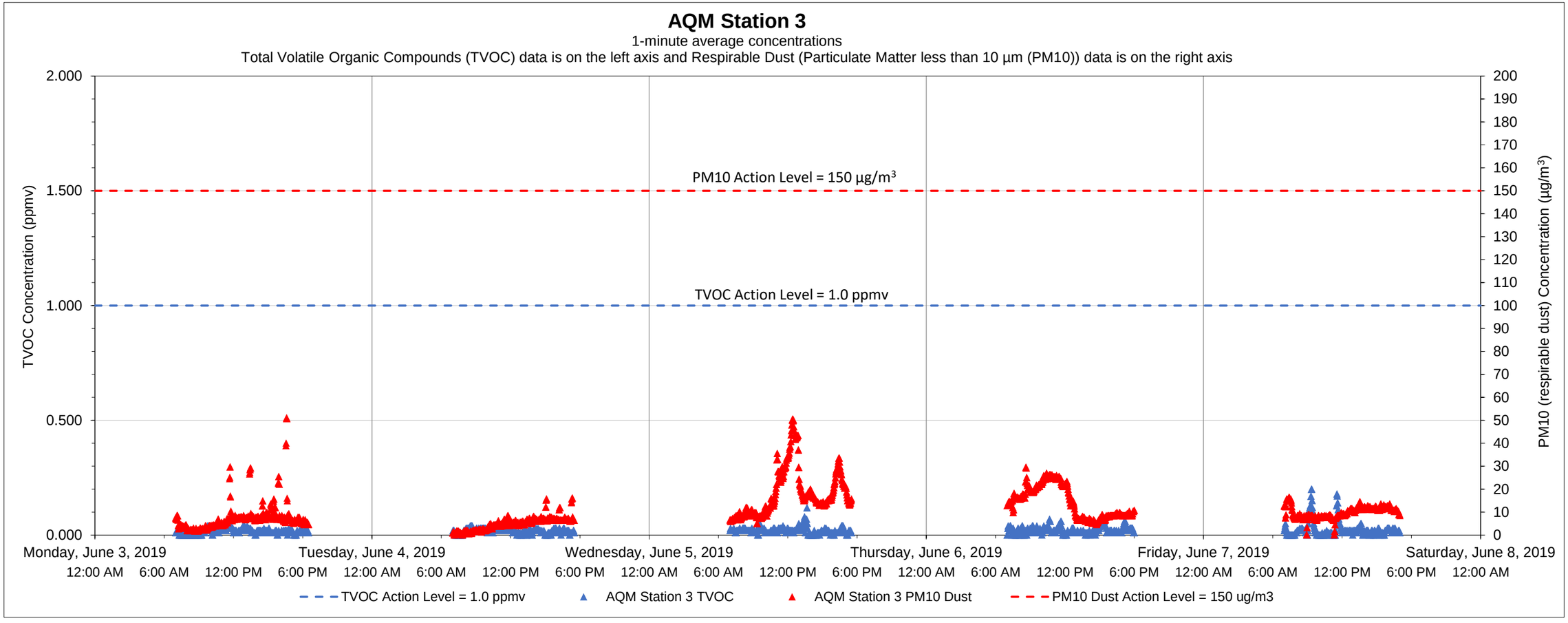

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.83	µg/m^3
PM10 maximum concentration	51.12	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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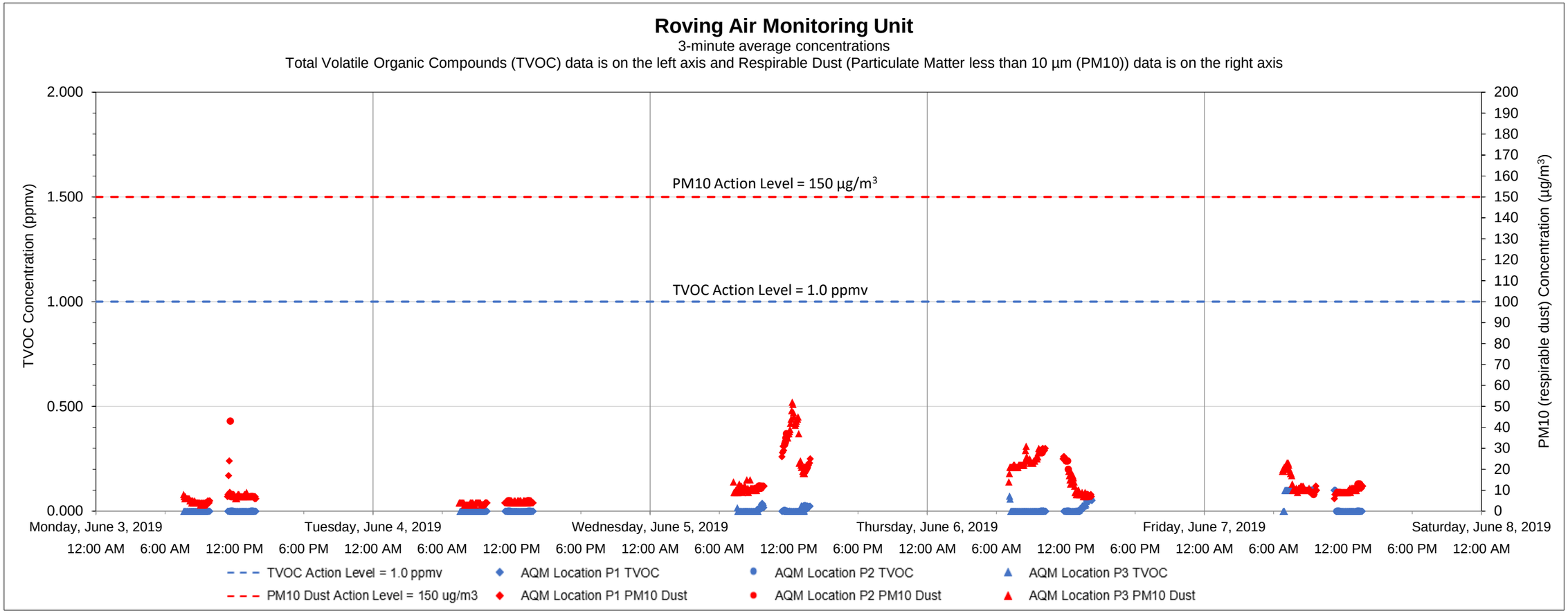

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.84	µg/m^3
PM10 maximum concentration	52	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

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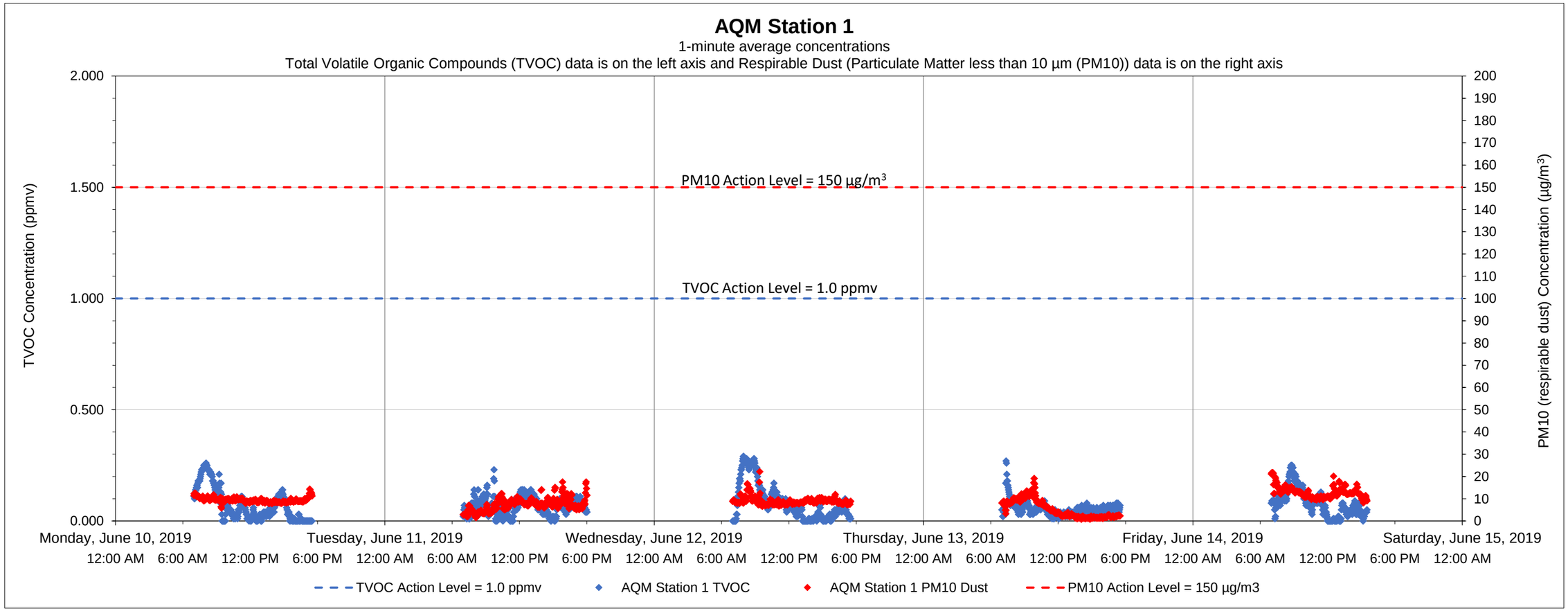

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.29	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.53	µg/m^3
PM10 maximum concentration	22.19	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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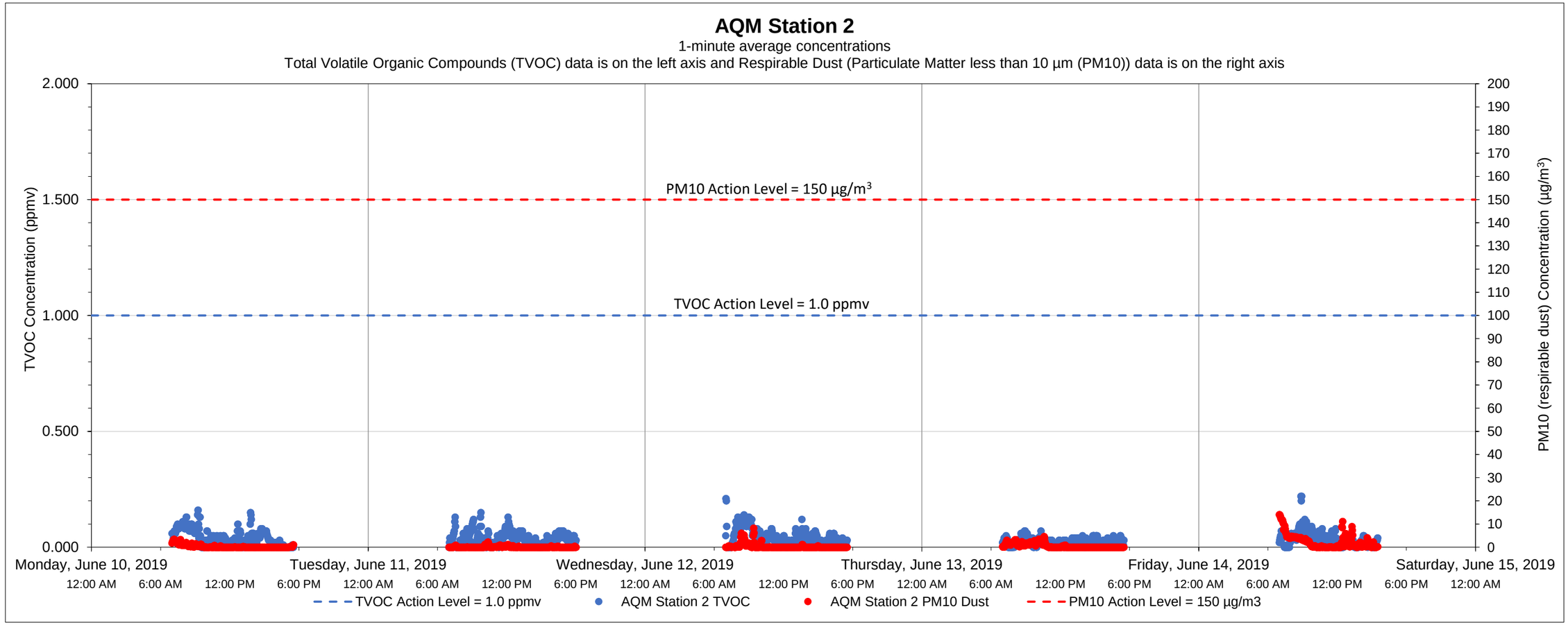

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.22	ppm
TVOCs action level	1	ppm
PM10 average concentration	0.68	µg/m^3
PM10 maximum concentration	14.04	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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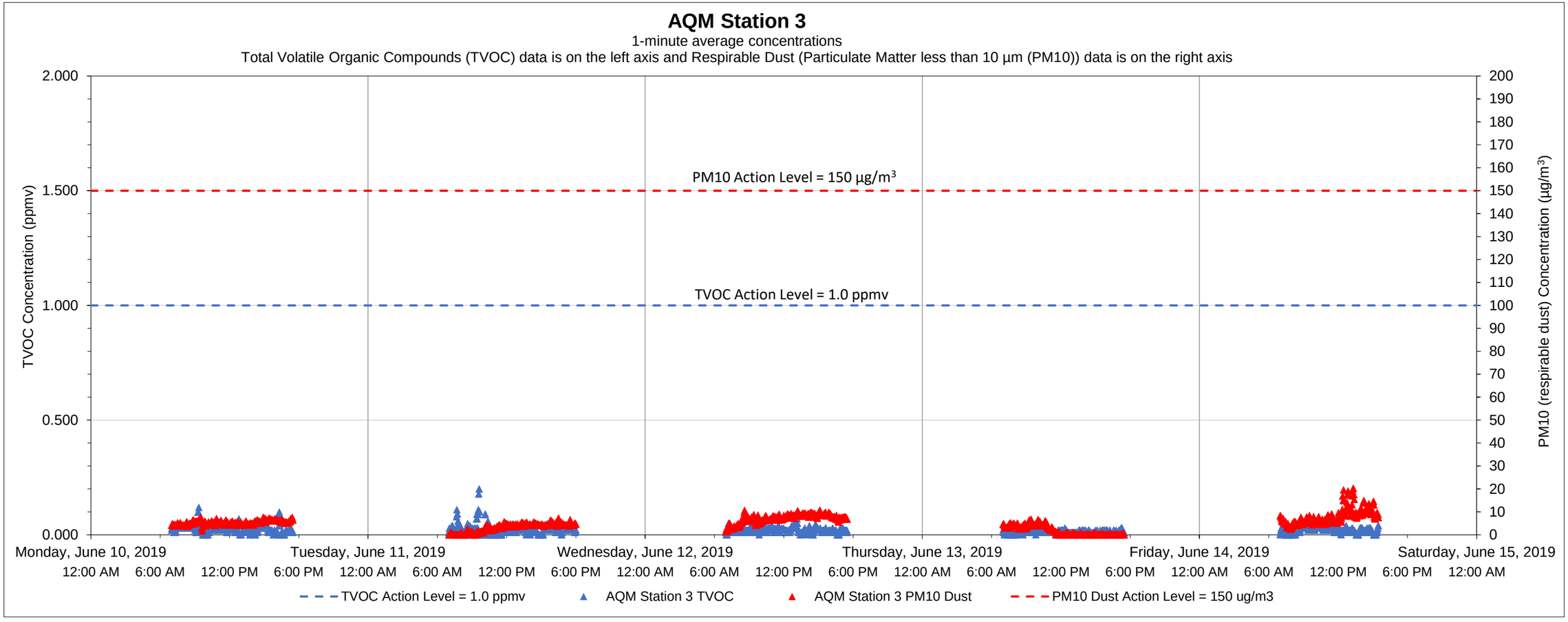

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.97	µg/m^3
PM10 maximum concentration	20.23	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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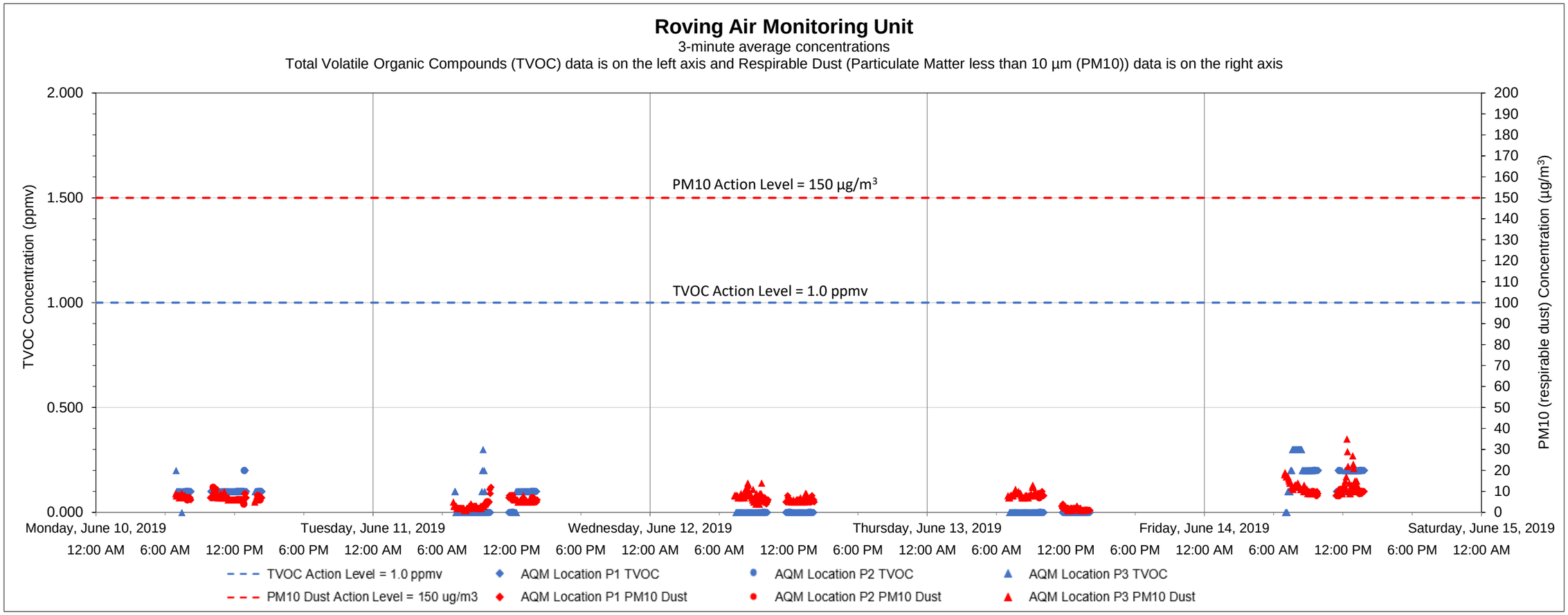
GZA Job No. 03.0033554.04
6/14/2019

Roving Air Monitoring Unit

3-minute average concentrations
Total Volatile Organic Compounds (TVOC) data is on the left axis and Respirable Dust (Particulate Matter less than 10 µm (PM10)) data is on the right axis



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.14	µg/m^3
PM10 maximum concentration	35	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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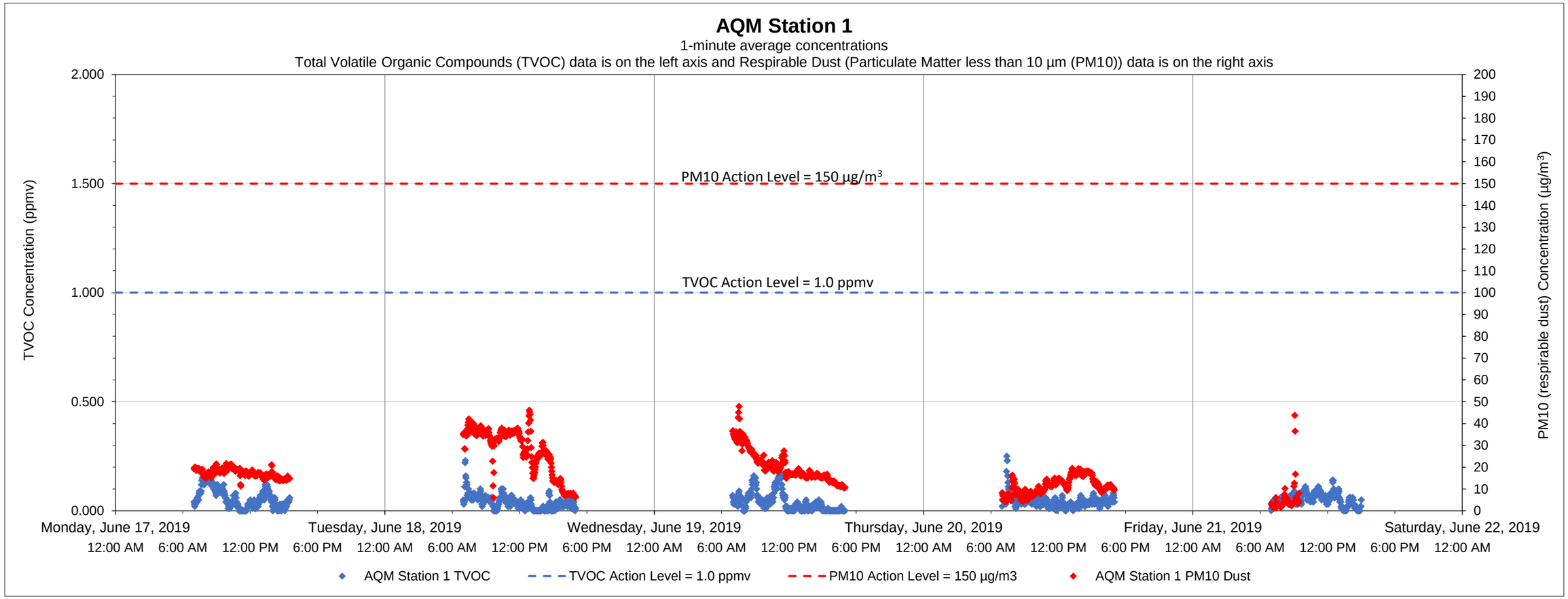

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.93	µg/m^3
PM10 maximum concentration	47.85	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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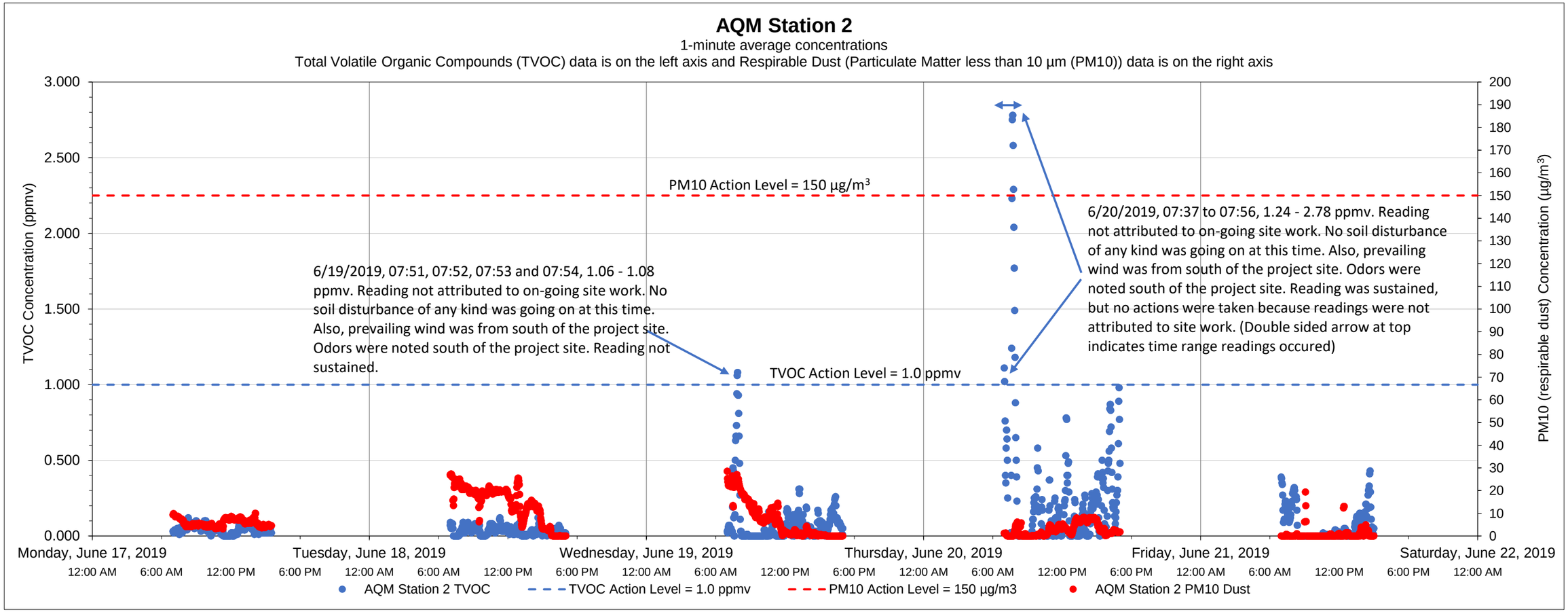

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
6/20/2019	07:37	TVOC	1.24 - 2.78 ppmv	No actions taken, readings were not attributed to ongoing site work.

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	2.78	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.22	µg/m^3
PM10 maximum concentration	28.47	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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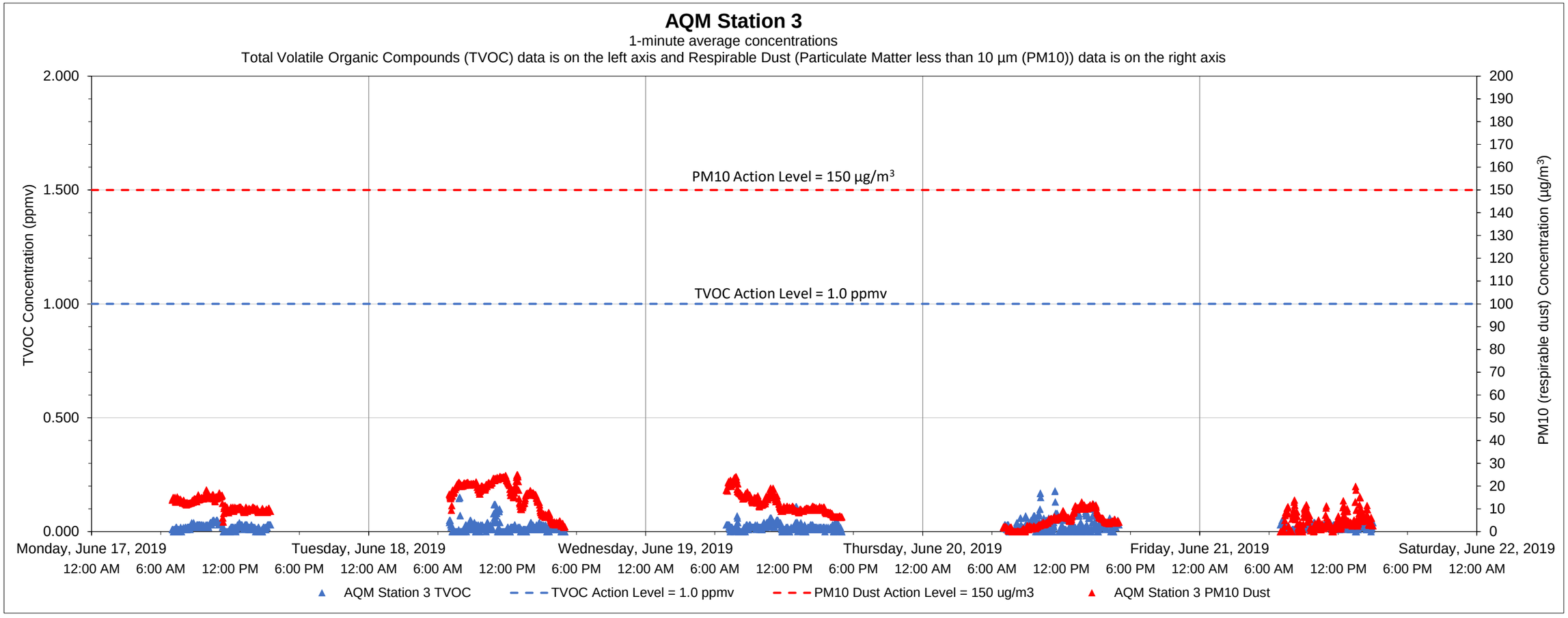
GZA Job No. 03.0033554.04
6/24/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.23	µg/m^3
PM10 maximum concentration	25.09	µg/m^3
PM10 action level	150	µg/m^3

Notes:

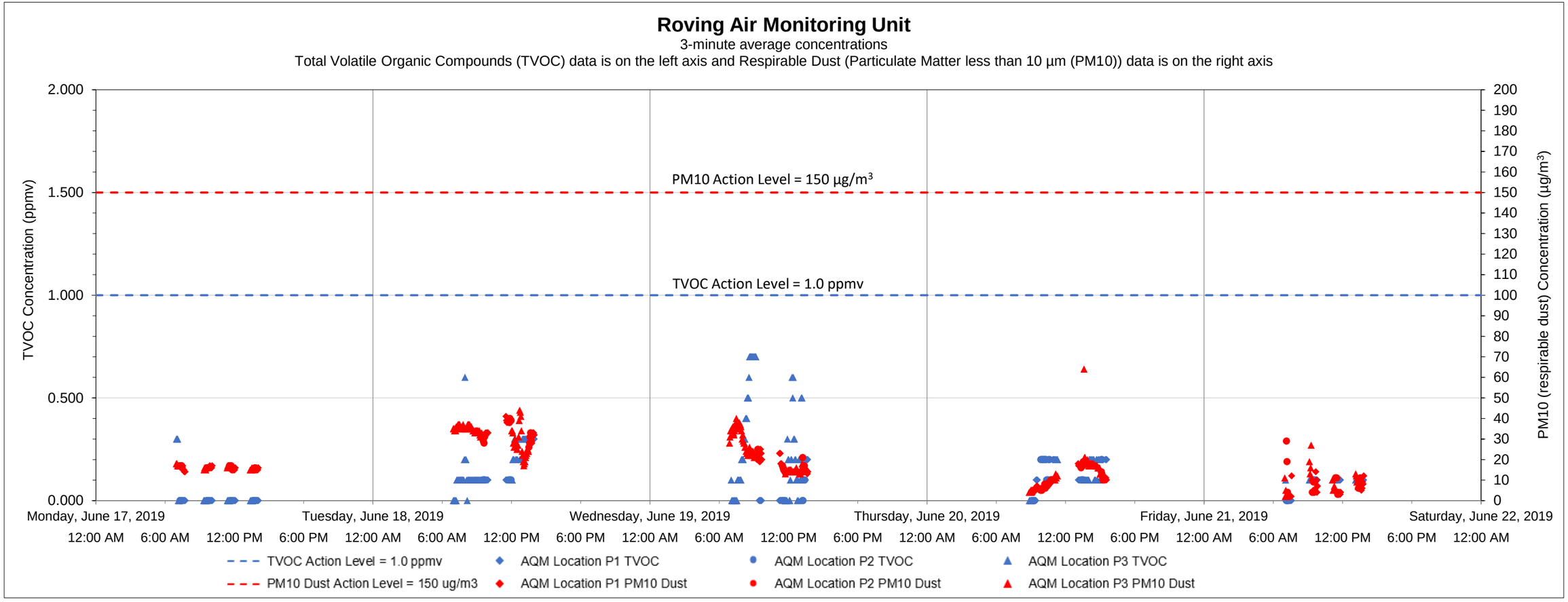
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
6/24/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.15	ppm
TVOCs maximum concentration	0.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.73	µg/m^3
PM10 maximum concentration	64	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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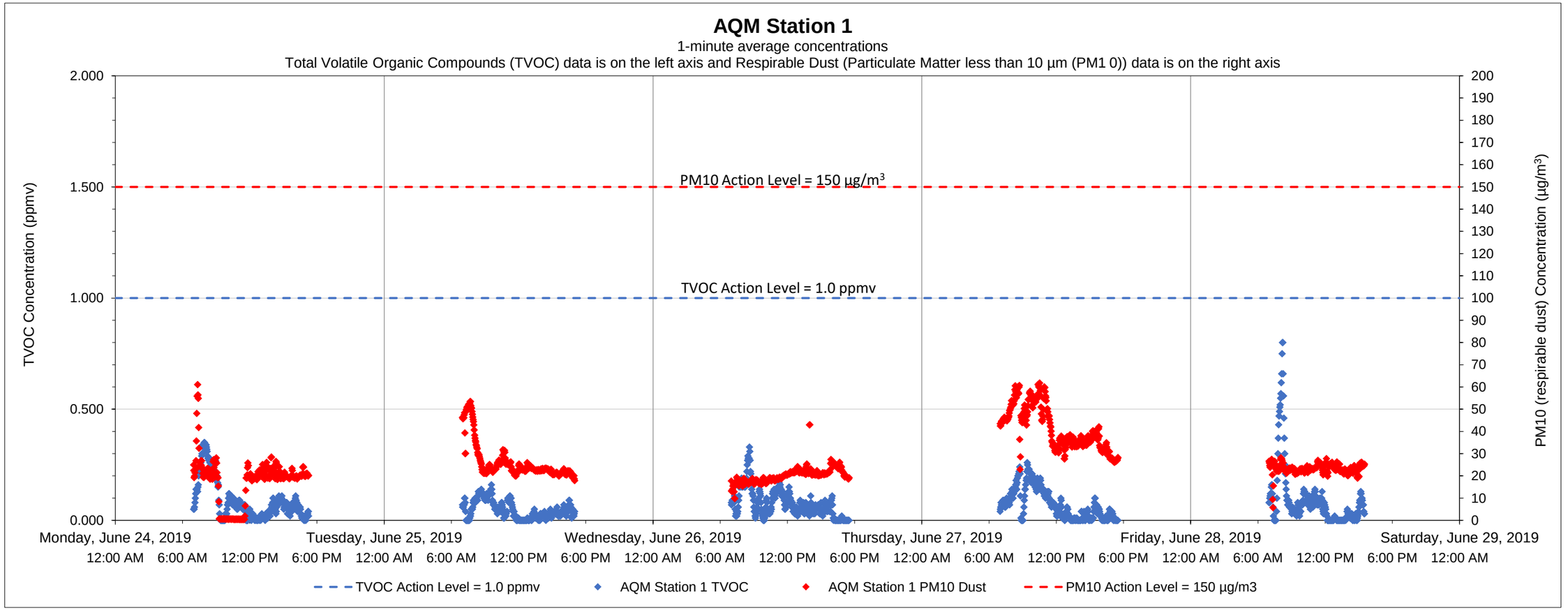
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
6/28/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.80	ppm
TVOCs action level	1	ppm
PM10 average concentration	25.61	µg/m^3
PM10 maximum concentration	61.77	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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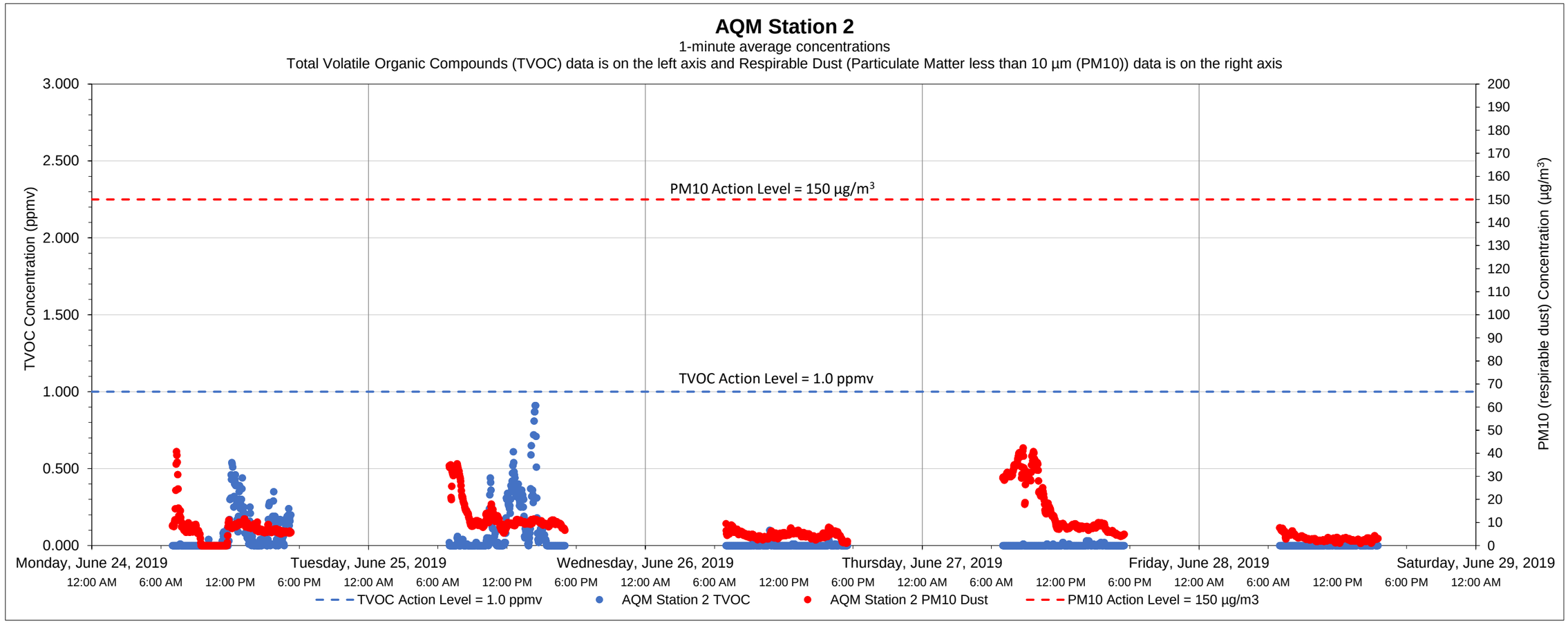
GZA Job No. 03.0033554.04
6/28/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.91	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.81	µg/m^3
PM10 maximum concentration	42.36	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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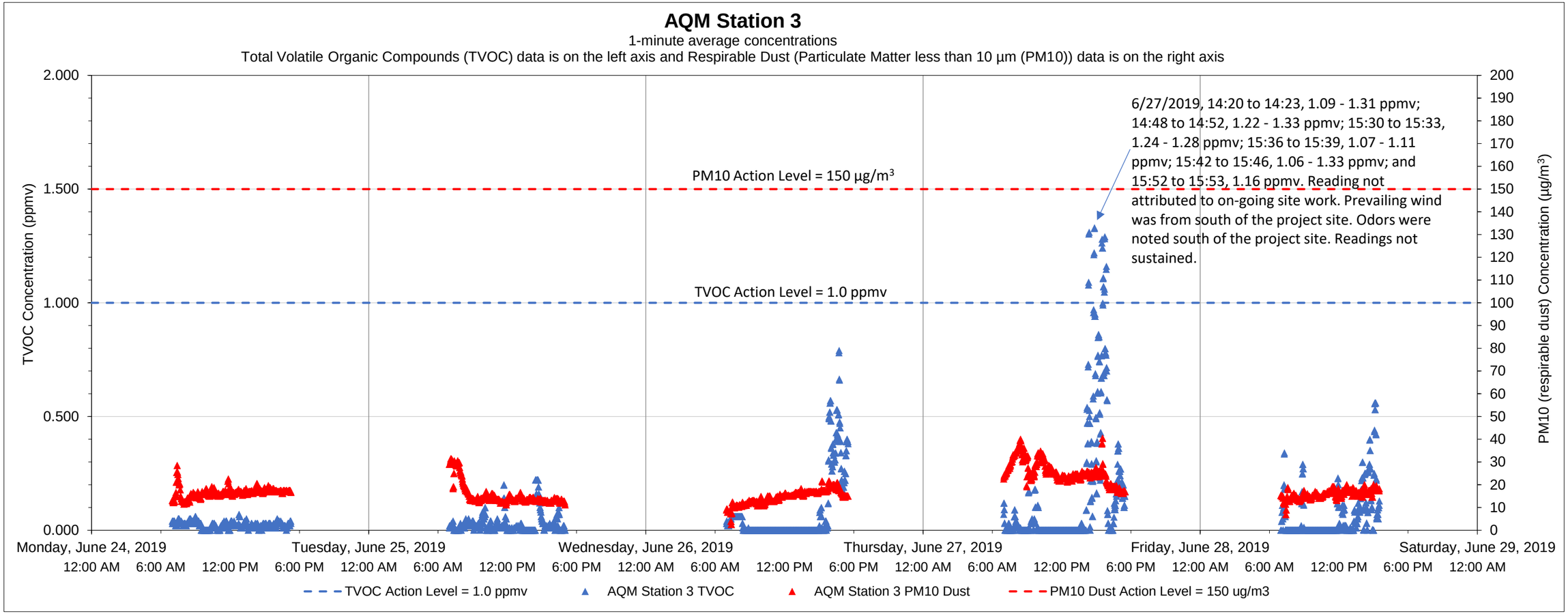

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.33	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.69	µg/m^3
PM10 maximum concentration	40.44	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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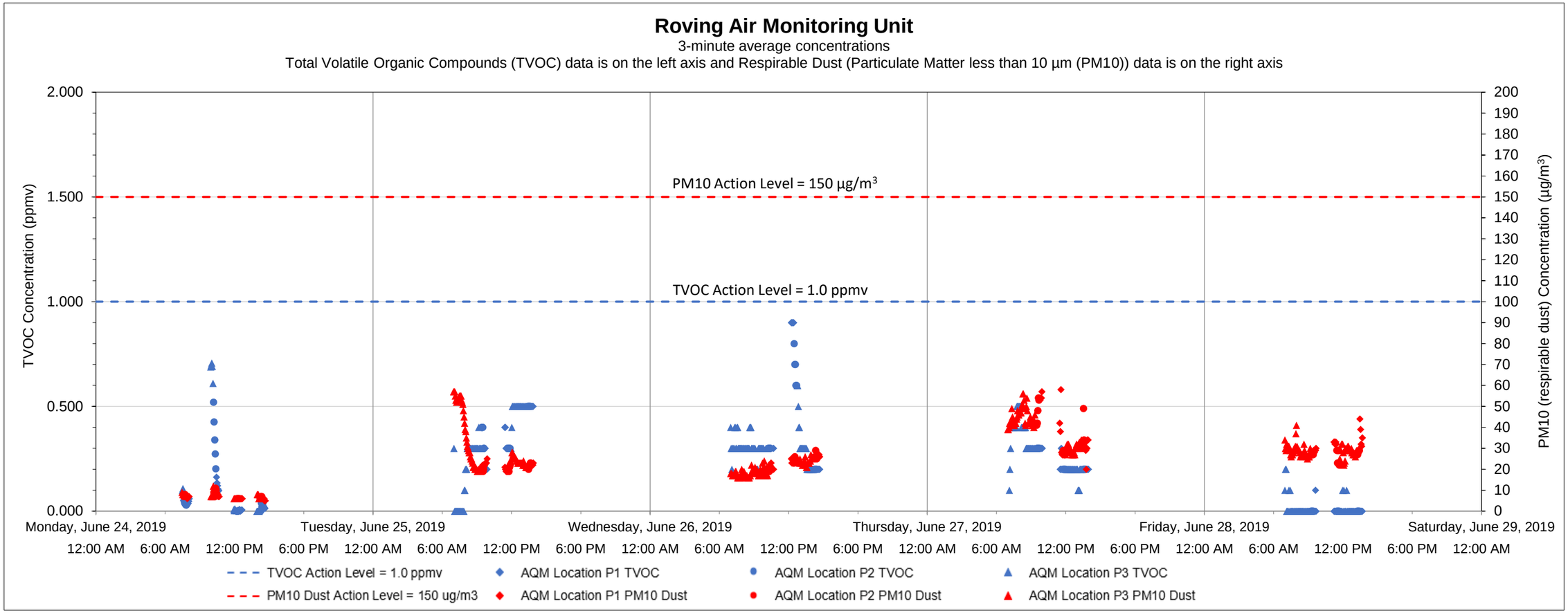
GZA Job No. 03.0033554.04
6/28/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.22	ppm
TVOCs maximum concentration	0.90	ppm
TVOCs action level	1	ppm
PM10 average concentration	26.53	µg/m^3
PM10 maximum concentration	58	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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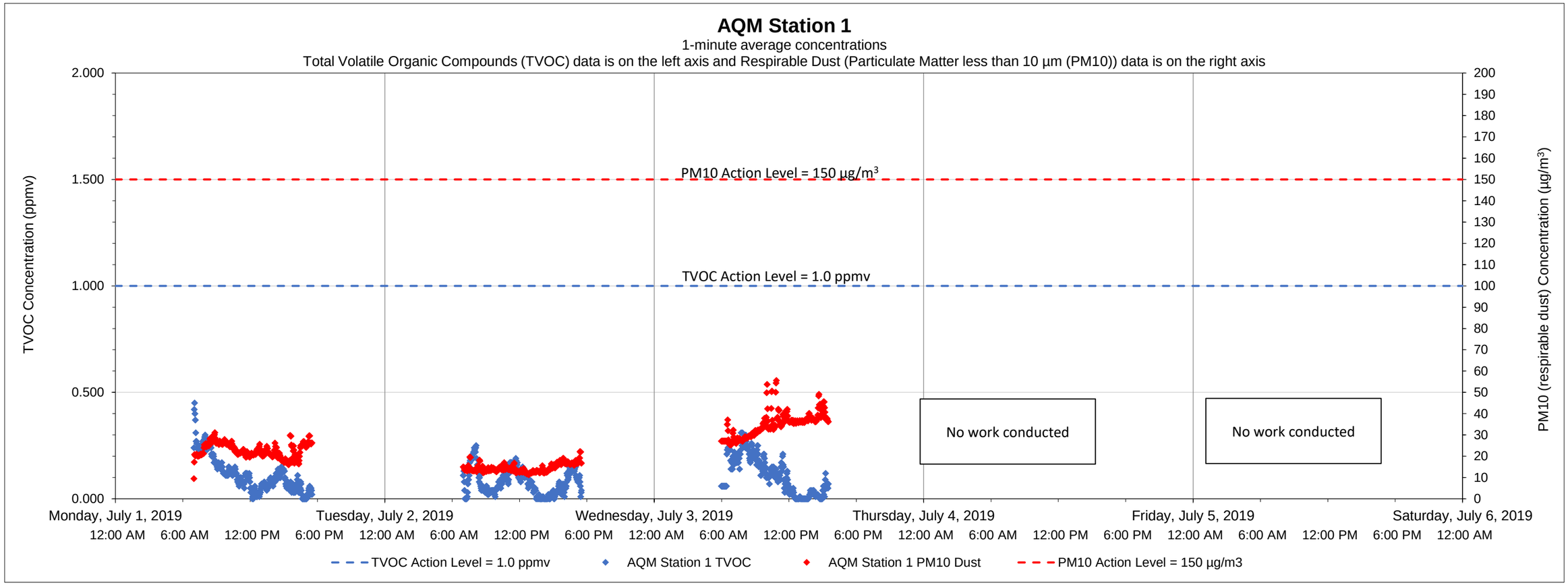
GZA Job No. 03.0033554.04
7/3/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.10	ppm
TVOCs maximum concentration	0.45	ppm
TVOCs action level	1	ppm
PM10 average concentration	23.52	µg/m^3
PM10 maximum concentration	55.57	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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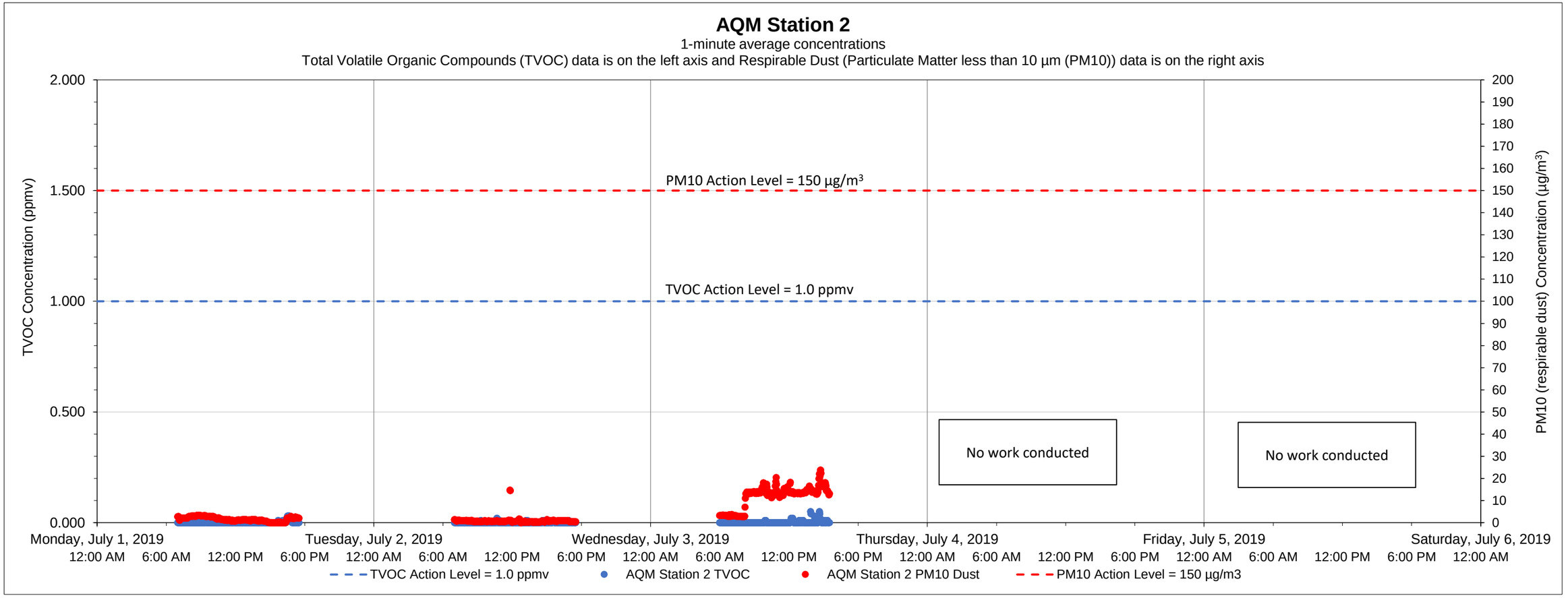

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.05	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.44	µg/m^3
PM10 maximum concentration	23.74	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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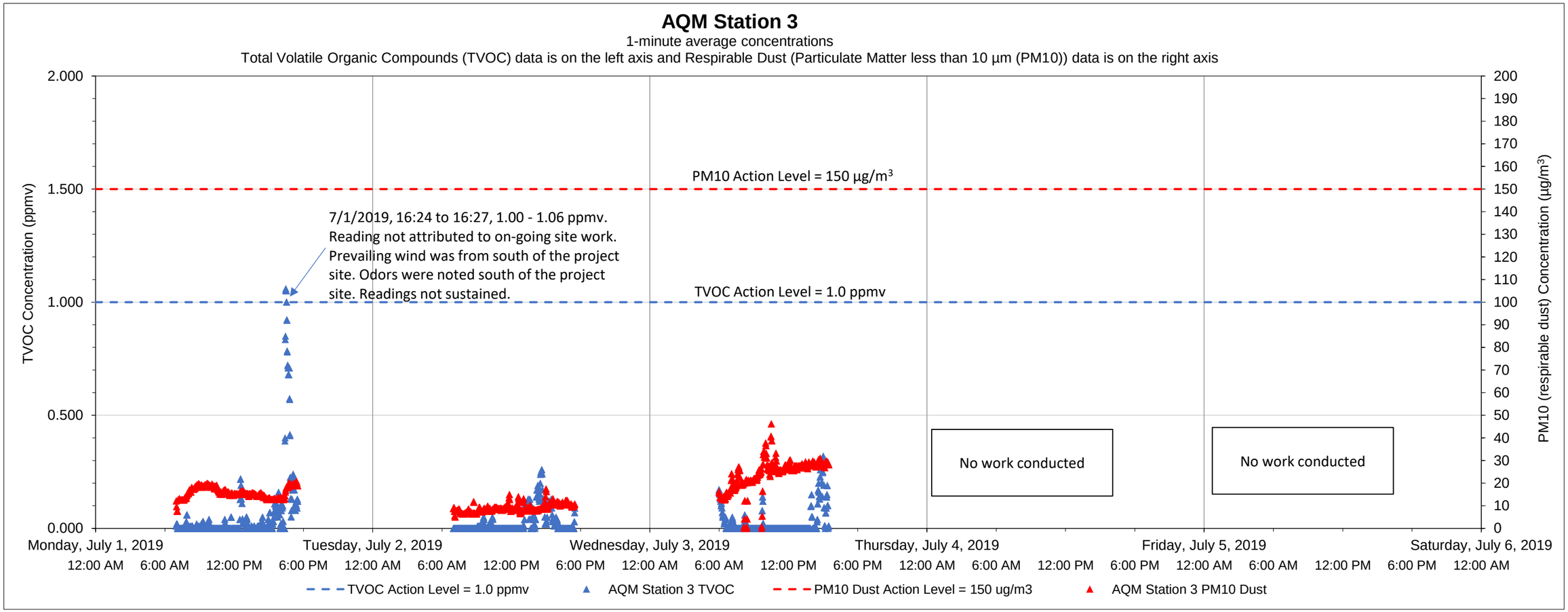

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.06	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.13	µg/m^3
PM10 maximum concentration	46.33	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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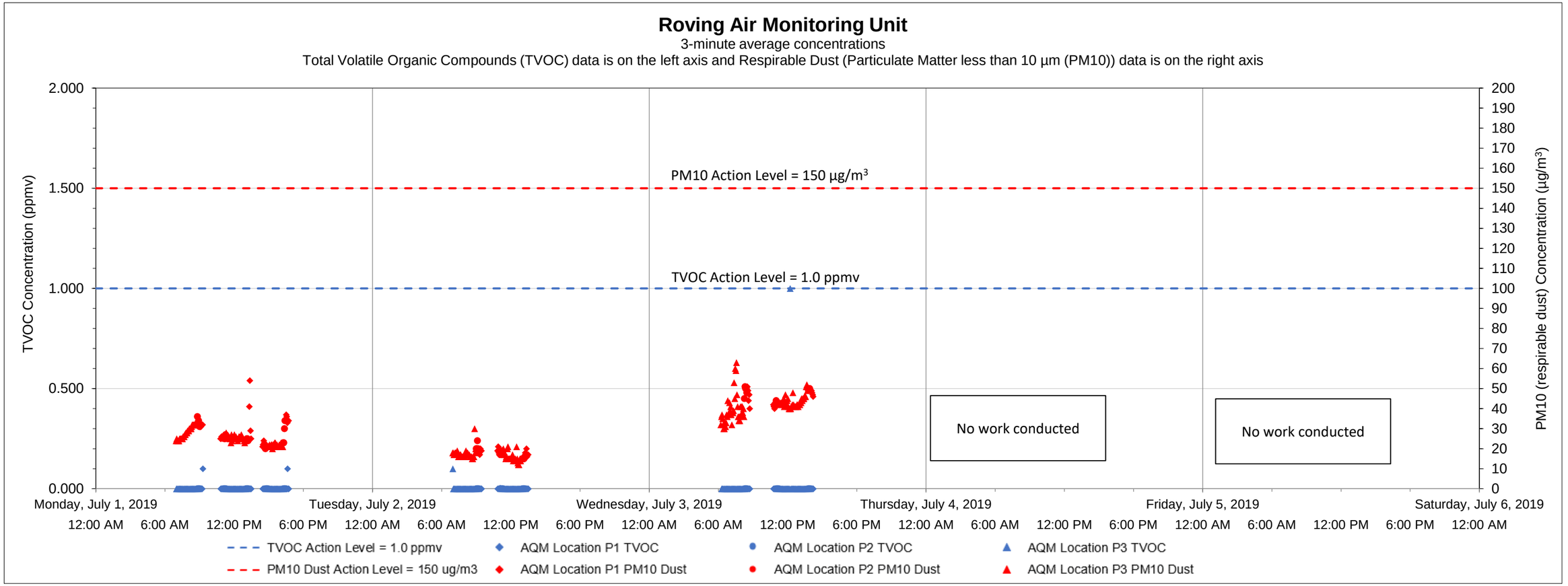

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	1.00	ppm
TVOCs action level	1	ppm
PM10 average concentration	28.96	µg/m³
PM10 maximum concentration	63	µg/m³
PM10 action level	150	µg/m³

Notes:

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2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

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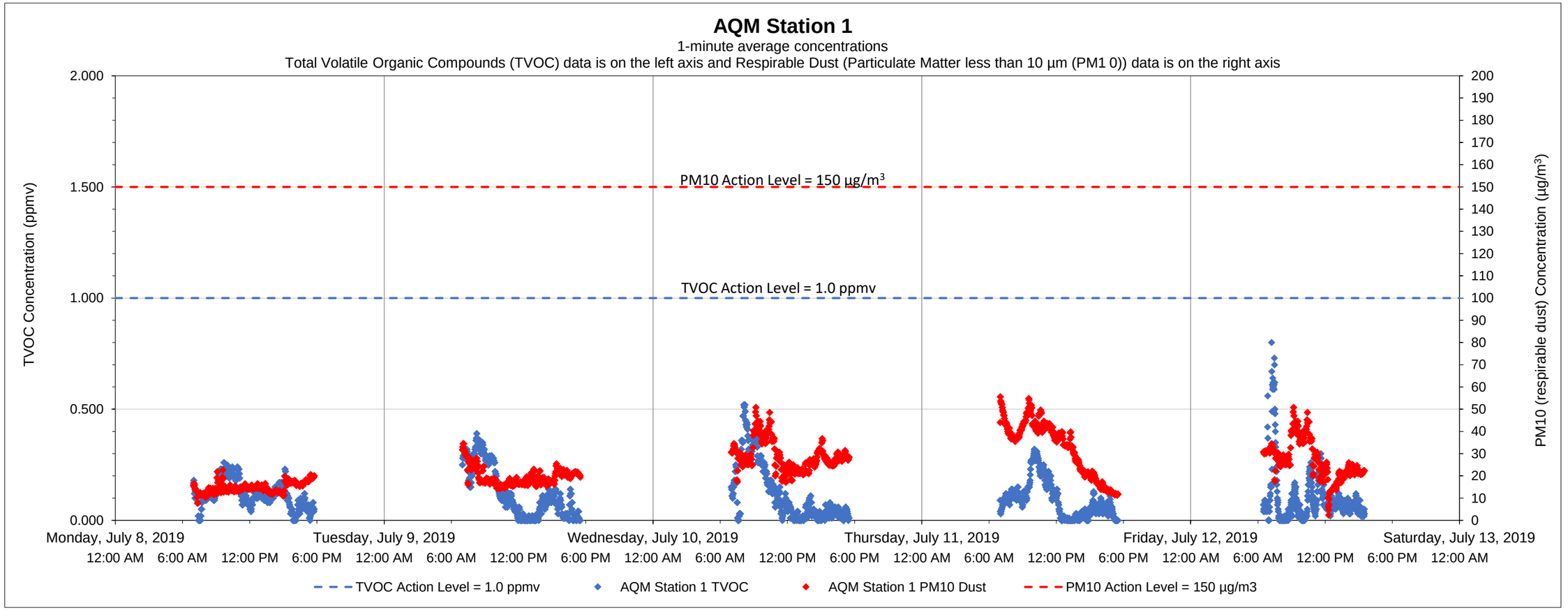
GZA Job No. 03.0033554.04
7/12/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.11	ppm
TVOCs maximum concentration	0.80	ppm
TVOCs action level	1	ppm
PM10 average concentration	24.28	µg/m^3
PM10 maximum concentration	55.64	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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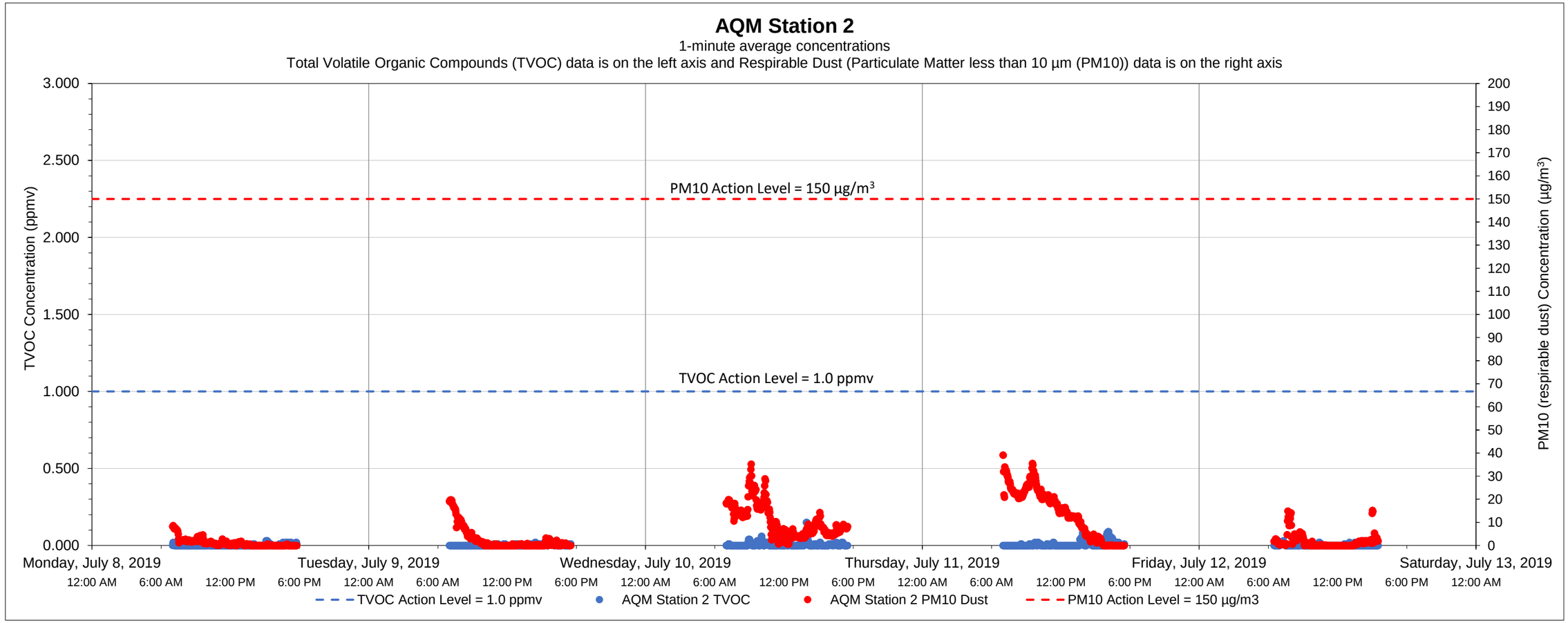

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.15	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.03	µg/m^3
PM10 maximum concentration	39.19	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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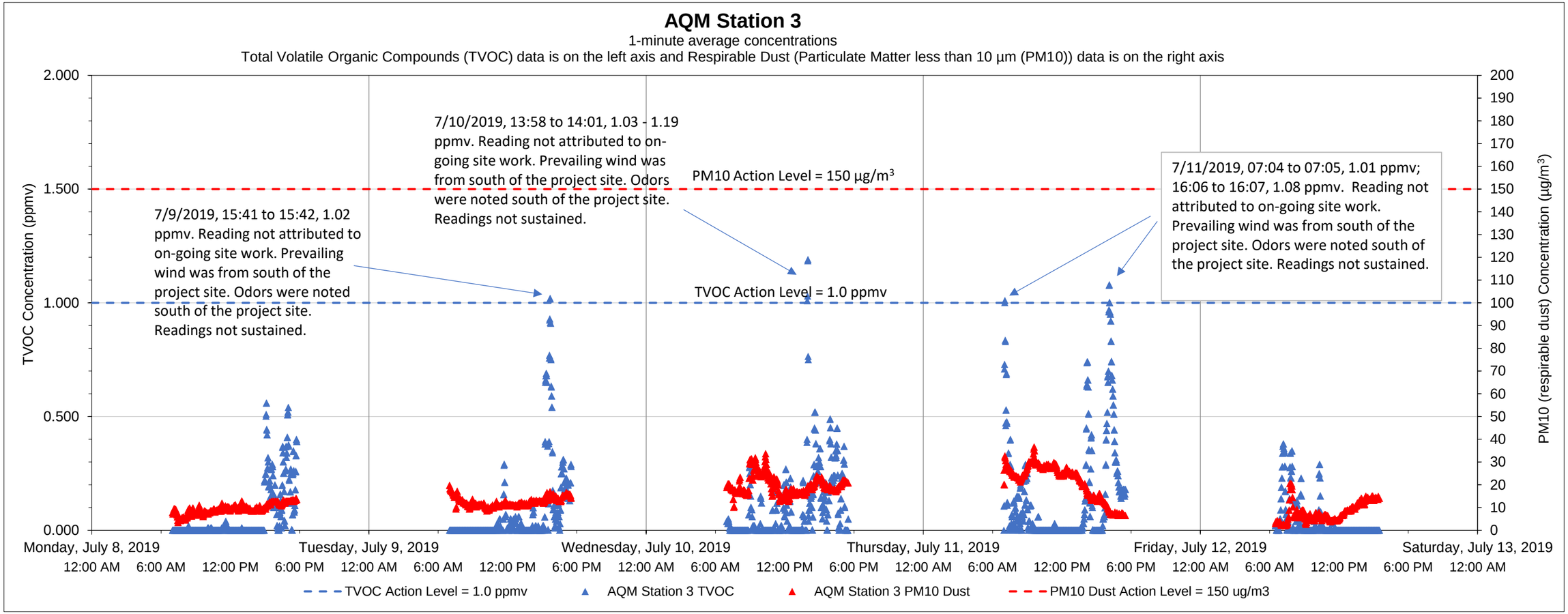

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	1.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.34	µg/m^3
PM10 maximum concentration	36.62	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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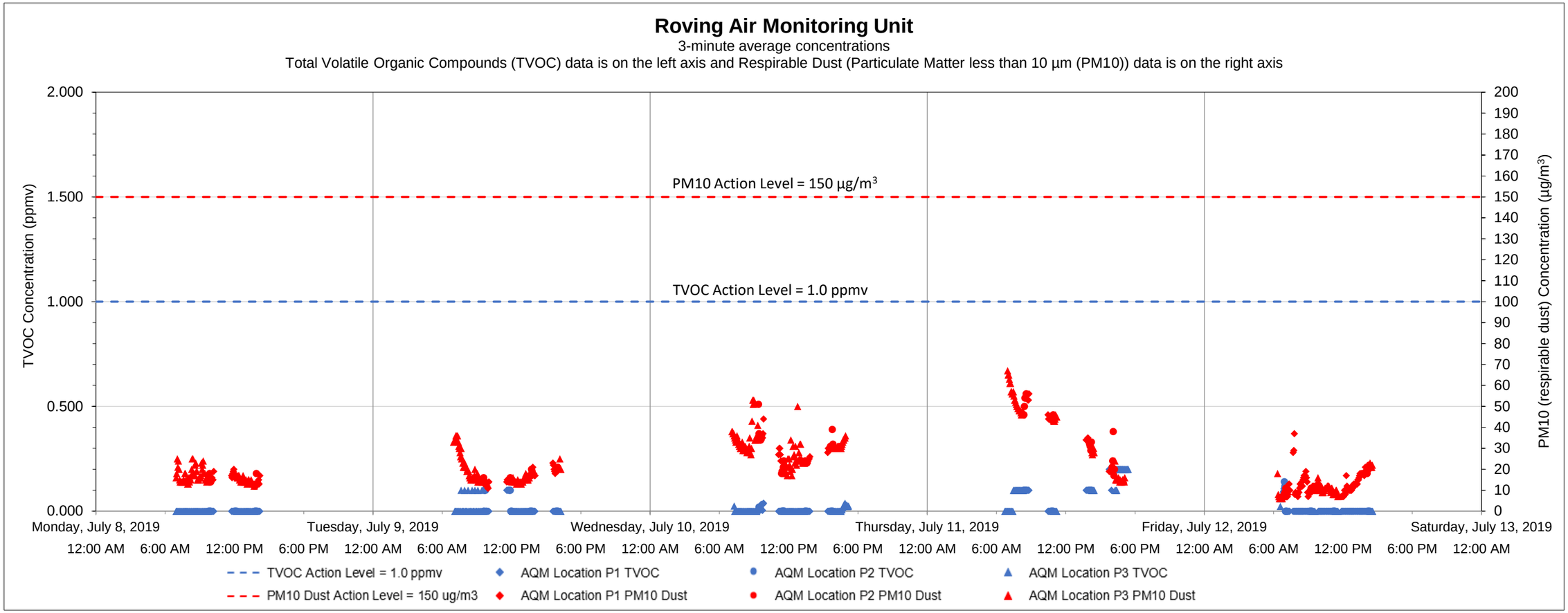

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	22.14	µg/m^3
PM10 maximum concentration	67	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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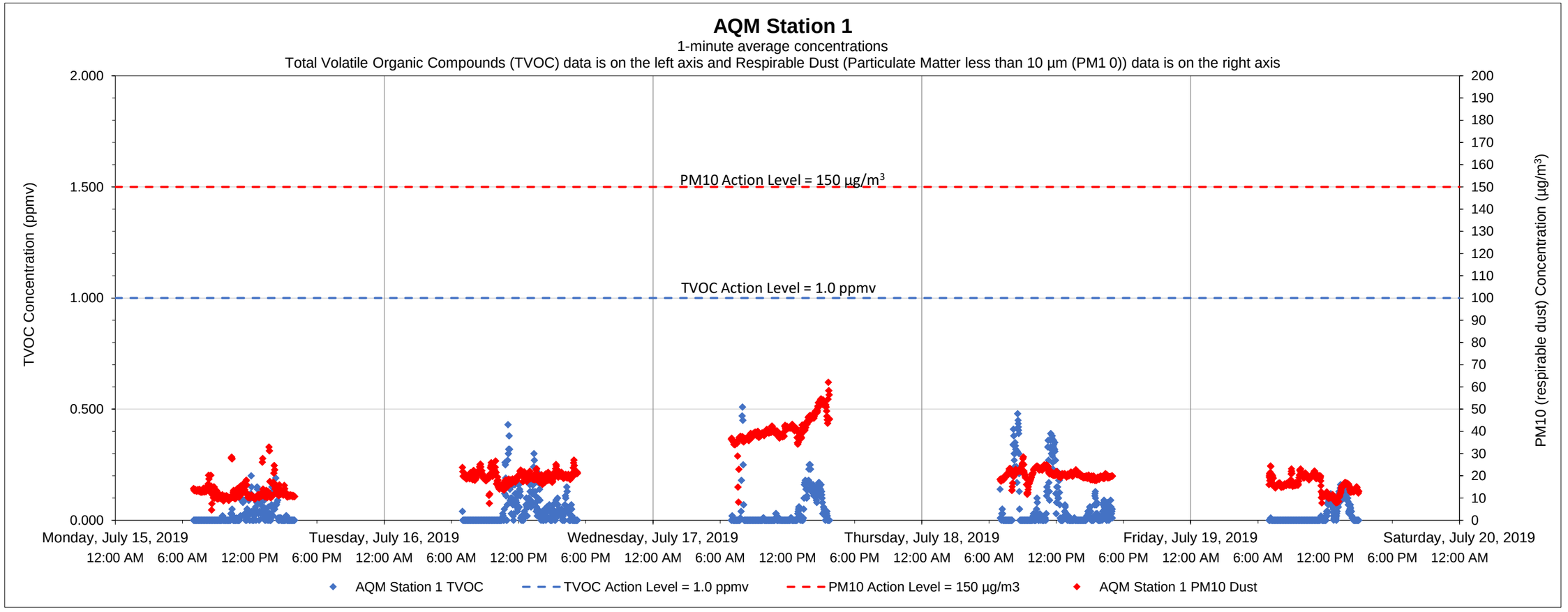

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.51	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.84	µg/m^3
PM10 maximum concentration	62.11	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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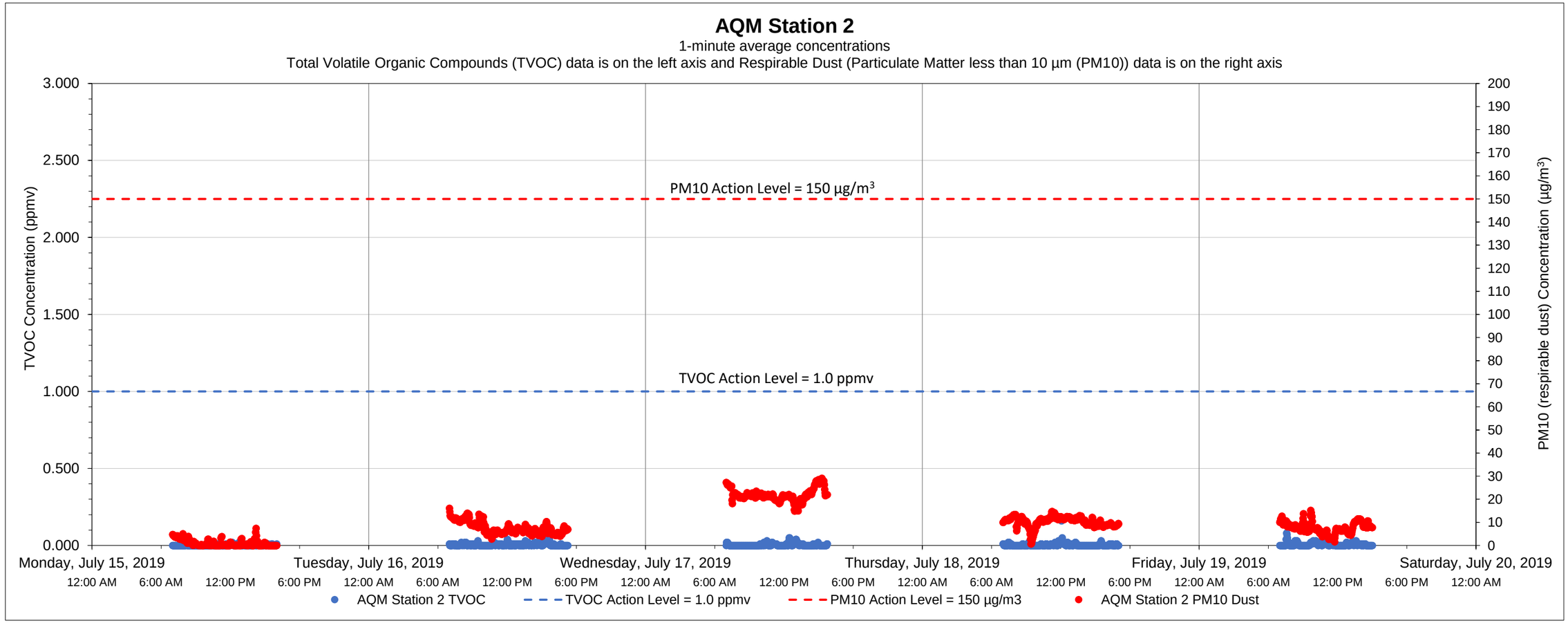

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.56	µg/m^3
PM10 maximum concentration	29.11	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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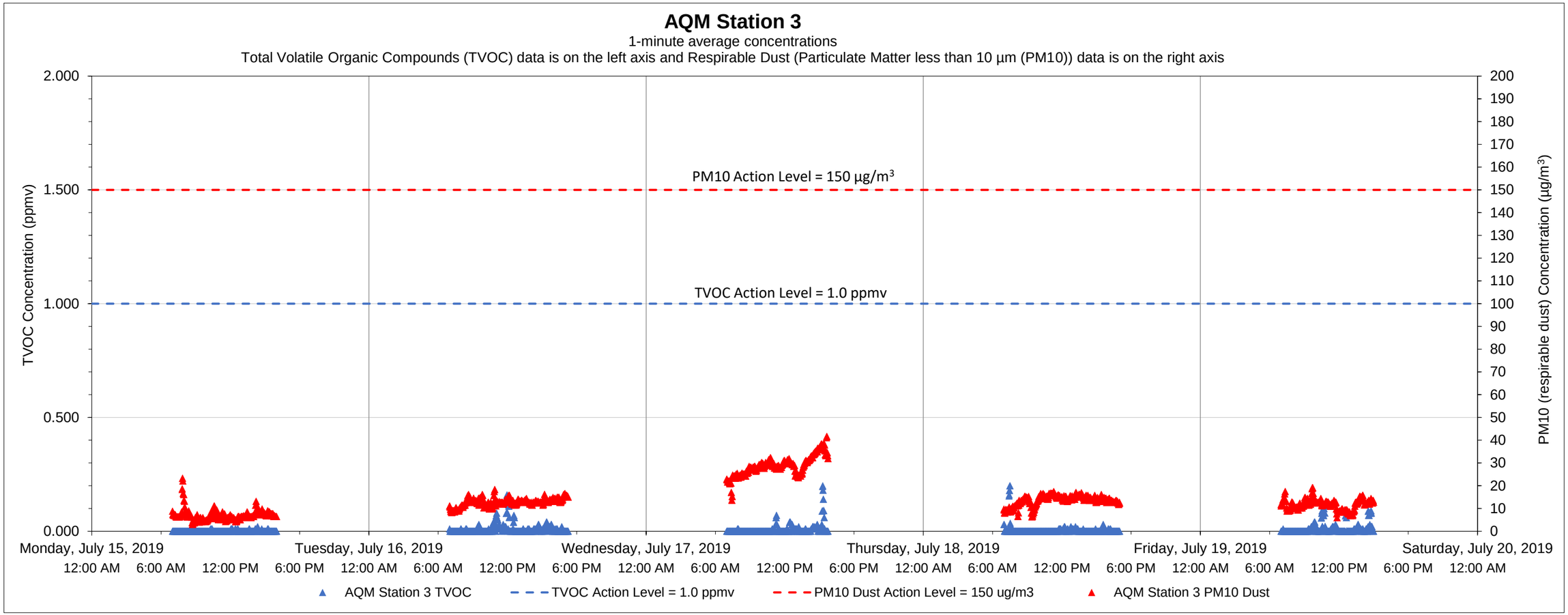

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.70	µg/m^3
PM10 maximum concentration	41.72	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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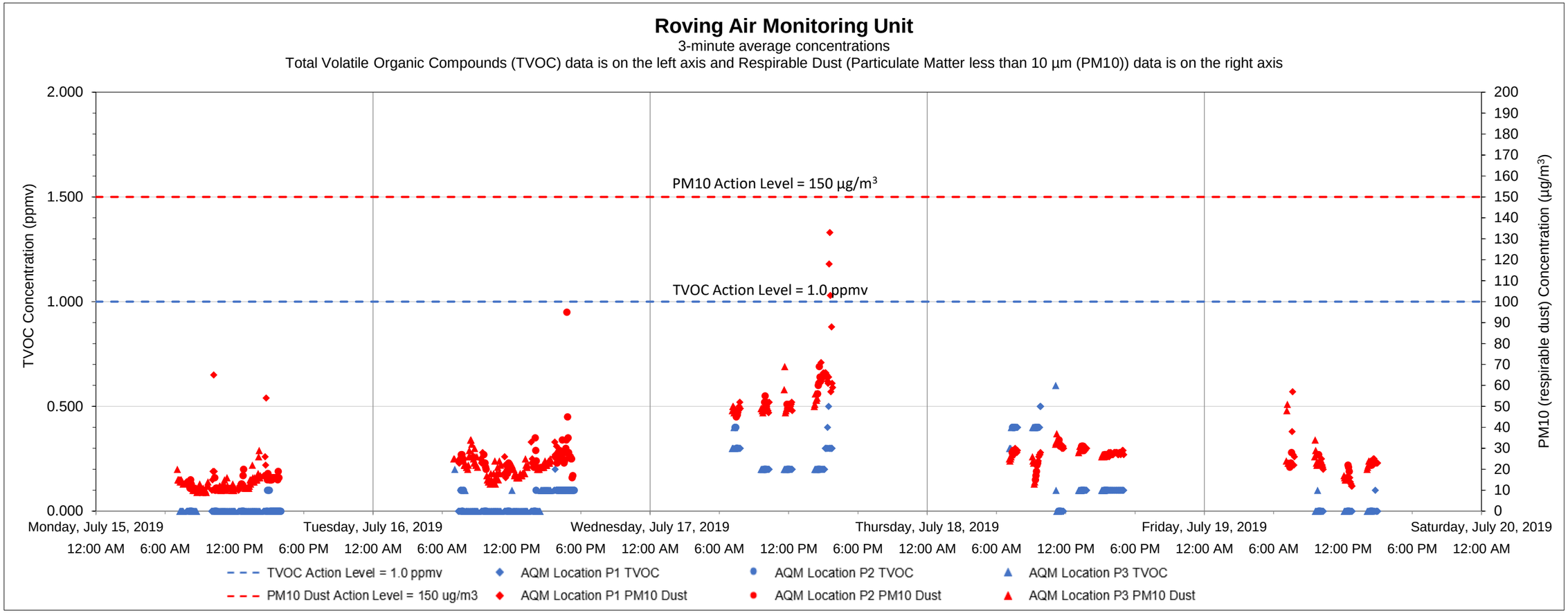
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
7/19/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	0.60	ppm
TVOCs action level	1	ppm
PM10 average concentration	25.93	µg/m^3
PM10 maximum concentration	133	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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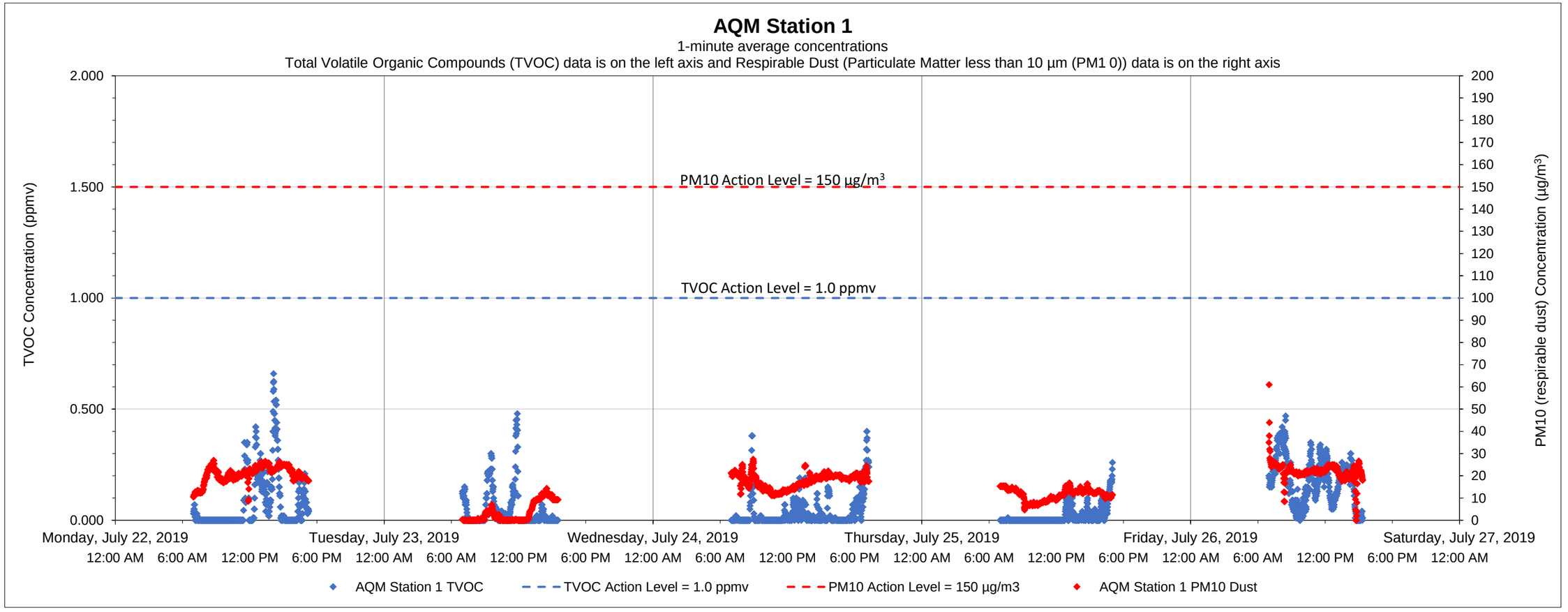
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
7/26/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.66	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.30	µg/m^3
PM10 maximum concentration	61.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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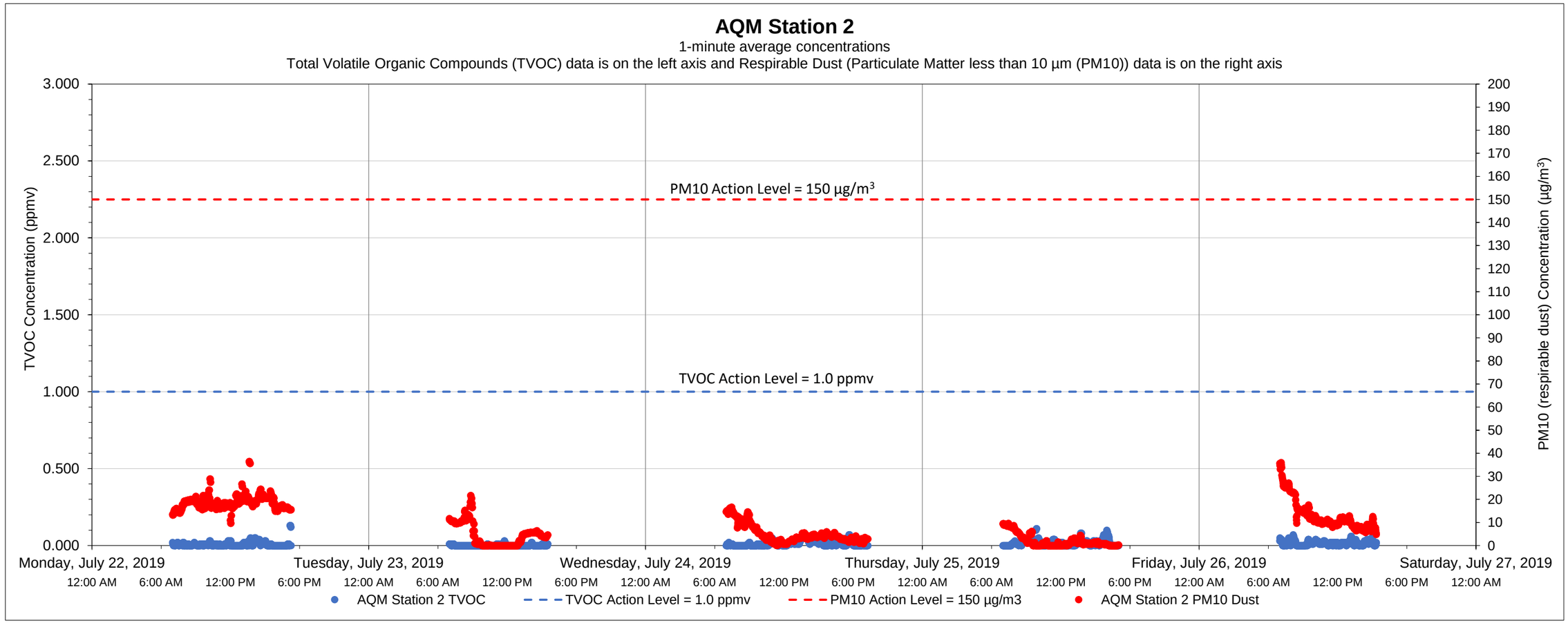

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.13	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.41	µg/m^3
PM10 maximum concentration	36.47	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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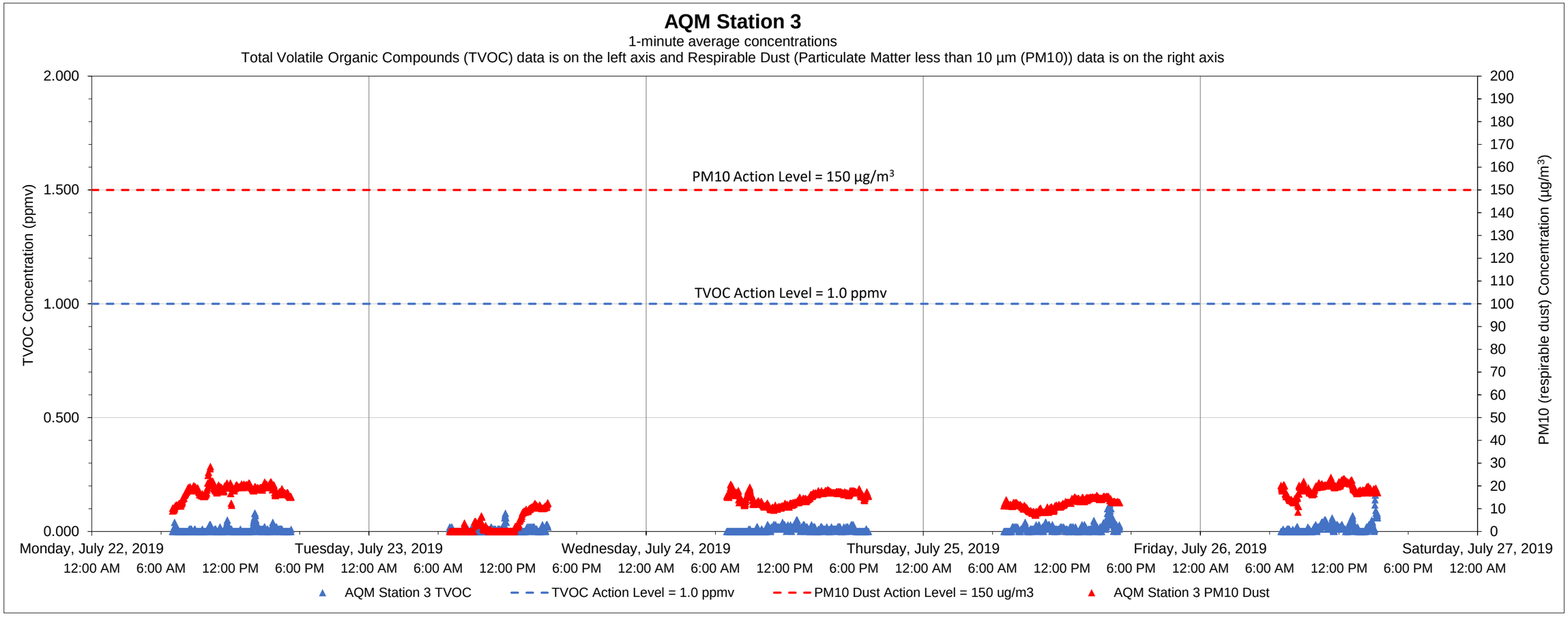

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.16	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.63	µg/m^3
PM10 maximum concentration	28.53	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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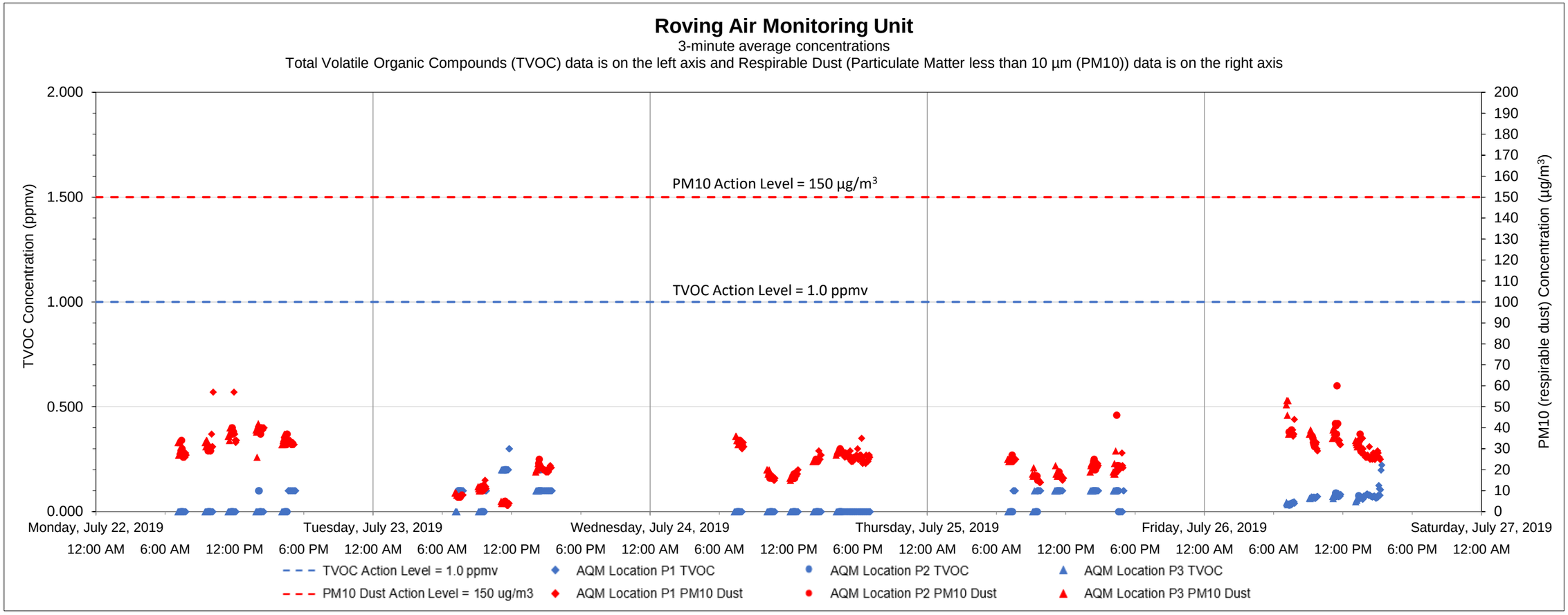

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	25.51	µg/m^3
PM10 maximum concentration	60	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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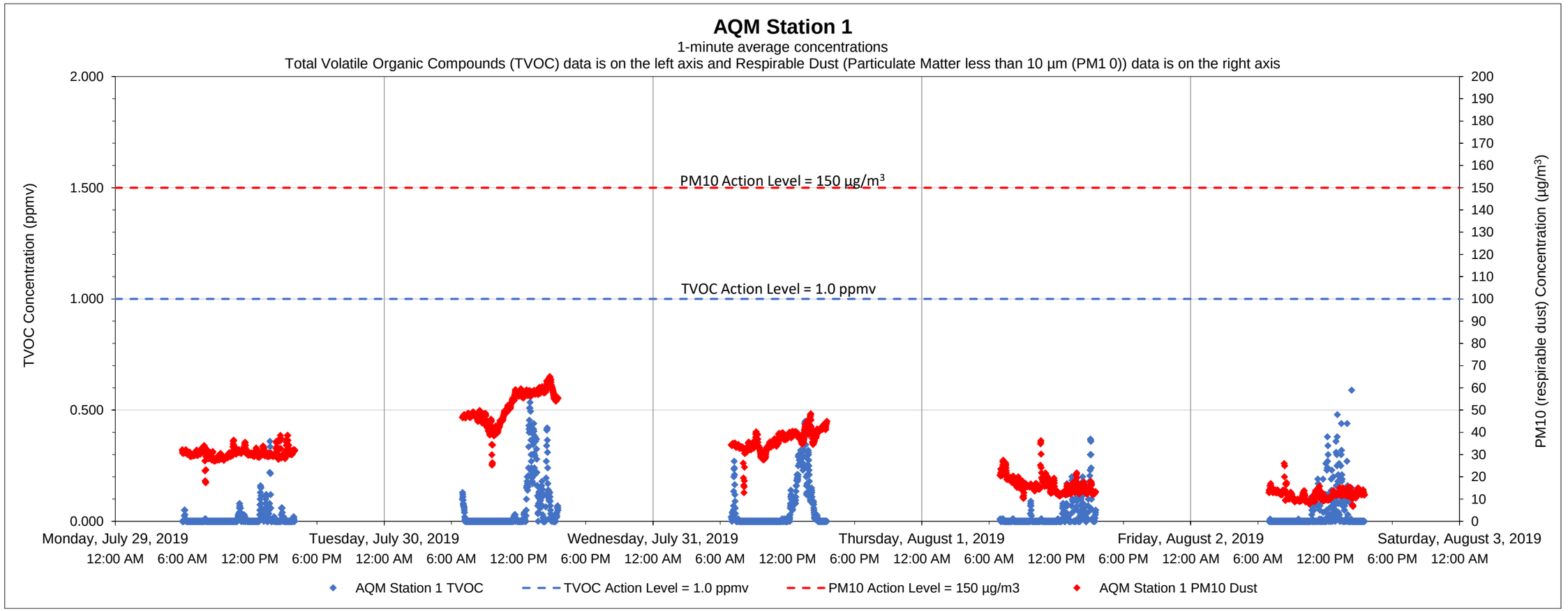
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
8/2/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.59	ppm
TVOCs action level	1	ppm
PM10 average concentration	29.37	µg/m^3
PM10 maximum concentration	65.07	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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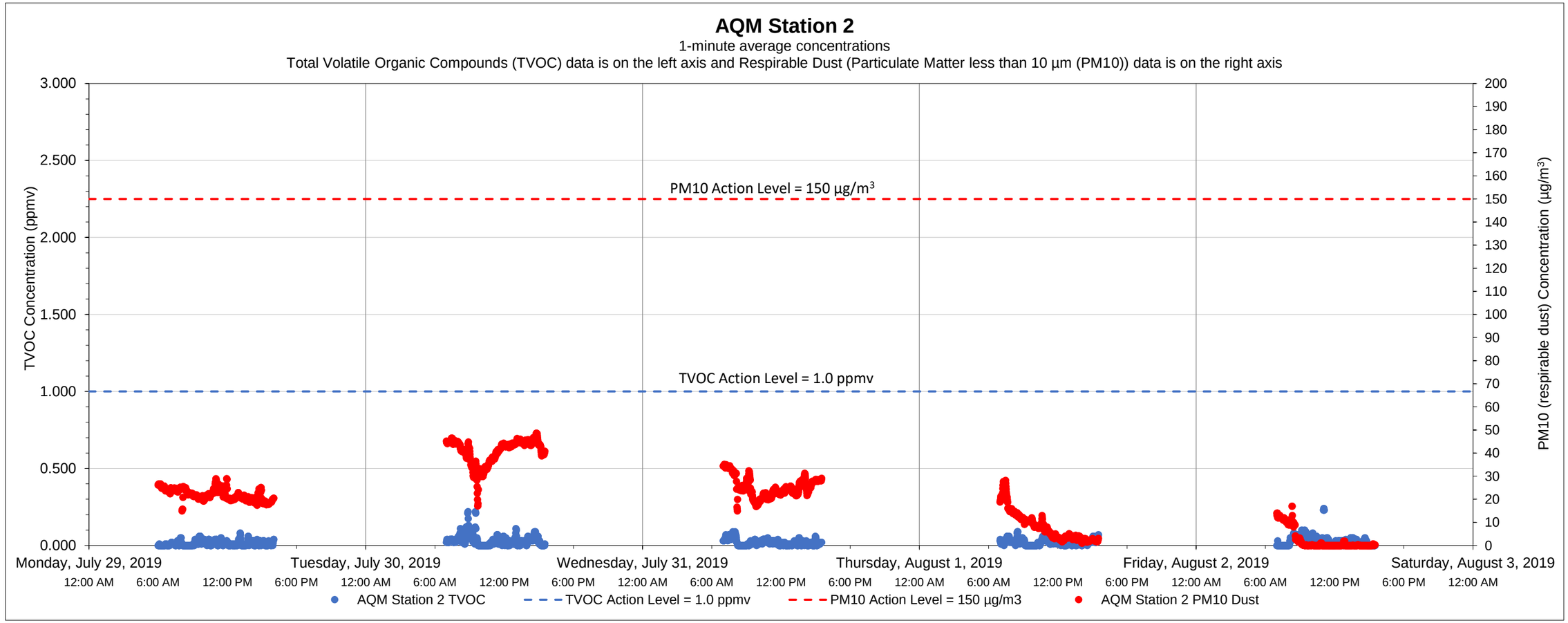

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	19.71	µg/m^3
PM10 maximum concentration	48.62	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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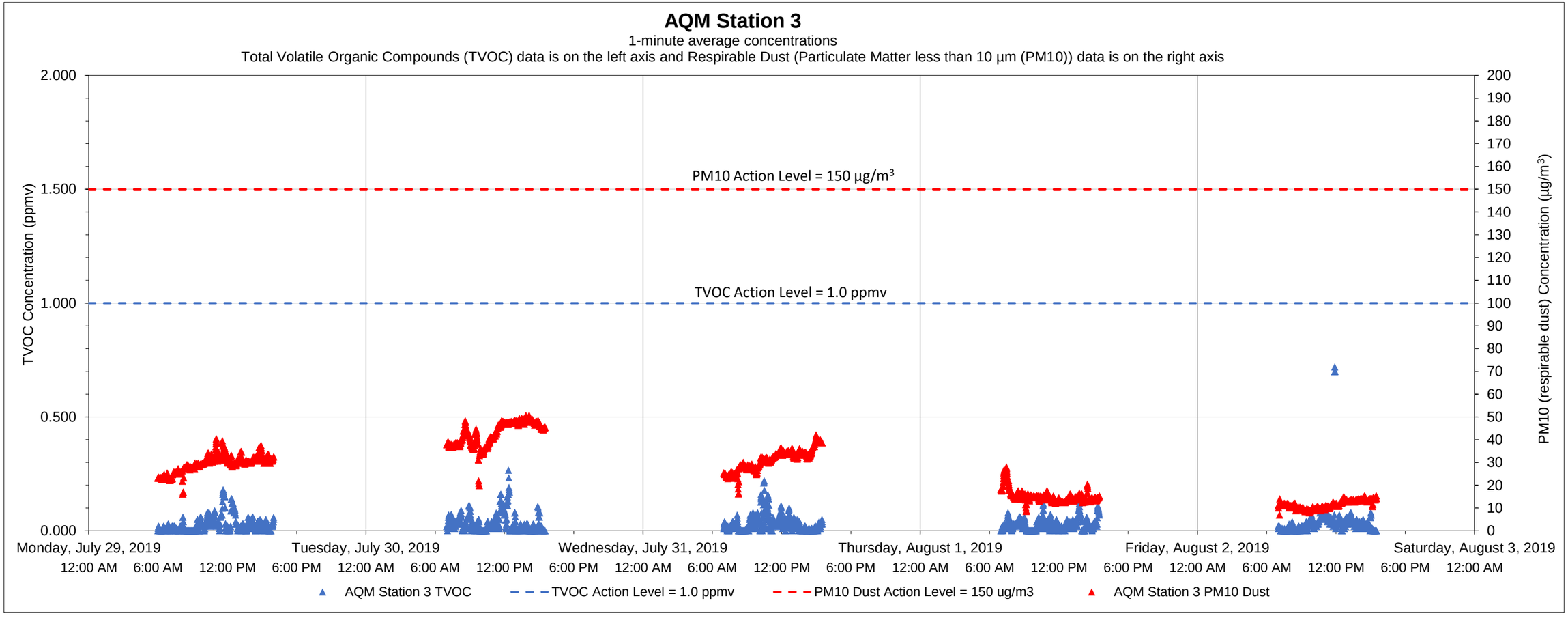

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.72	ppm
TVOCs action level	1	ppm
PM10 average concentration	26.19	µg/m^3
PM10 maximum concentration	50.63	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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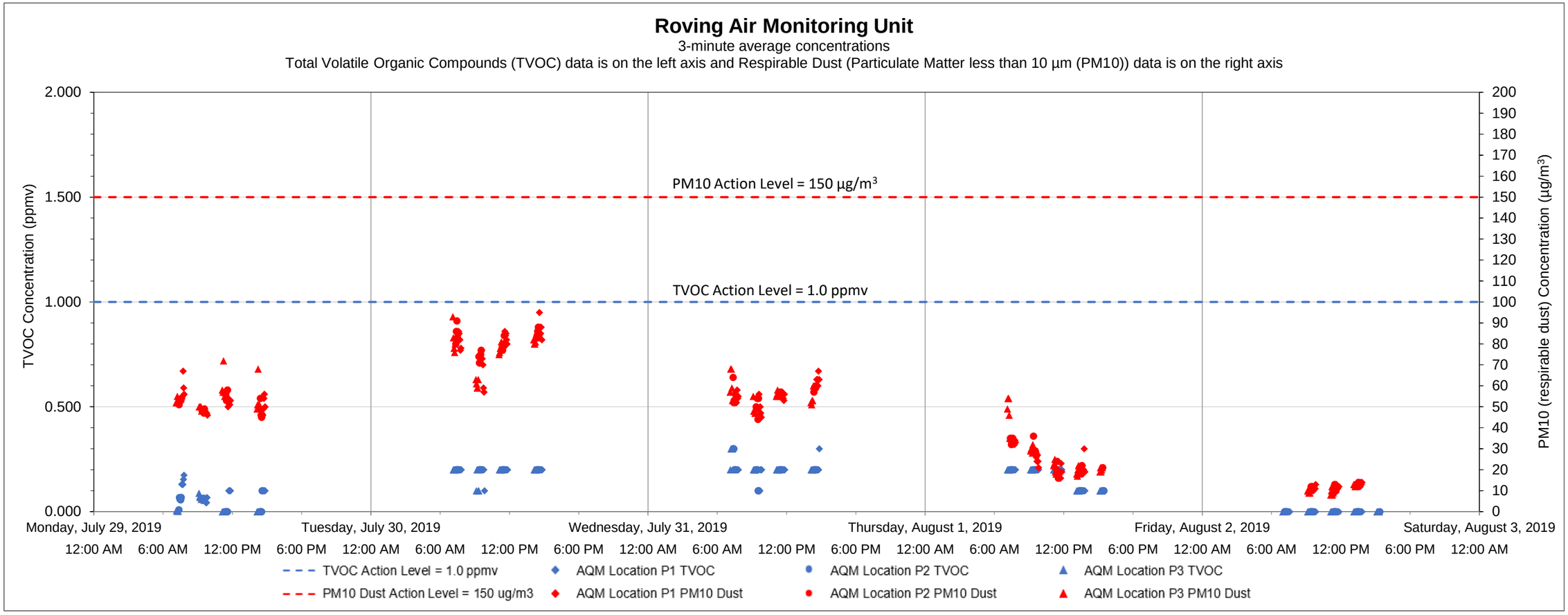

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.12	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	46.06	µg/m^3
PM10 maximum concentration	95	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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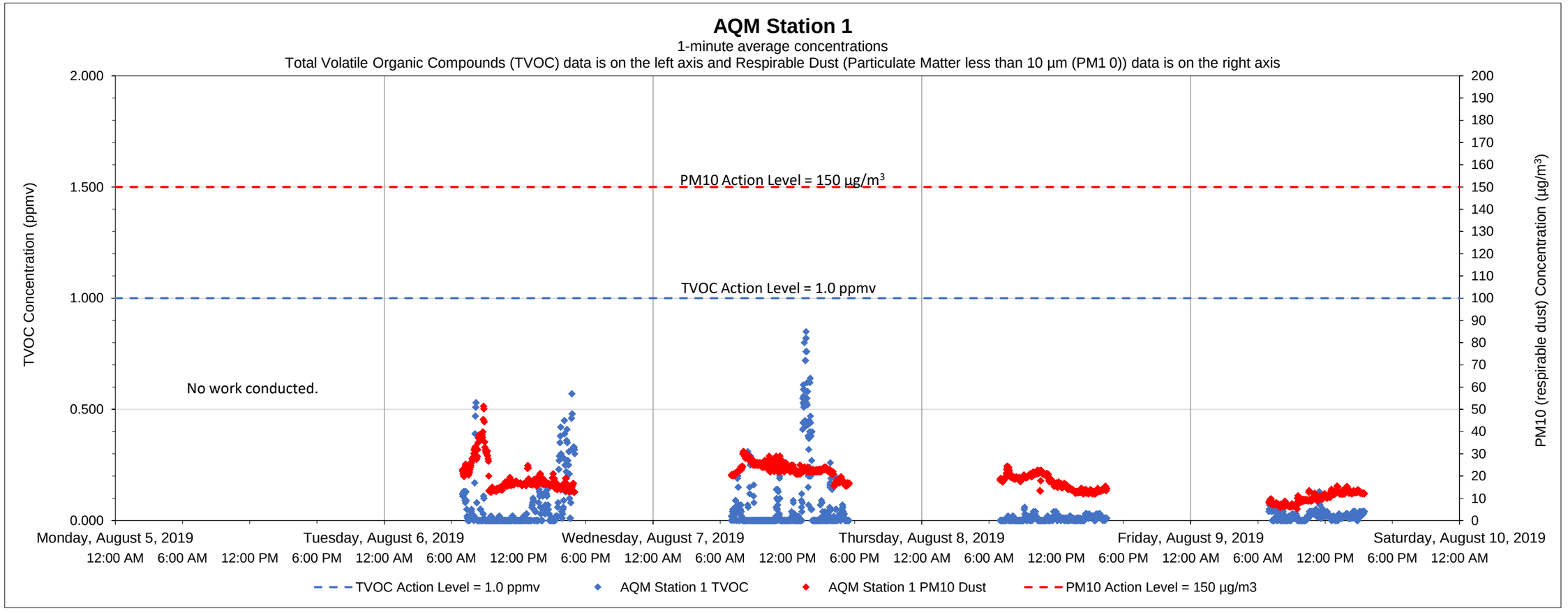

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.85	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.68	µg/m^3
PM10 maximum concentration	51.42	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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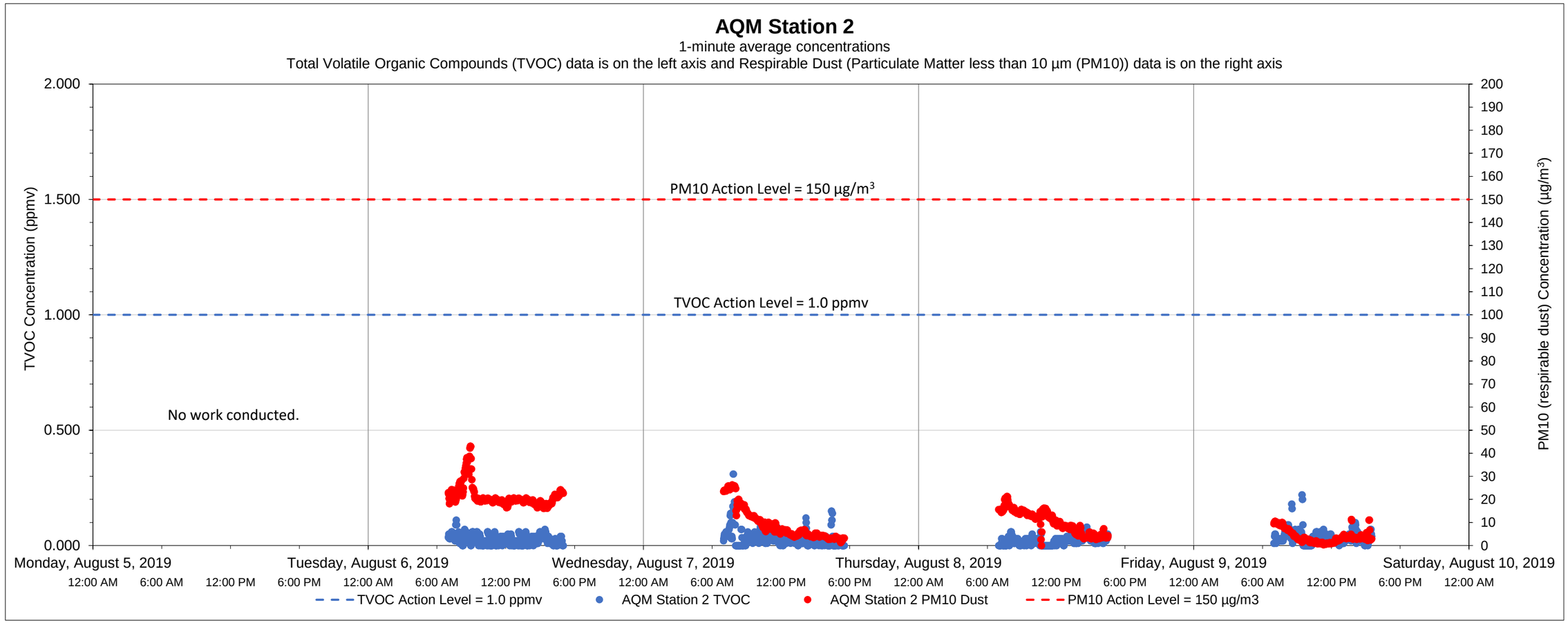

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.32	µg/m^3
PM10 maximum concentration	43.06	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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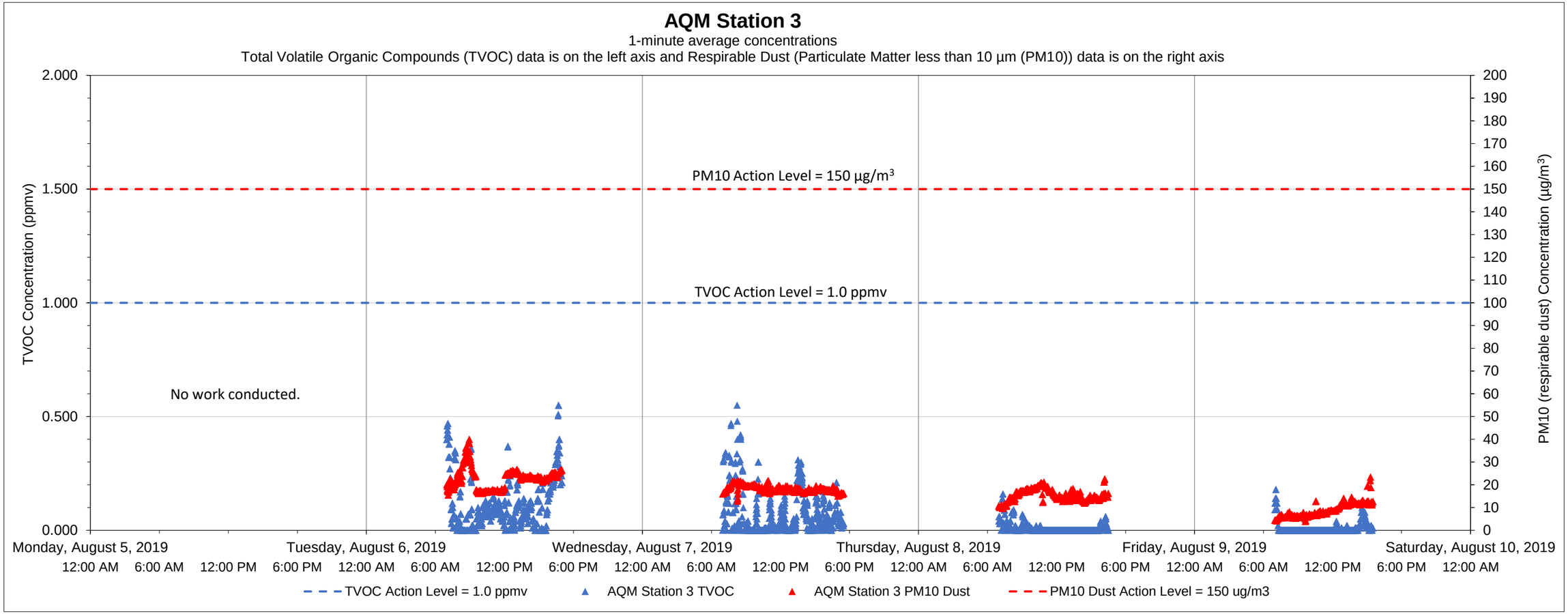

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.55	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.59	µg/m^3
PM10 maximum concentration	39.98	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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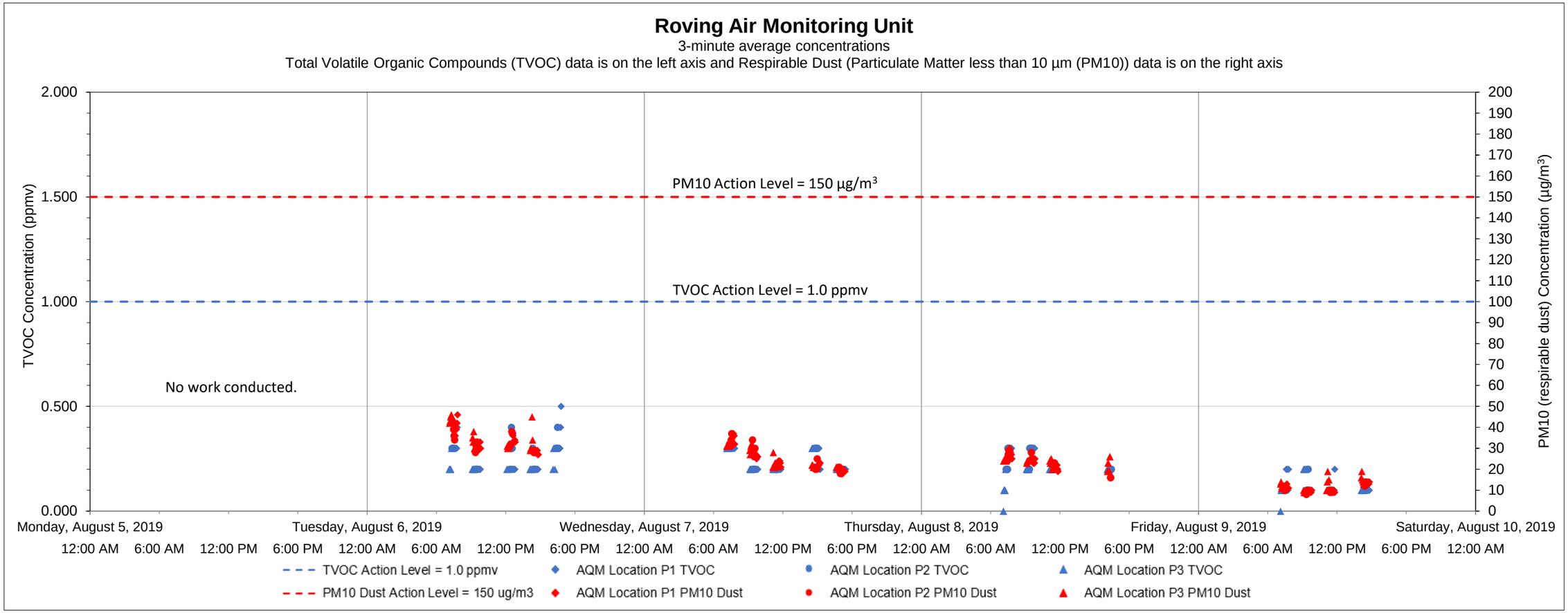

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.21	ppm
TVOCs maximum concentration	0.50	ppm
TVOCs action level	1	ppm
PM10 average concentration	23.56	µg/m^3
PM10 maximum concentration	46	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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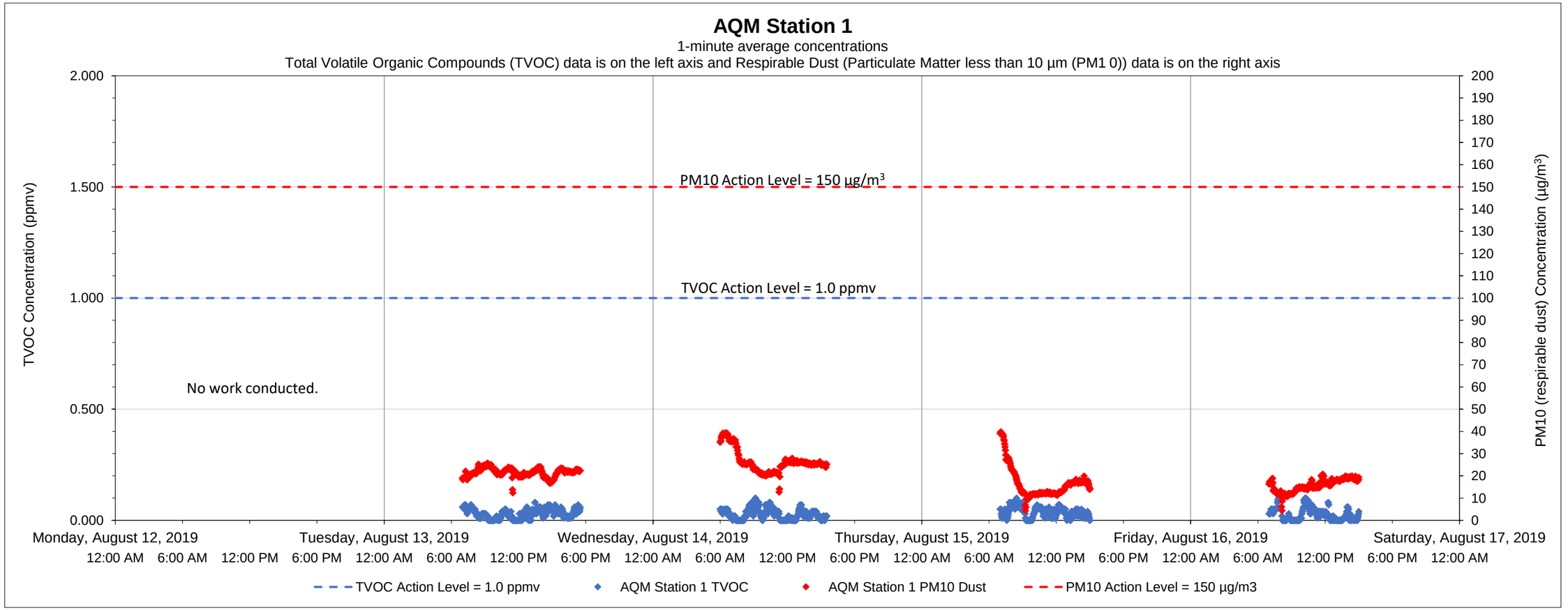

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.13	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.41	µg/m^3
PM10 maximum concentration	39.83	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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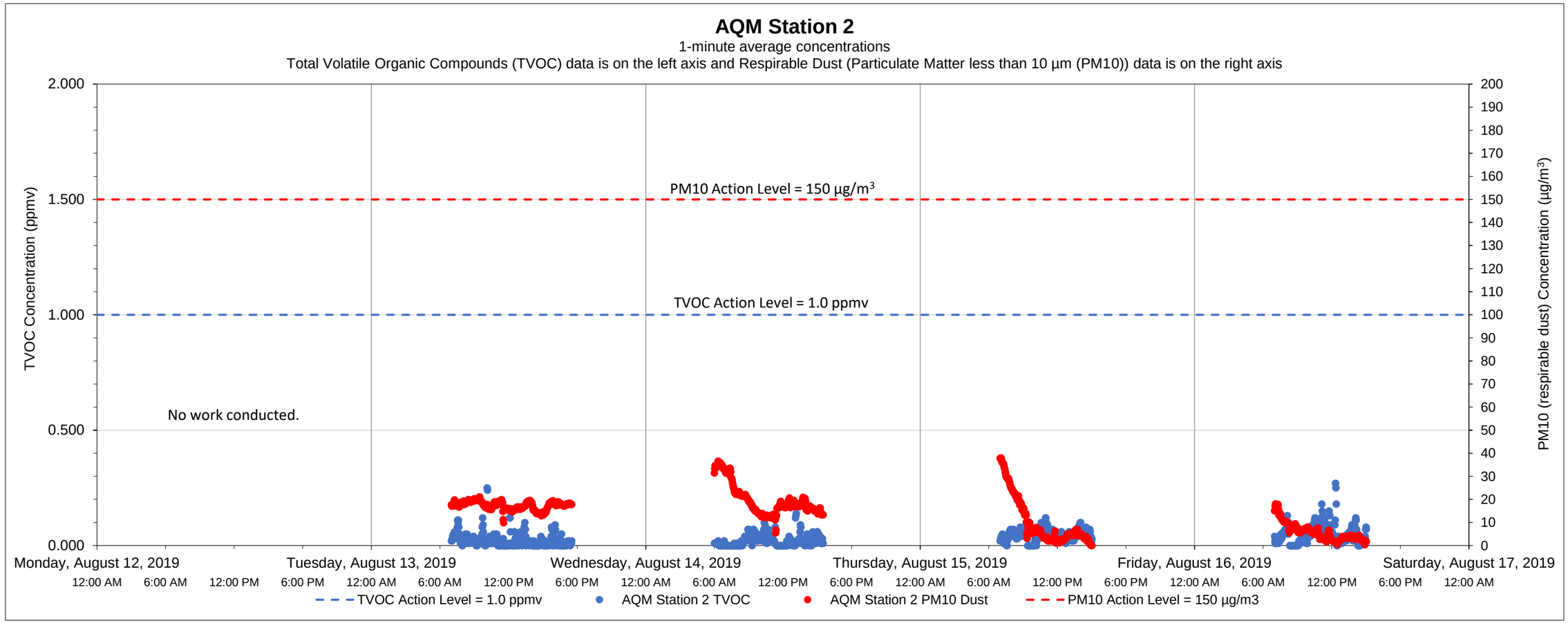

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.27	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.74	µg/m^3
PM10 maximum concentration	38.03	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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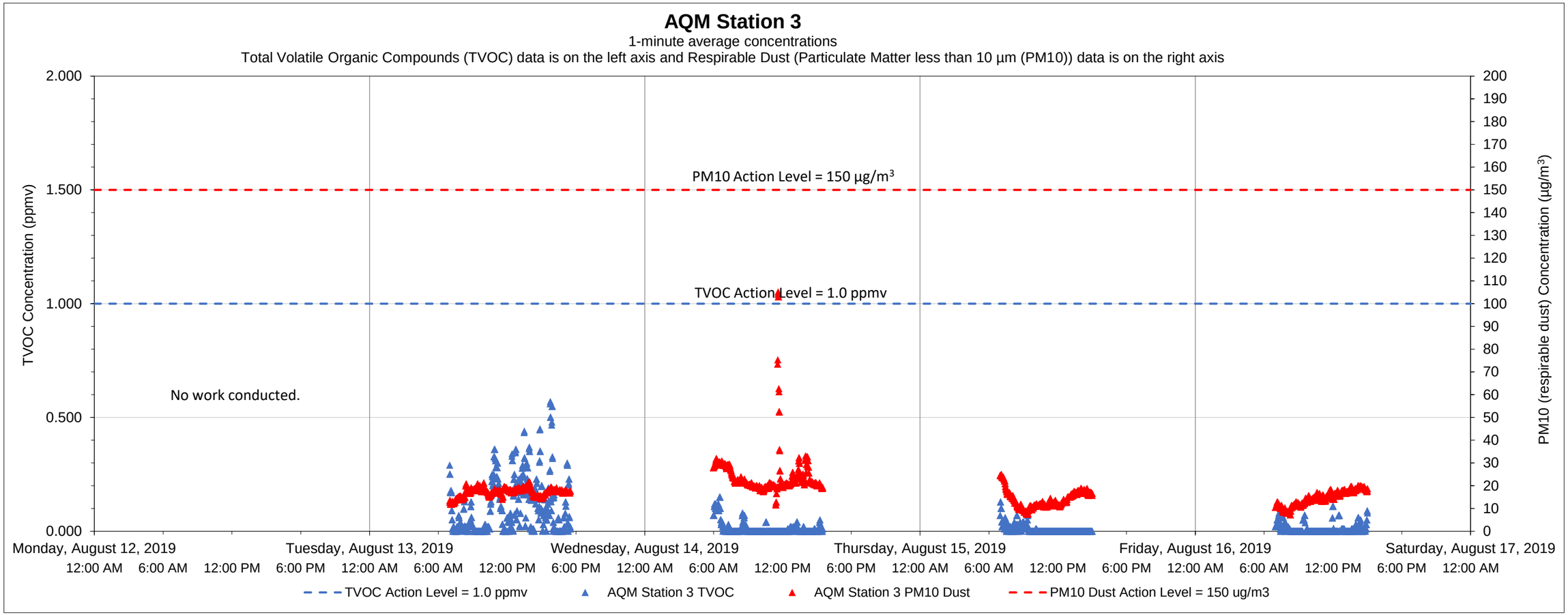

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.57	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.67	µg/m^3
PM10 maximum concentration	105.14	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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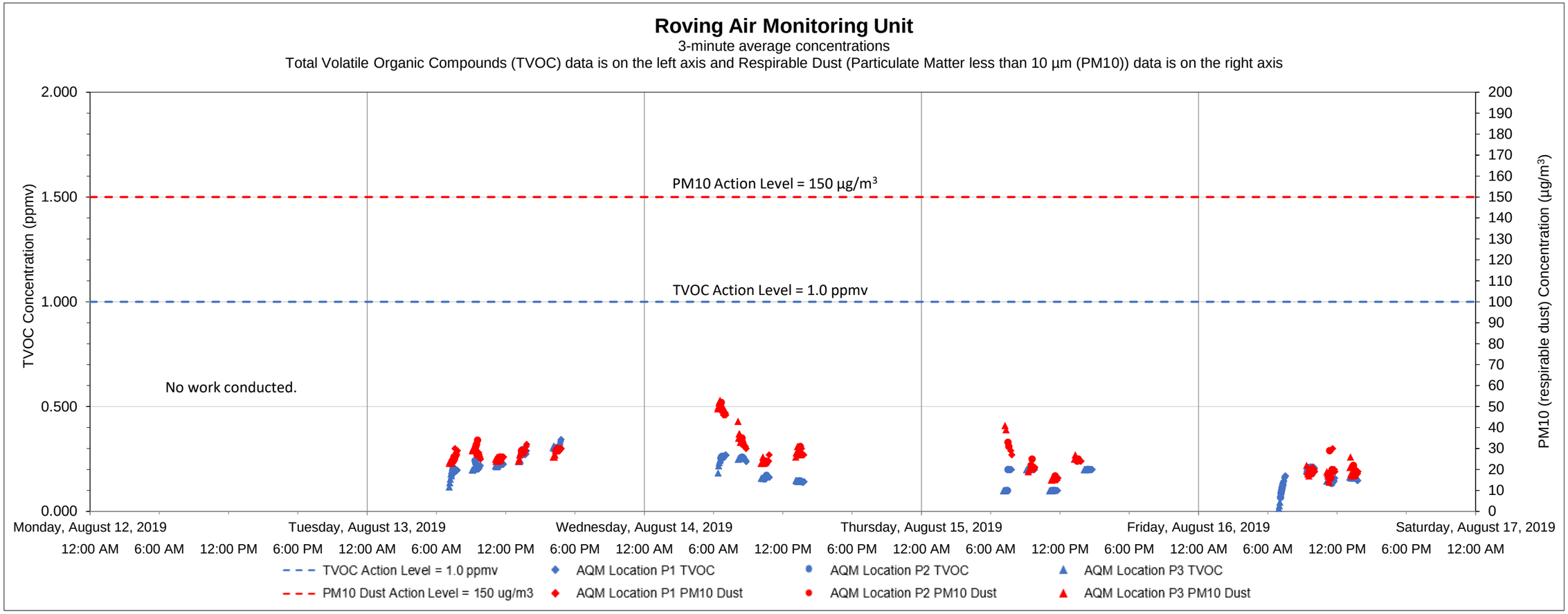


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.19	ppm
TVOCs maximum concentration	0.34	ppm
TVOCs action level	1	ppm
PM10 average concentration	26.99	µg/m^3
PM10 maximum concentration	53	µg/m^3
PM10 action level	150	µg/m^3

Notes:

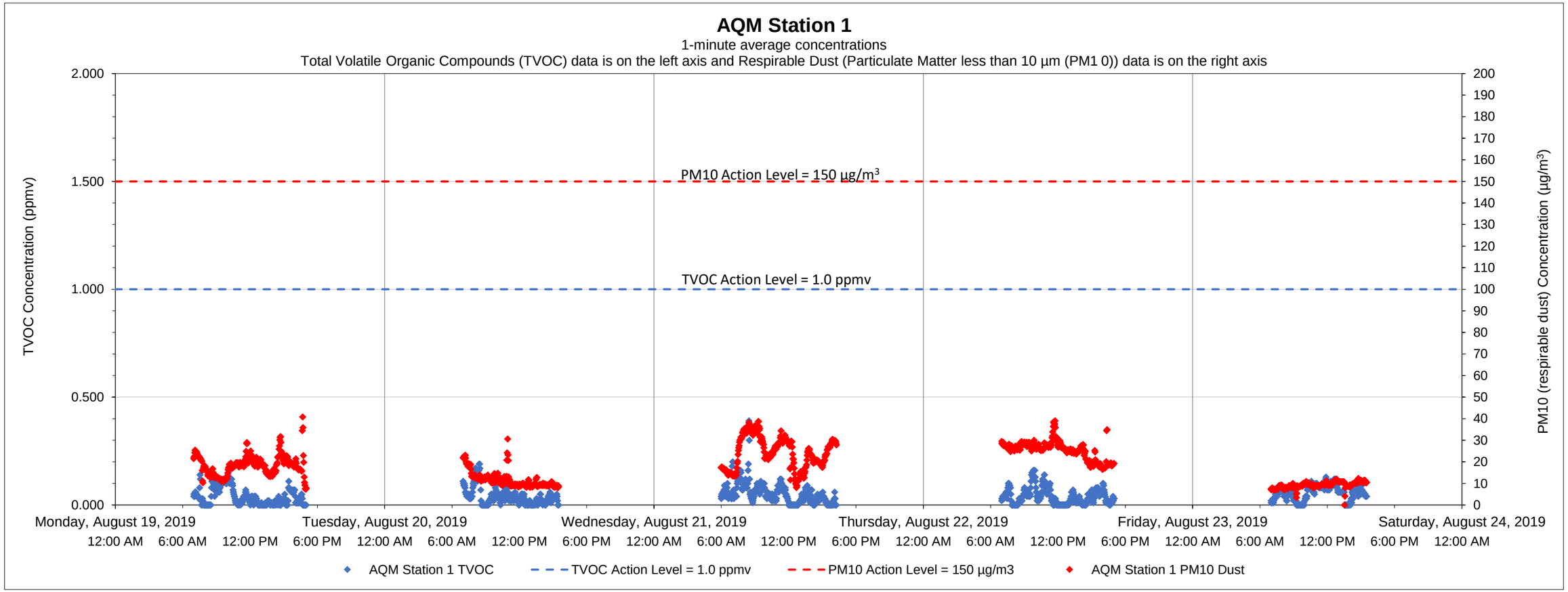
1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
8/23/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.39	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.18	µg/m^3
PM10 maximum concentration	40.86	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
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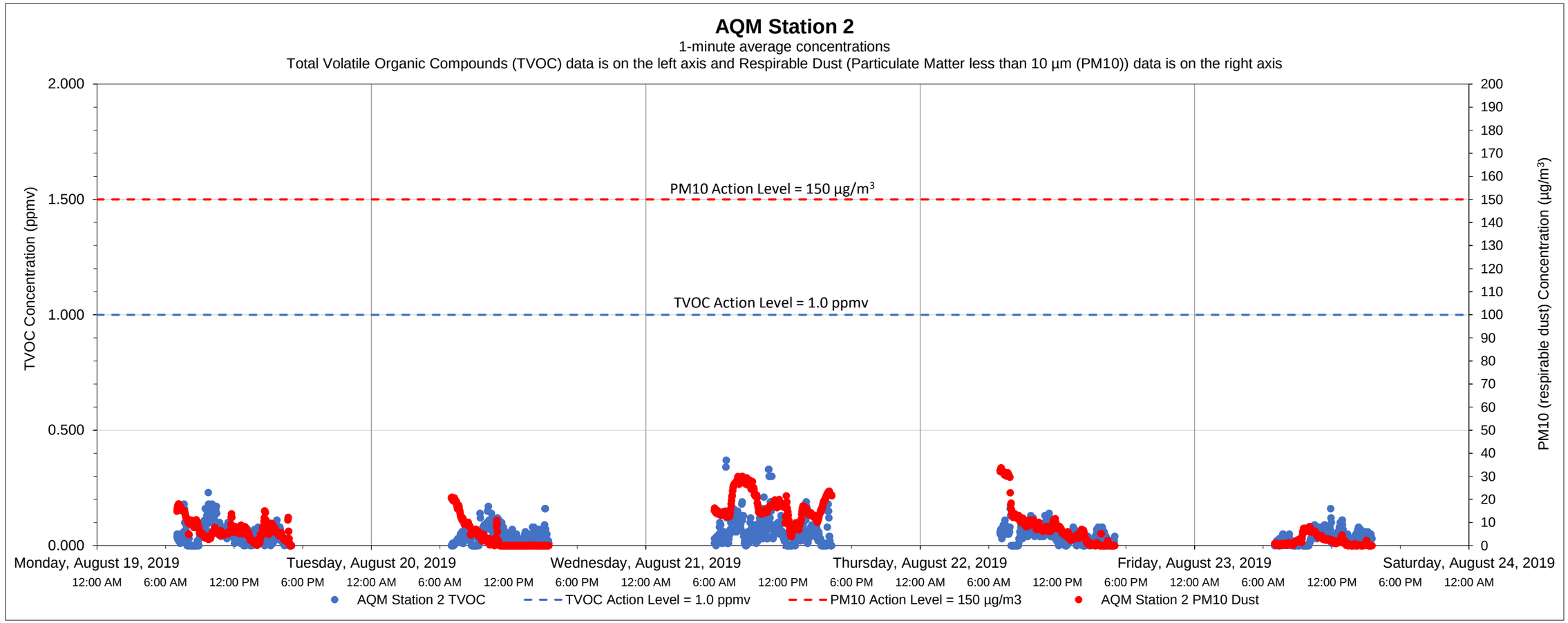

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.37	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.95	µg/m^3
PM10 maximum concentration	33.72	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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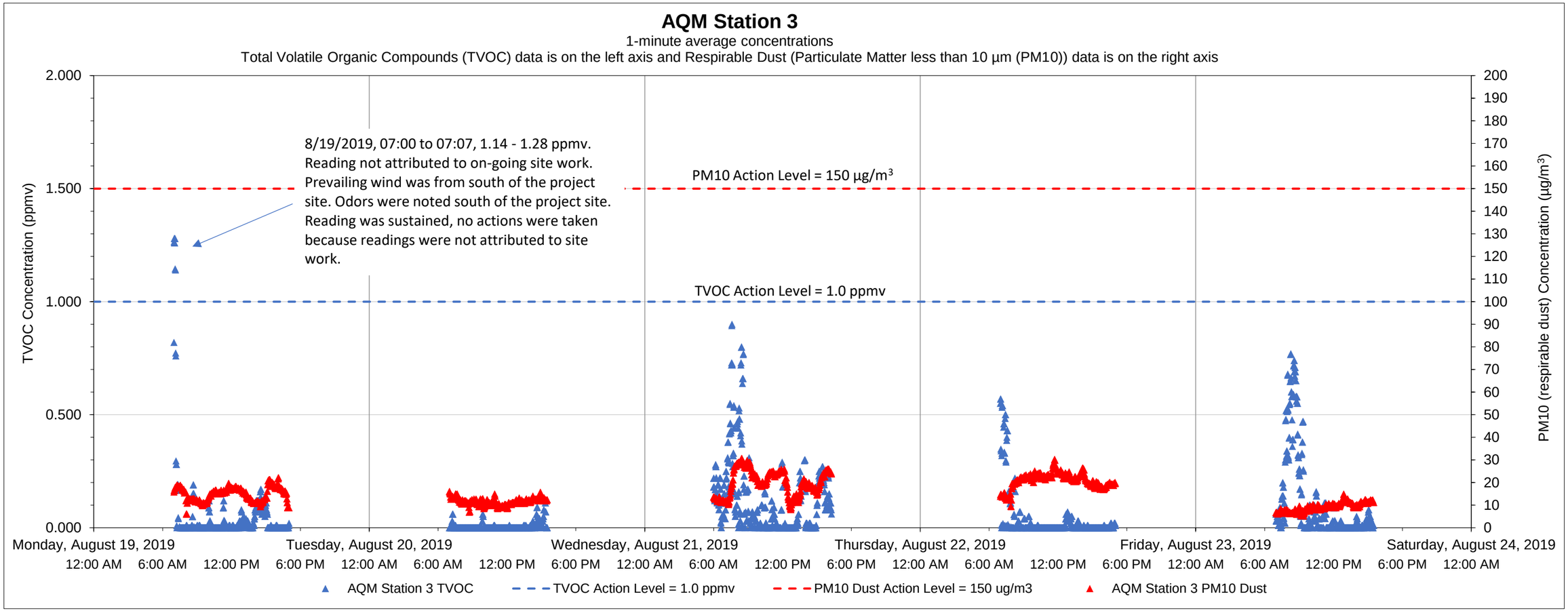

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
8/19/2019	7:00	TVOC	1.14 - 1.28 ppmv	No actions taken, readings were not attributed to ongoing site work

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.28	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.67	µg/m^3
PM10 maximum concentration	30.61	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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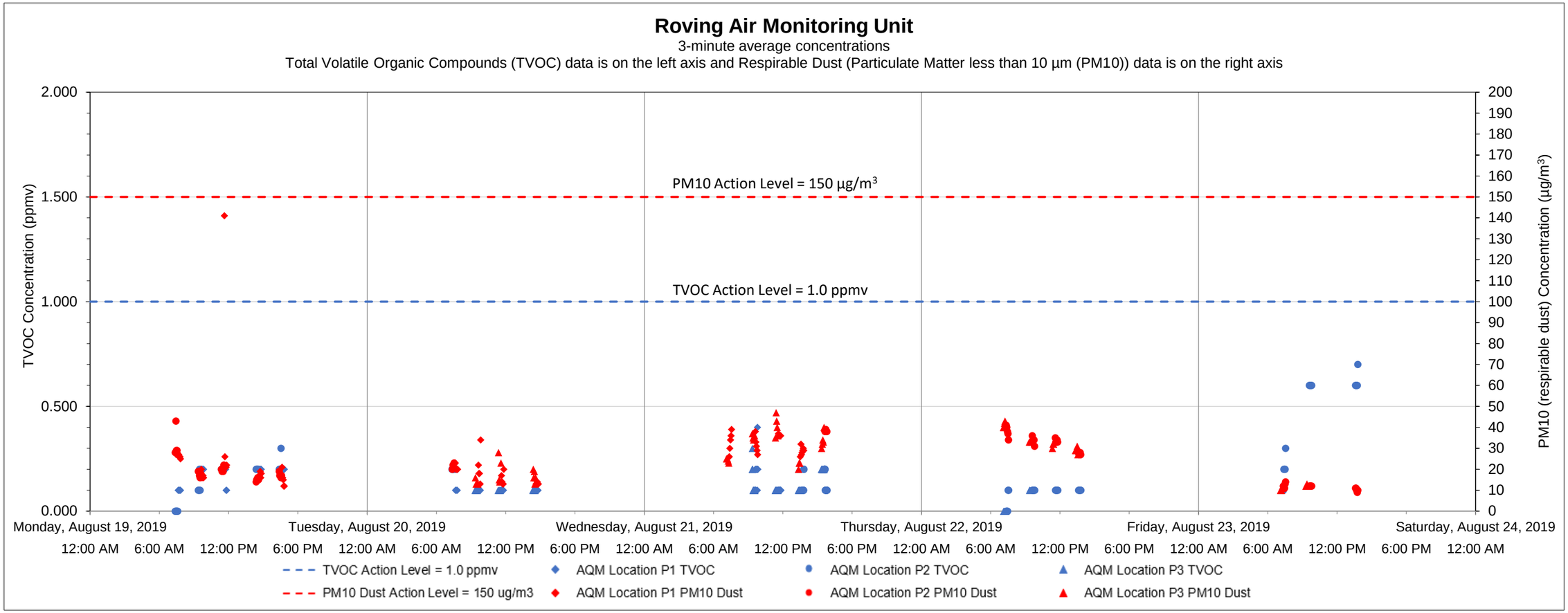
8/23/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.17	ppm
TVOCs maximum concentration	0.80	ppm
TVOCs action level	1	ppm
PM10 average concentration	23.59	µg/m^3
PM10 maximum concentration	141	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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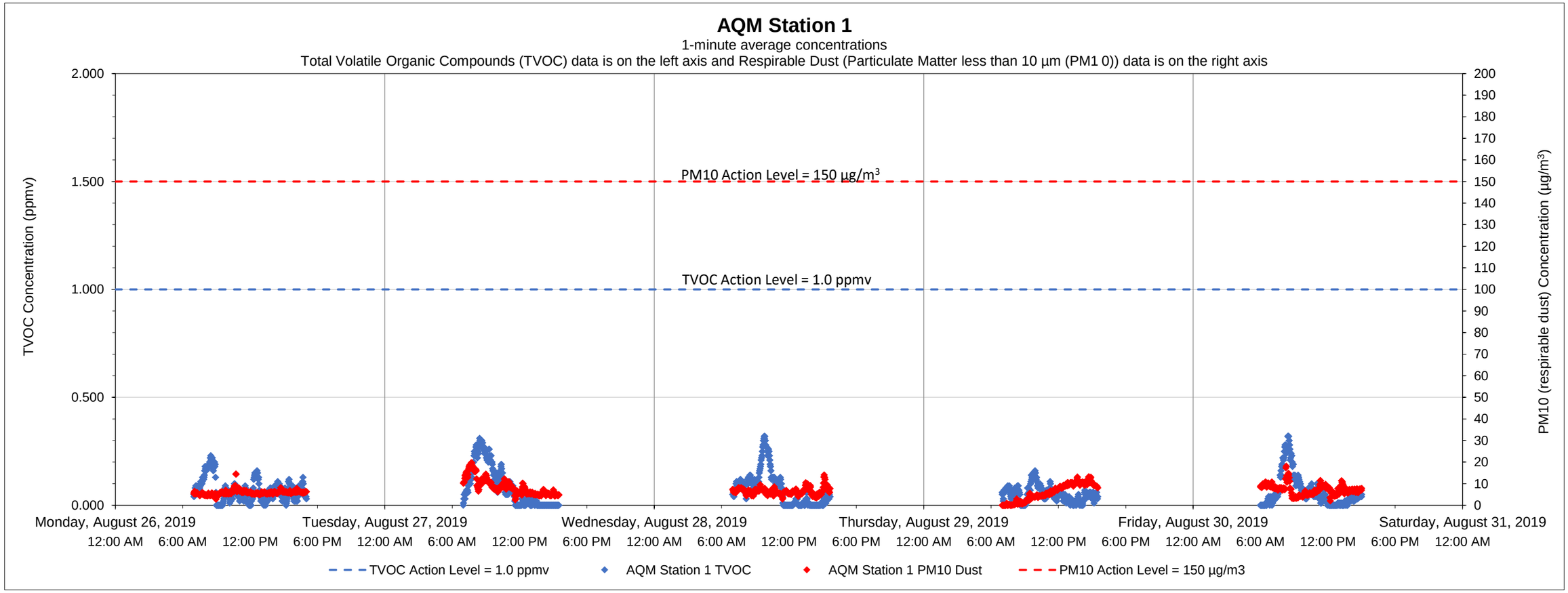
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
8/30/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.77	µg/m^3
PM10 maximum concentration	19.68	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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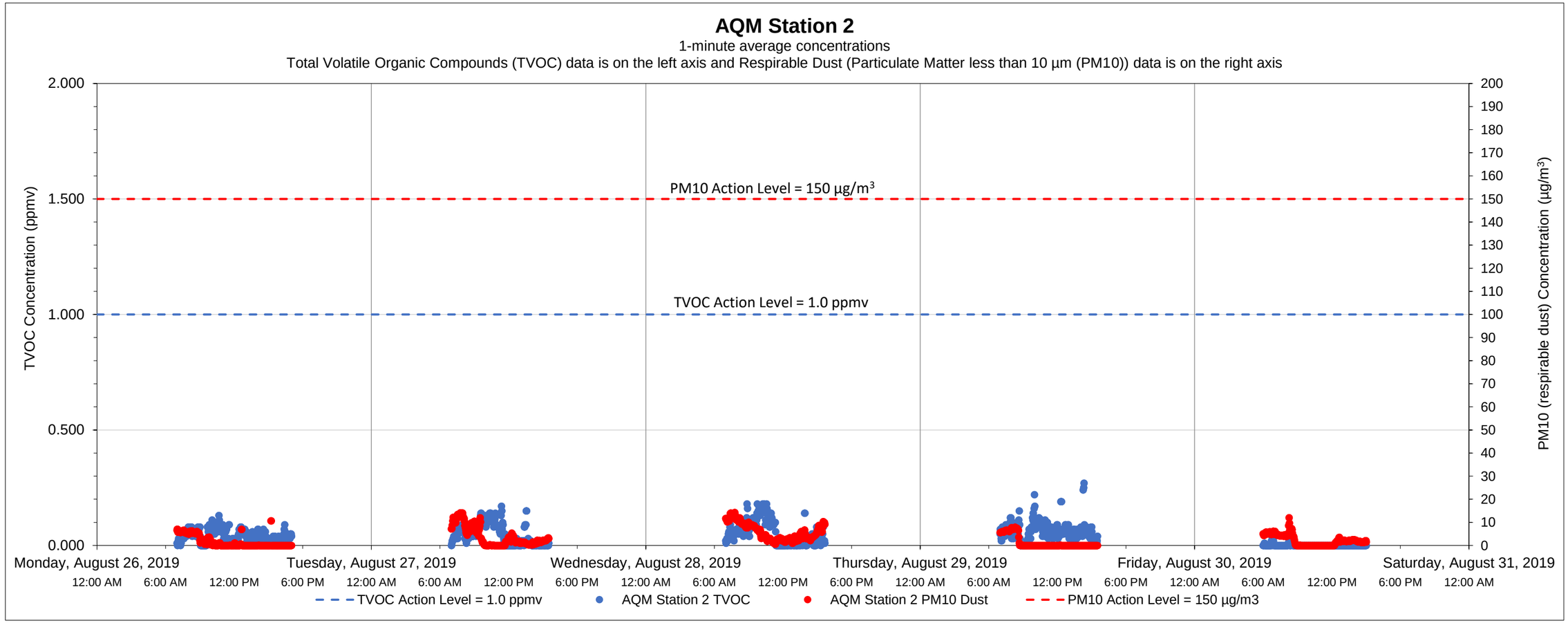

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.27	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.83	µg/m^3
PM10 maximum concentration	14.28	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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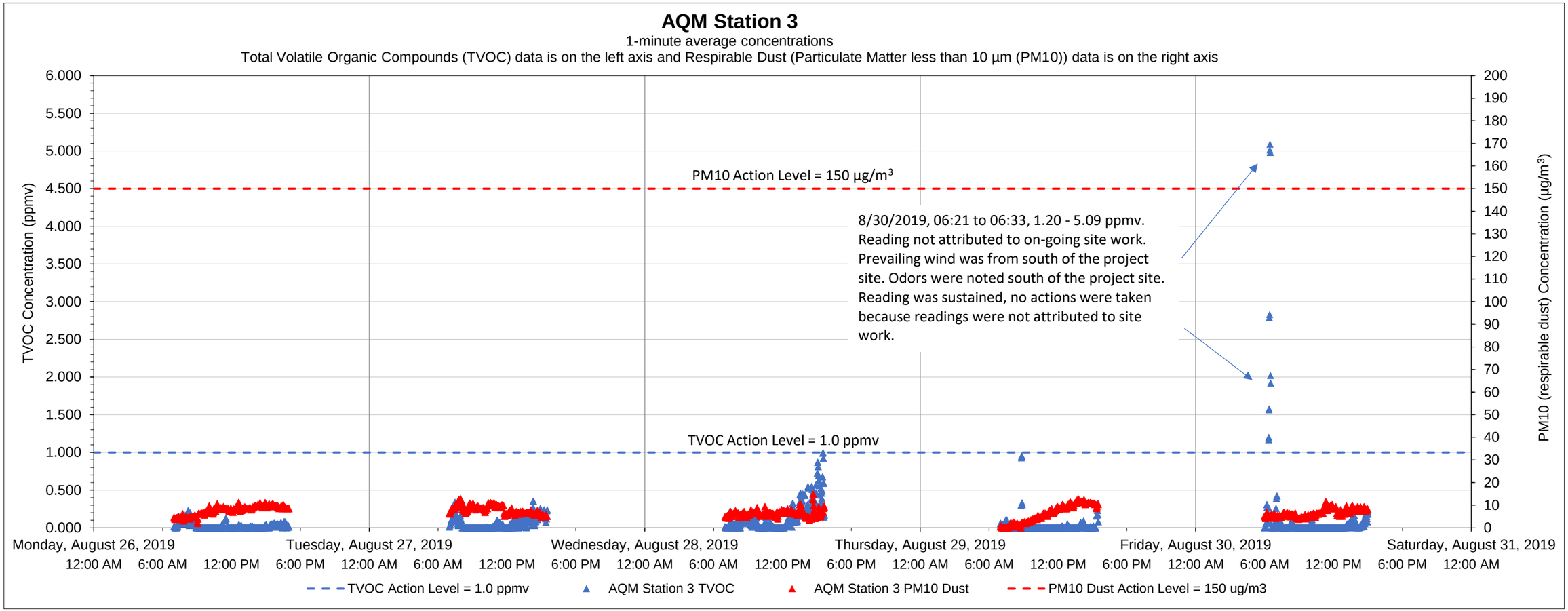

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
8/30/2019	6:21	TVOC	1.20 - 5.09 ppmv	No actions taken, readings were not attributed to ongoing site work

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	5.09	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.99	µg/m^3
PM10 maximum concentration	14.92	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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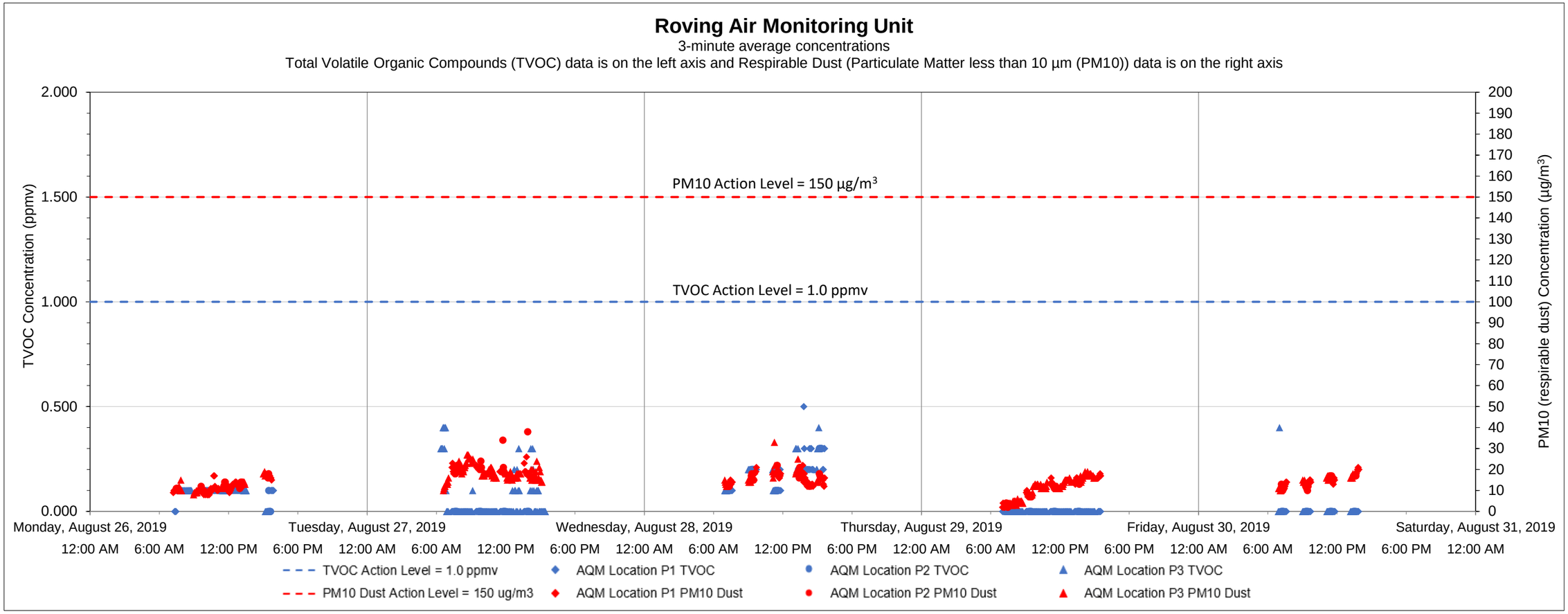
8/30/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.50	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.49	µg/m^3
PM10 maximum concentration	38	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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GZA Job No. 03.0033554.04
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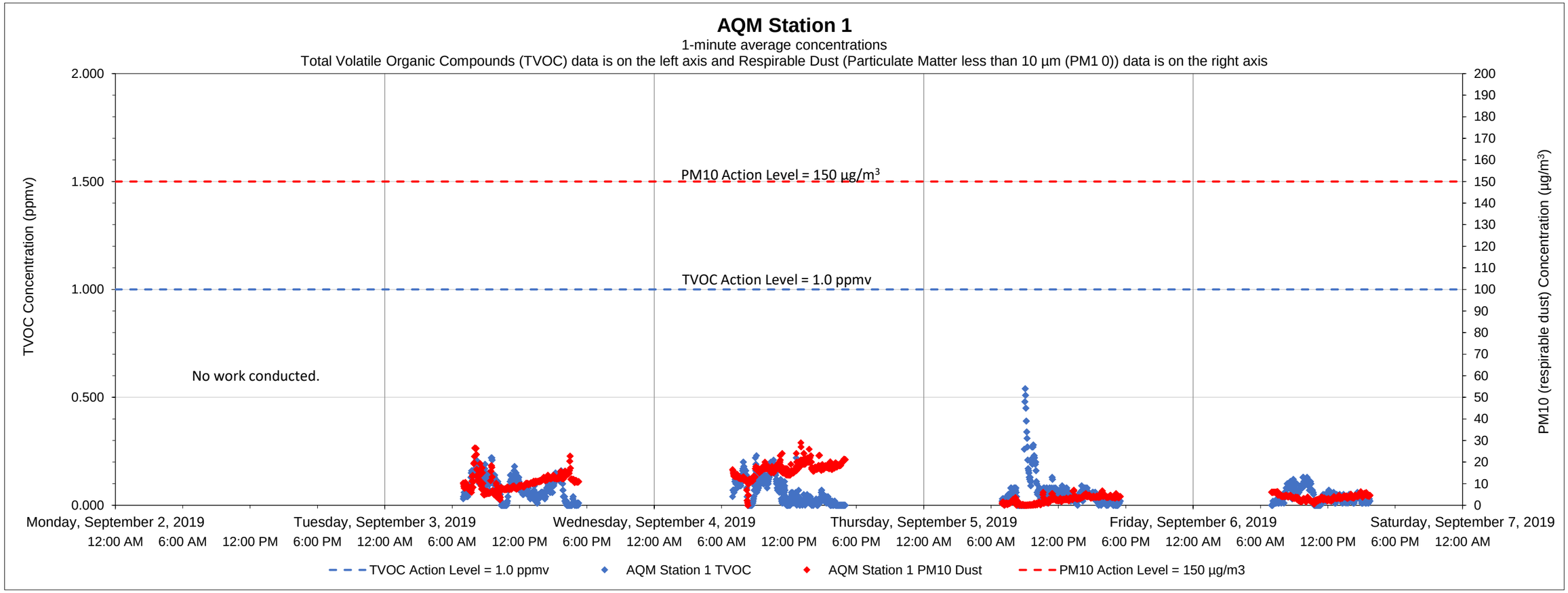

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.54	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.45	µg/m^3
PM10 maximum concentration	29.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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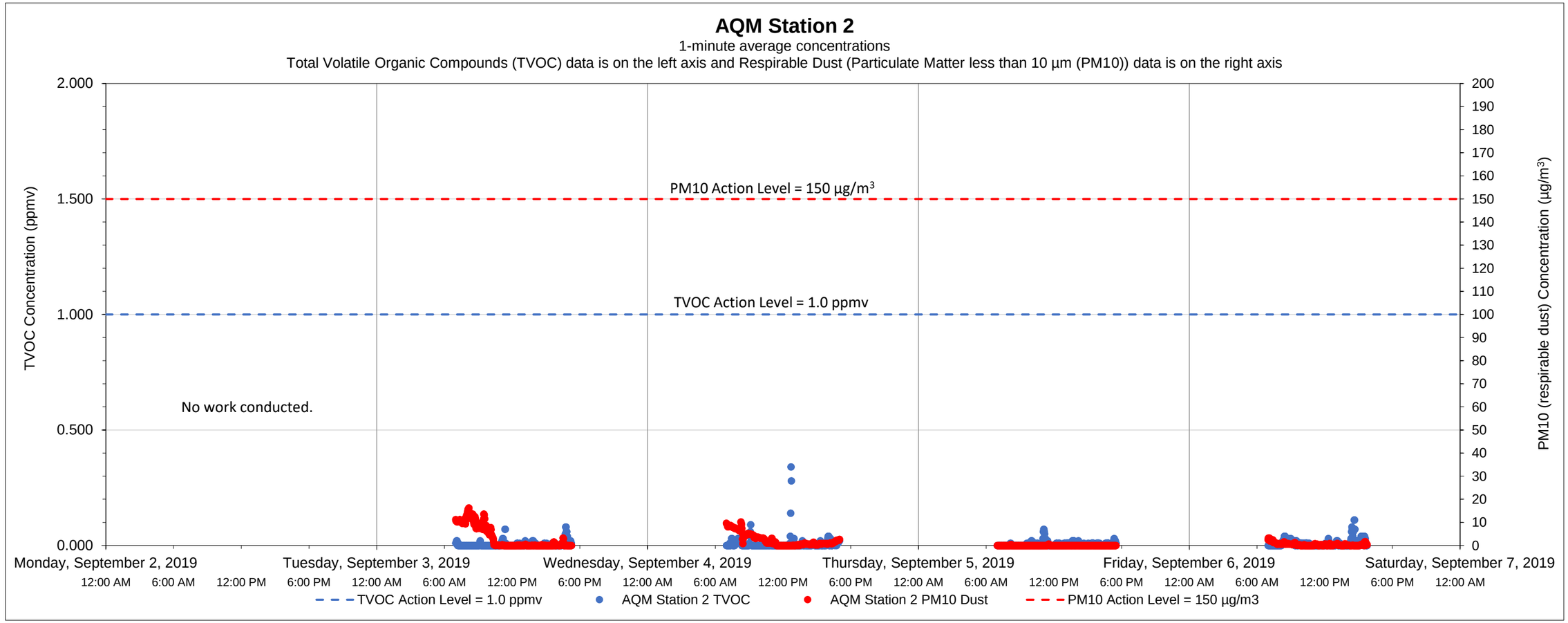

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.34	ppm
TVOCs action level	1	ppm
PM10 average concentration	1.52	µg/m^3
PM10 maximum concentration	16.24	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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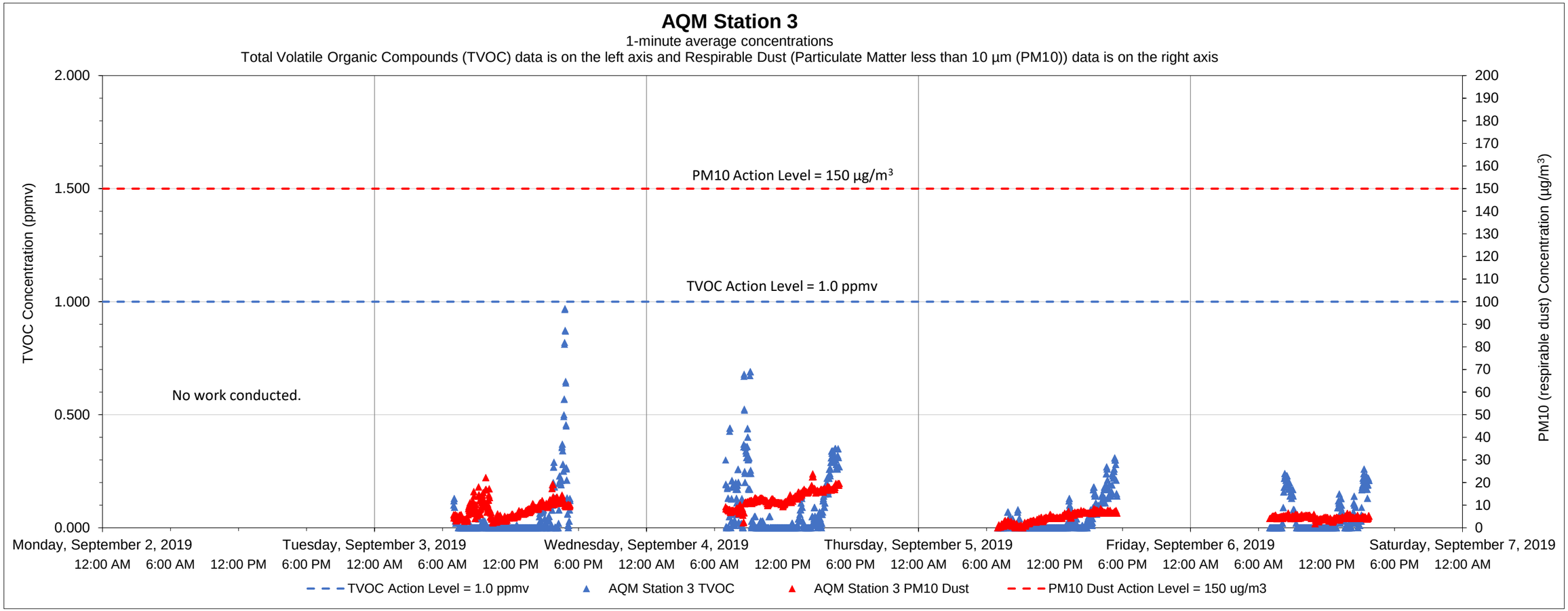

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.97	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.56	µg/m^3
PM10 maximum concentration	23.87	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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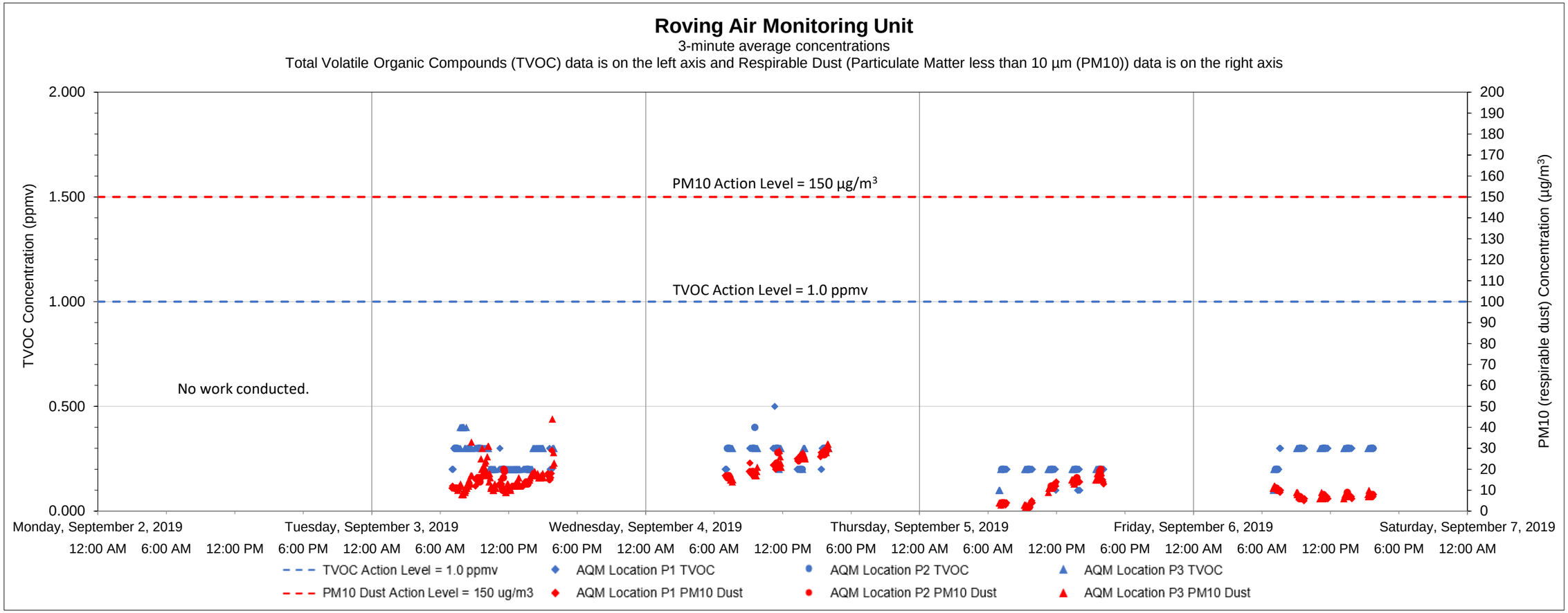

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.25	ppm
TVOCs maximum concentration	0.50	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.07	µg/m^3
PM10 maximum concentration	44	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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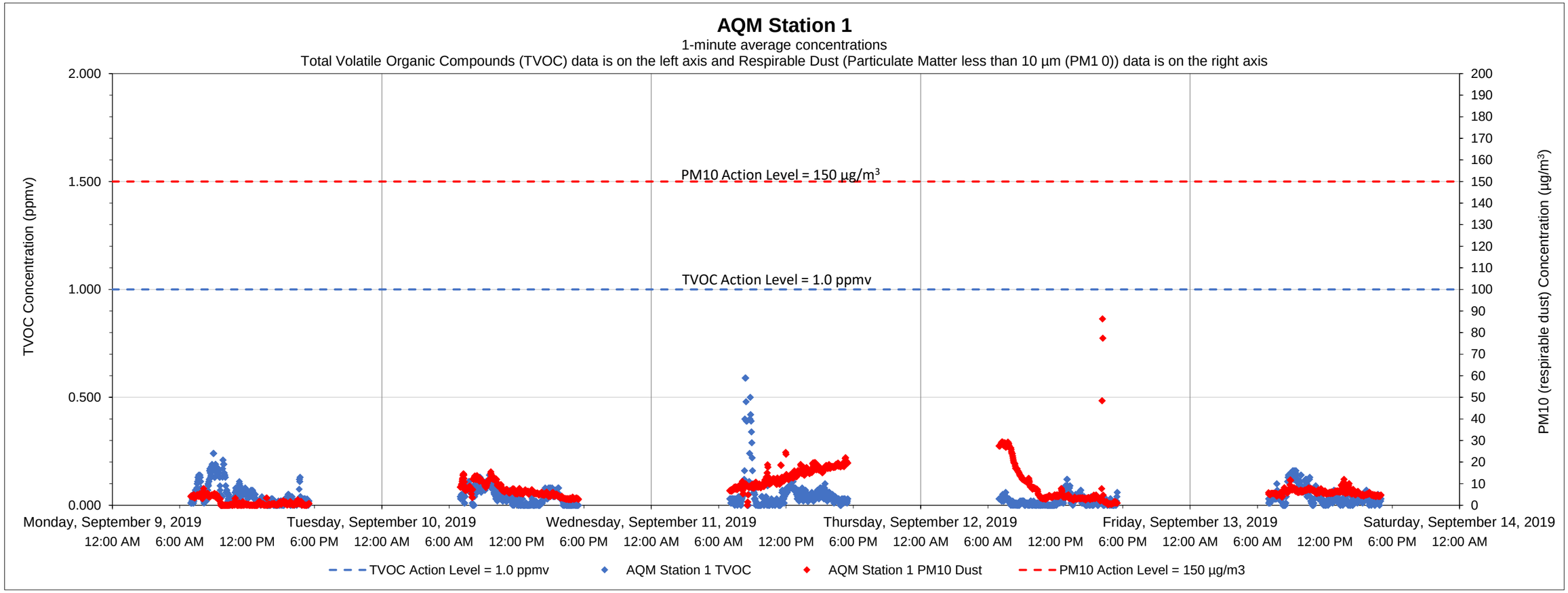

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.59	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.35	µg/m^3
PM10 maximum concentration	86.37	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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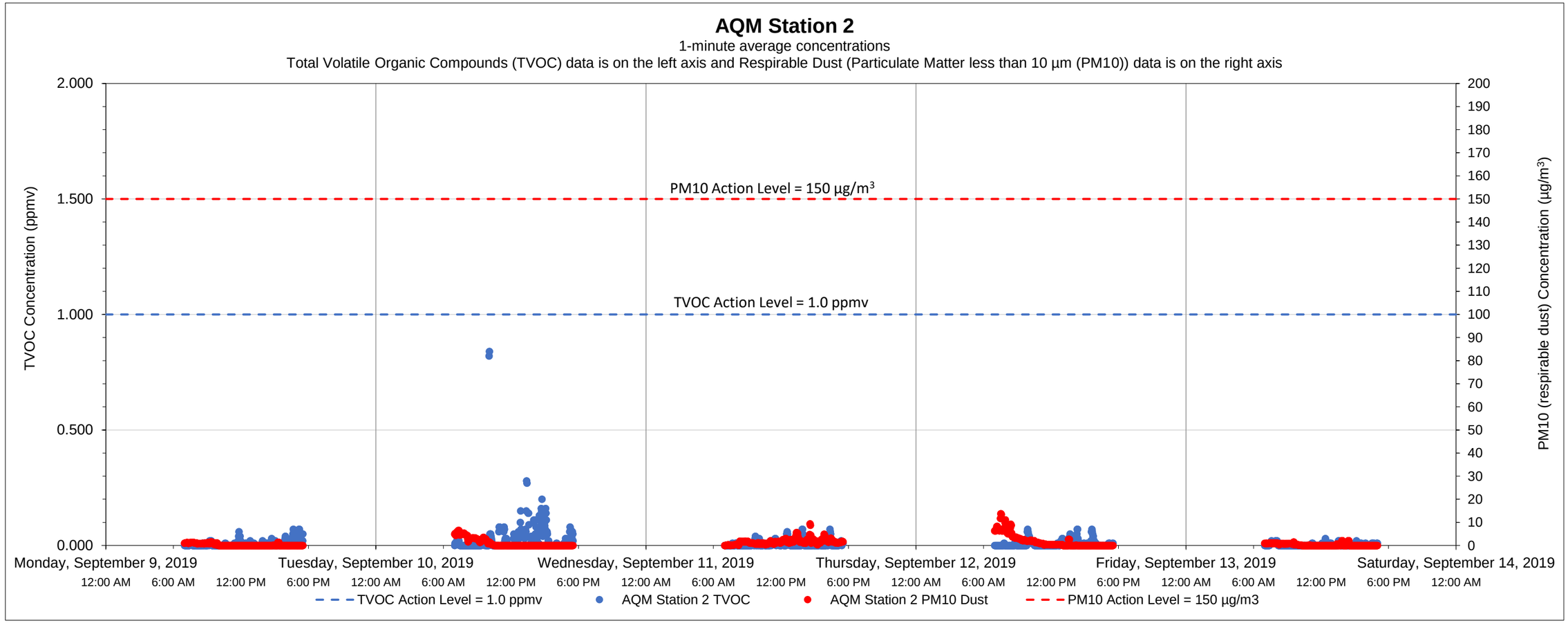

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.84	ppm
TVOCs action level	1	ppm
PM10 average concentration	0.99	µg/m^3
PM10 maximum concentration	13.76	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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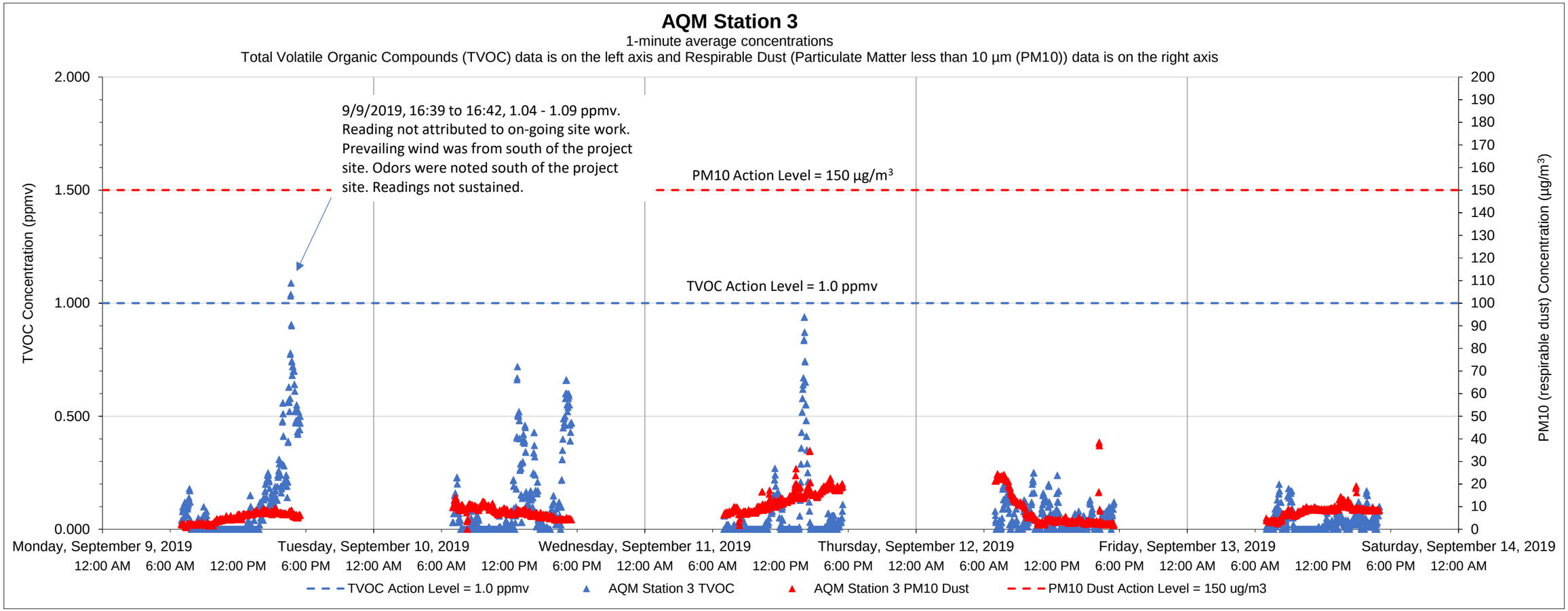

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	1.09	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.24	µg/m^3
PM10 maximum concentration	38.61	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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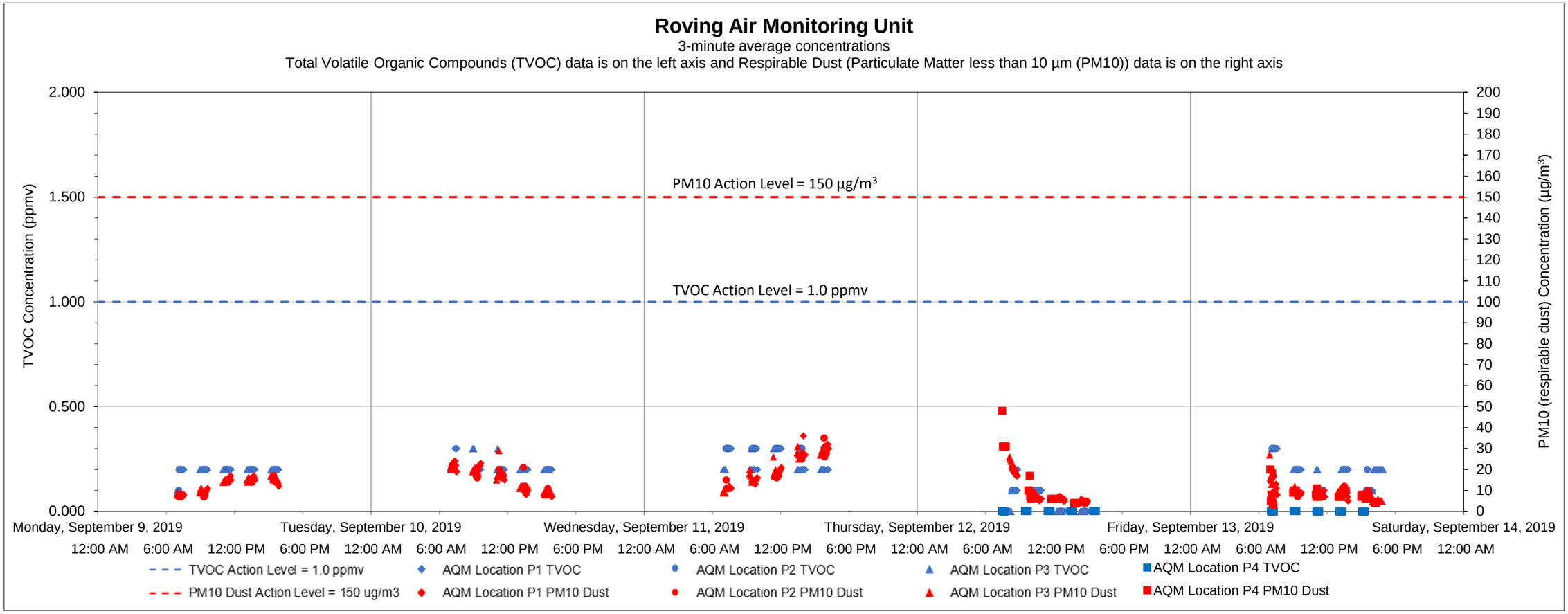

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.14	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.96	µg/m^3
PM10 maximum concentration	48	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

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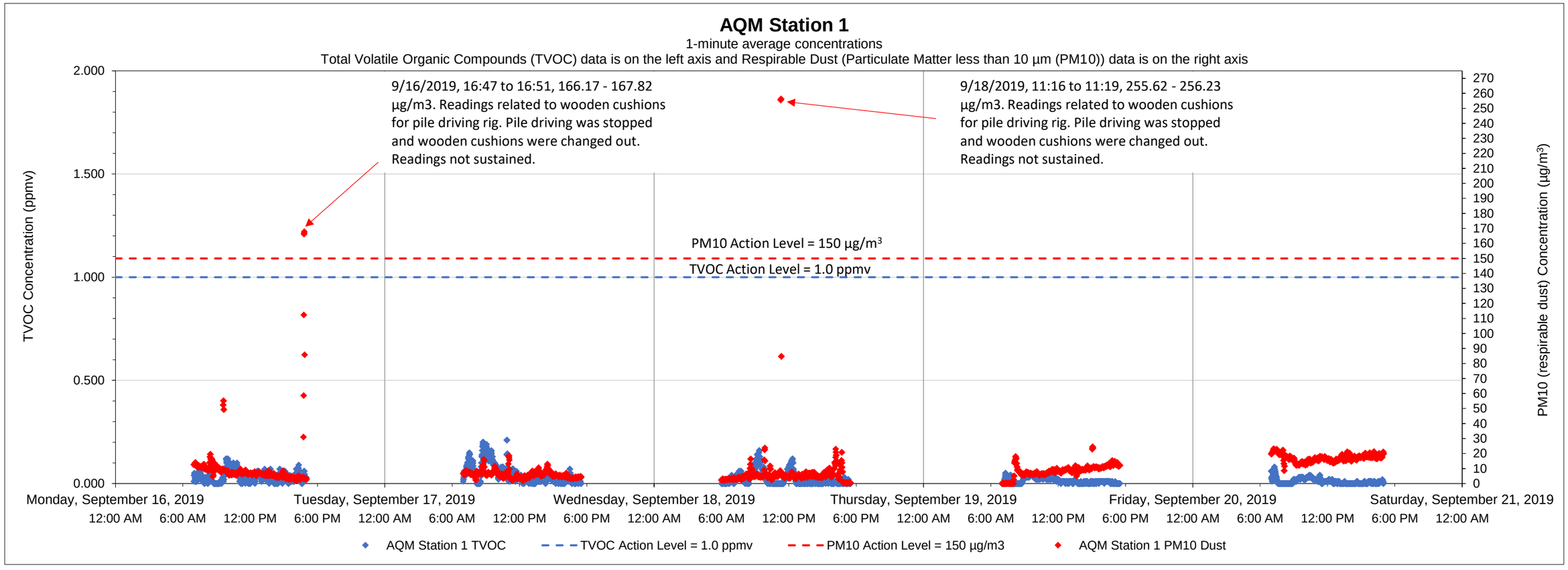
9/20/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.21	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.31	µg/m^3
PM10 maximum concentration	256.23	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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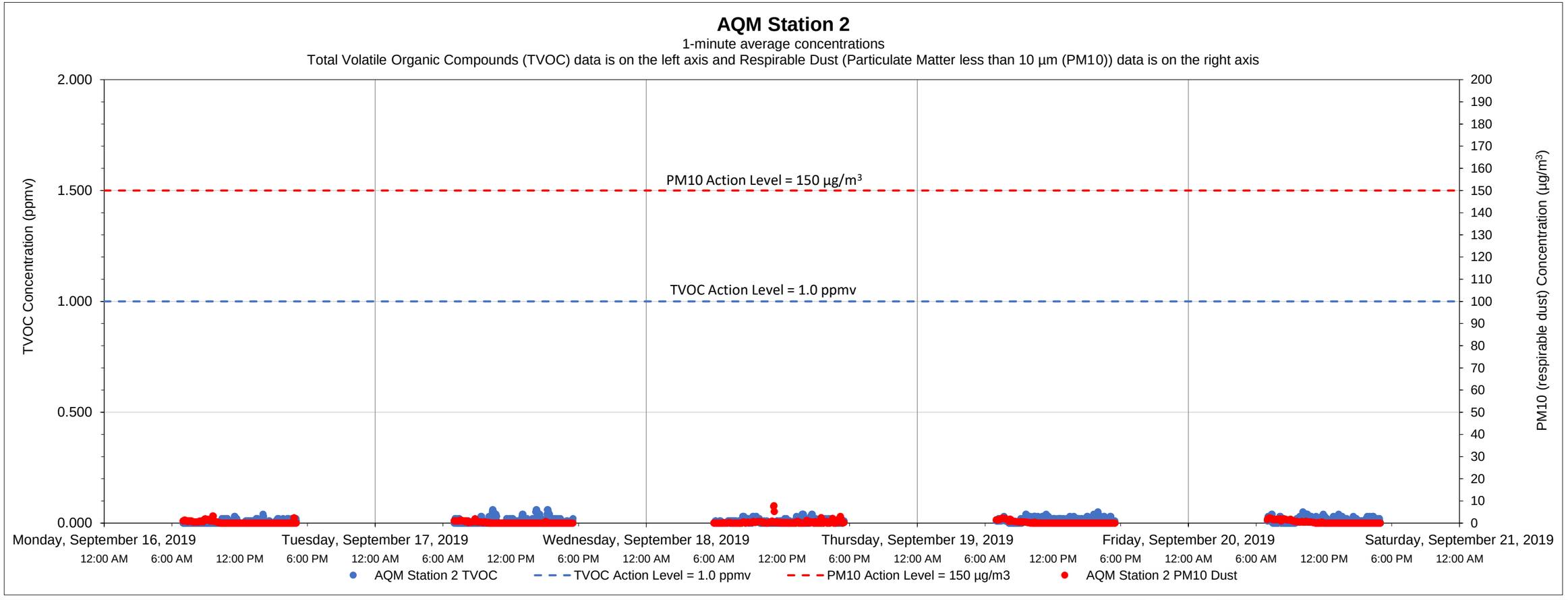
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
9/20/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.06	ppm
TVOCs action level	1	ppm
PM10 average concentration	0.32	µg/m^3
PM10 maximum concentration	7.78	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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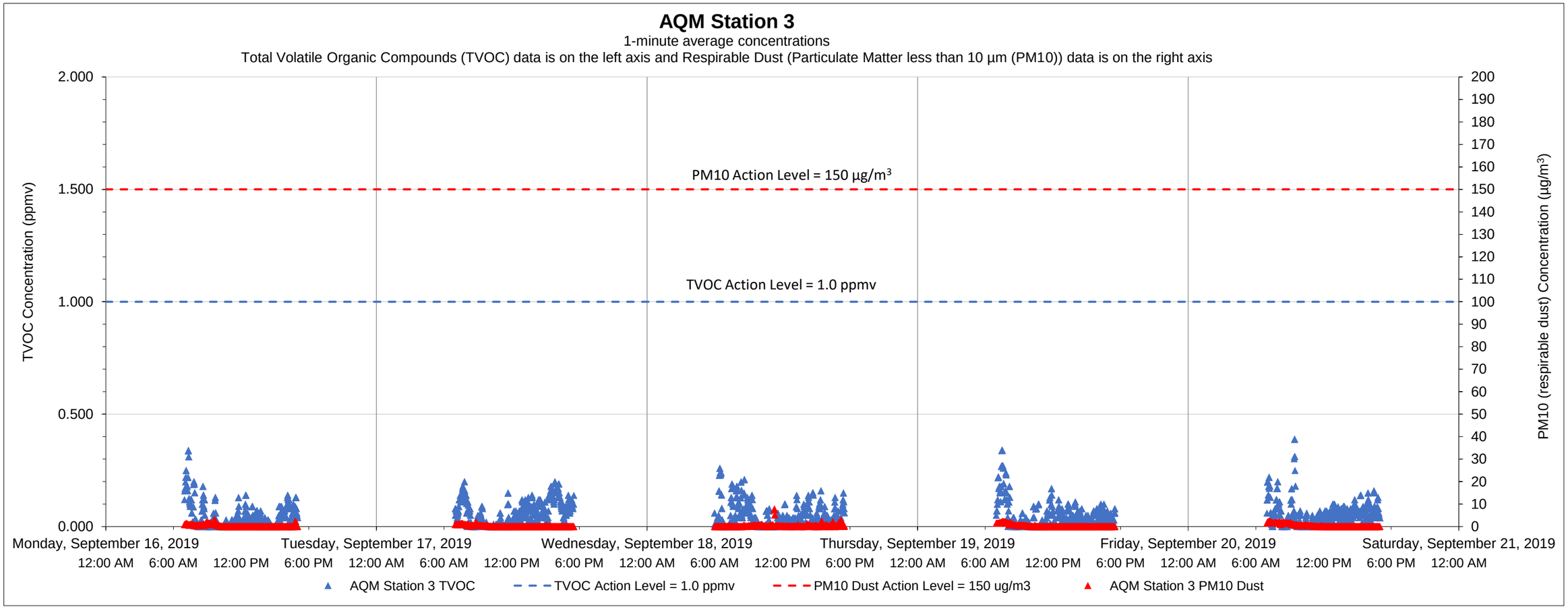

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.39	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.04	µg/m^3
PM10 maximum concentration	24.11	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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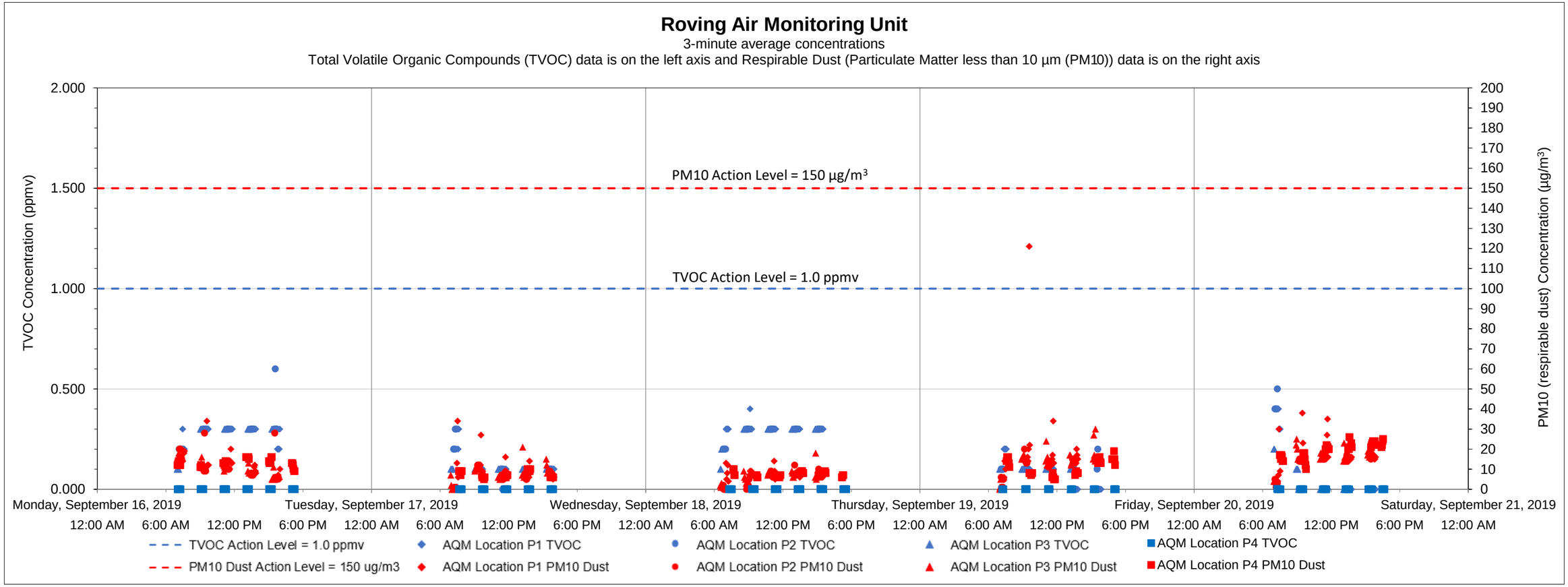

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.13	ppm
TVOCs maximum concentration	0.60	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.68	µg/m^3
PM10 maximum concentration	121	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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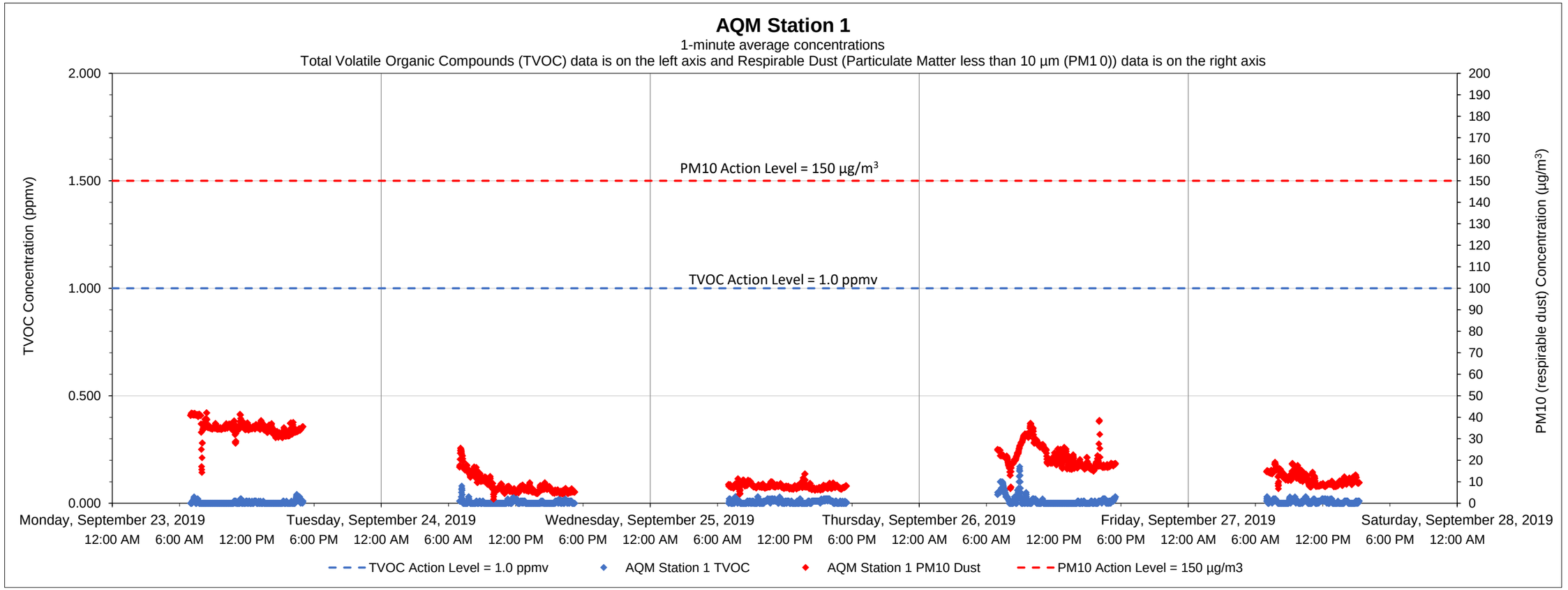

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.17	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.93	µg/m^3
PM10 maximum concentration	42.12	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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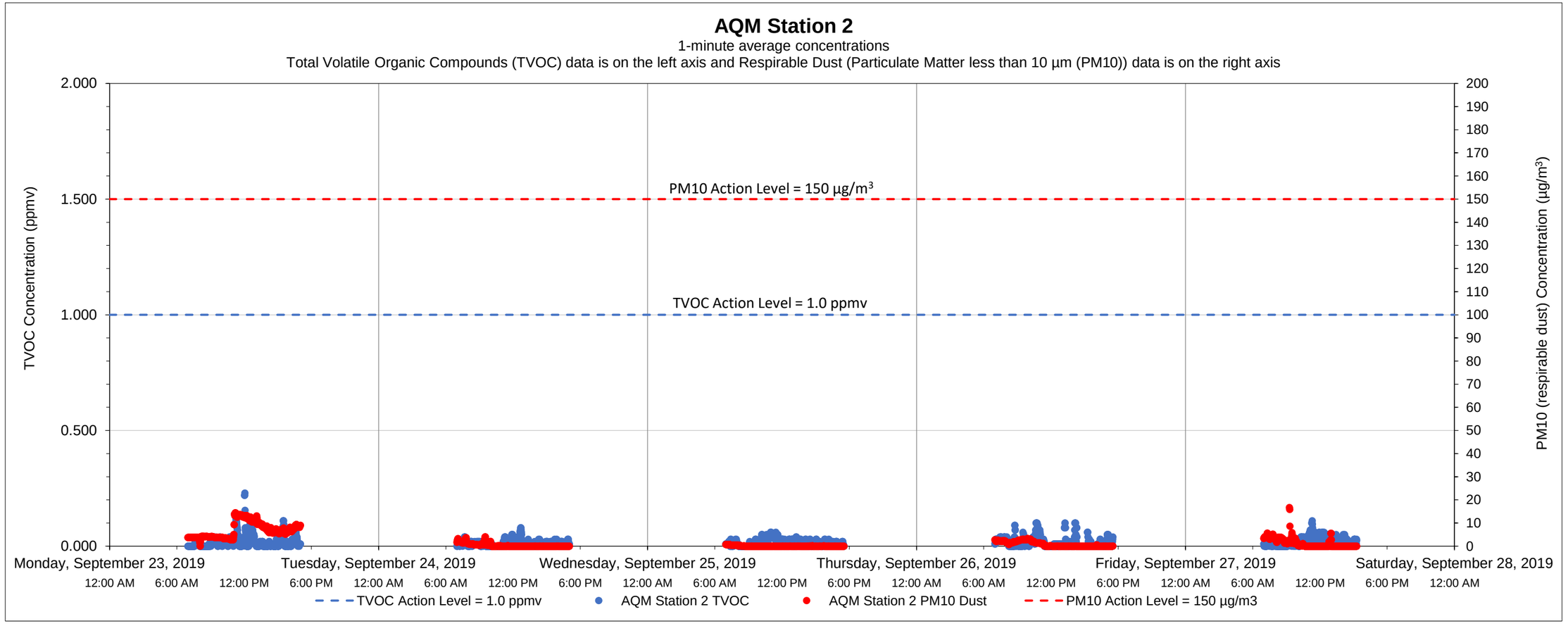

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.23	ppm
TVOCs action level	1	ppm
PM10 average concentration	1.90	µg/m^3
PM10 maximum concentration	16.72	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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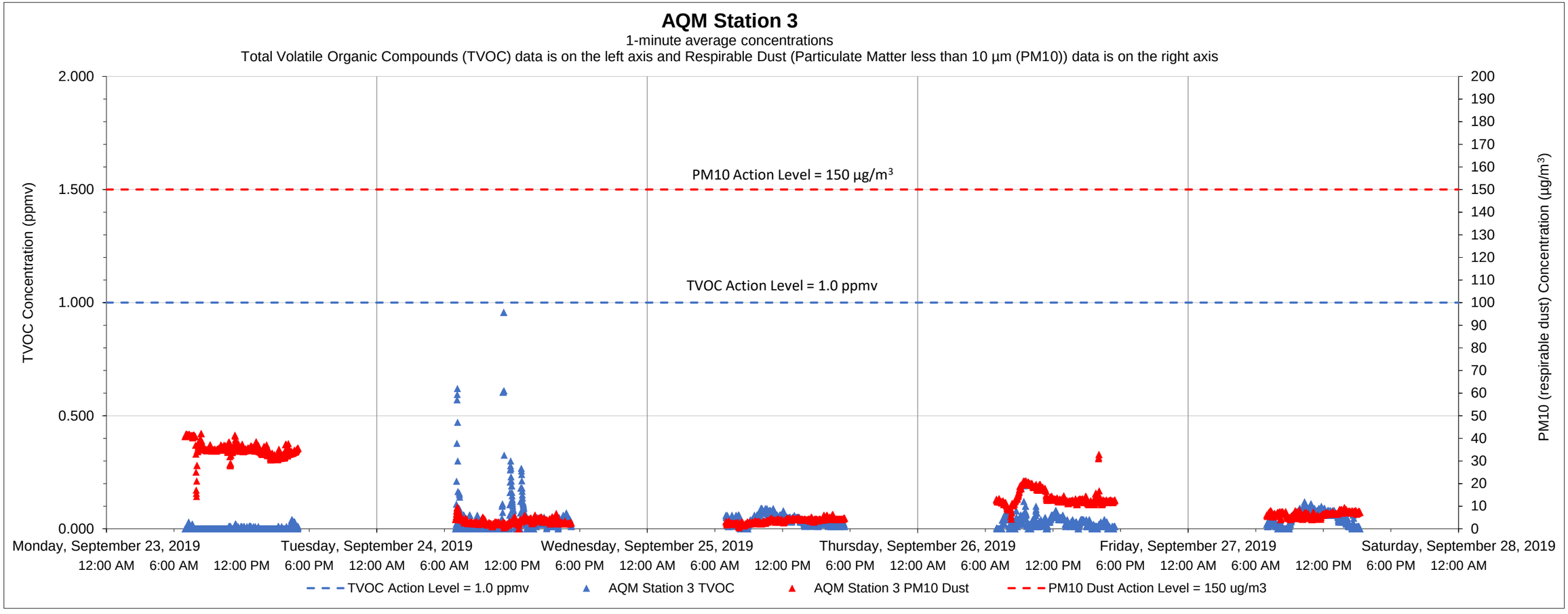

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.96	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.53	µg/m^3
PM10 maximum concentration	42.12	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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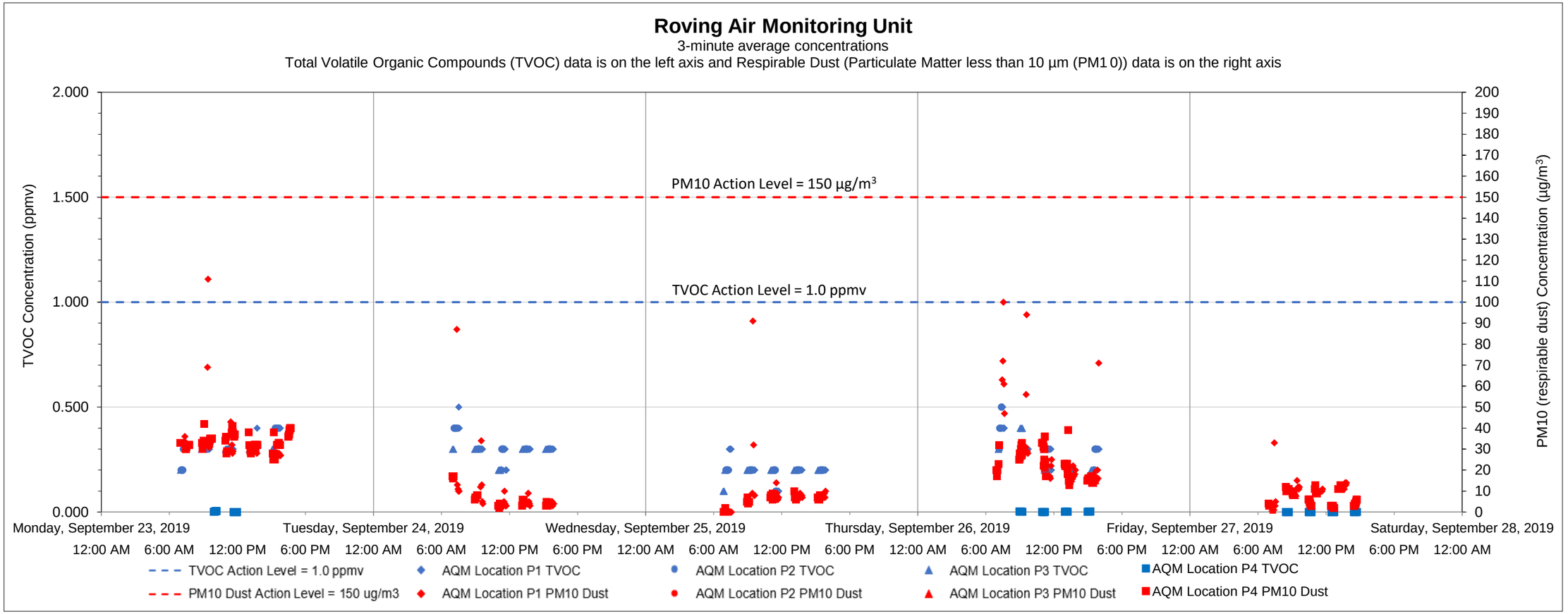

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.24	ppm
TVOCs maximum concentration	0.50	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.55	µg/m^3
PM10 maximum concentration	111	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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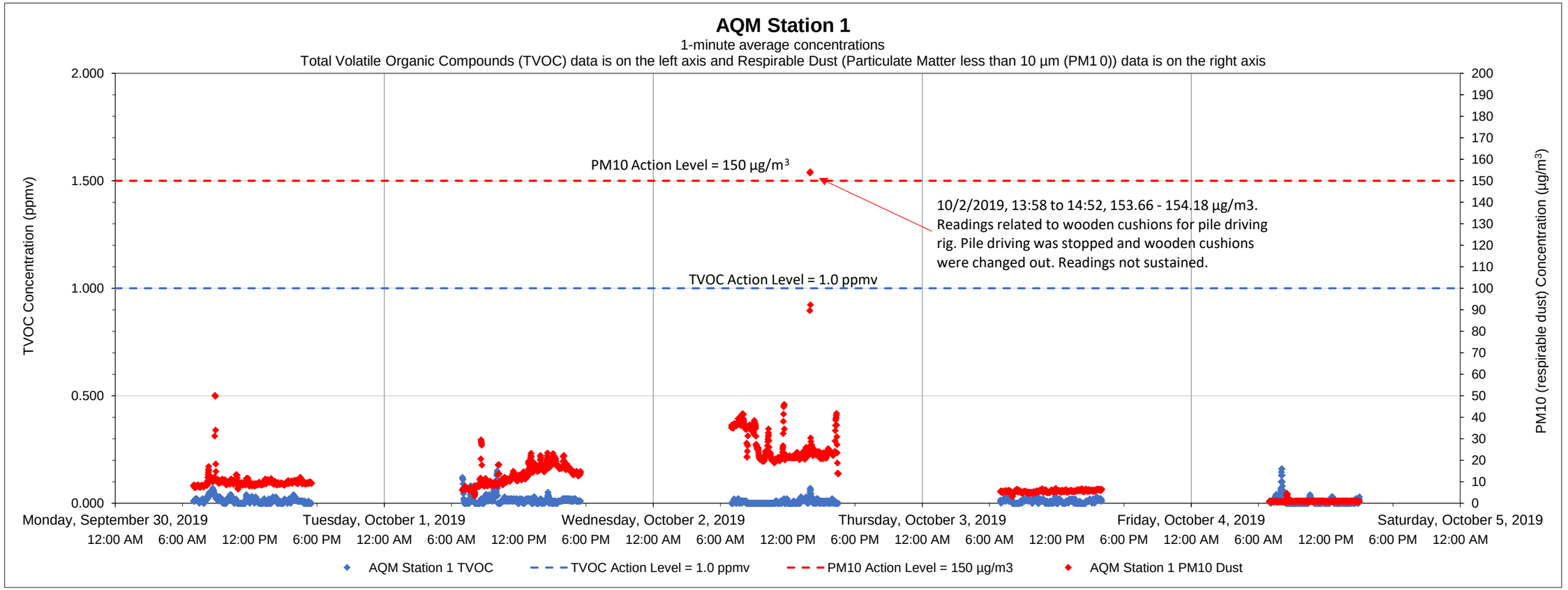
GZA Job No. 03.0033554.04
10/7/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.16	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.66	µg/m^3
PM10 maximum concentration	154.18	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
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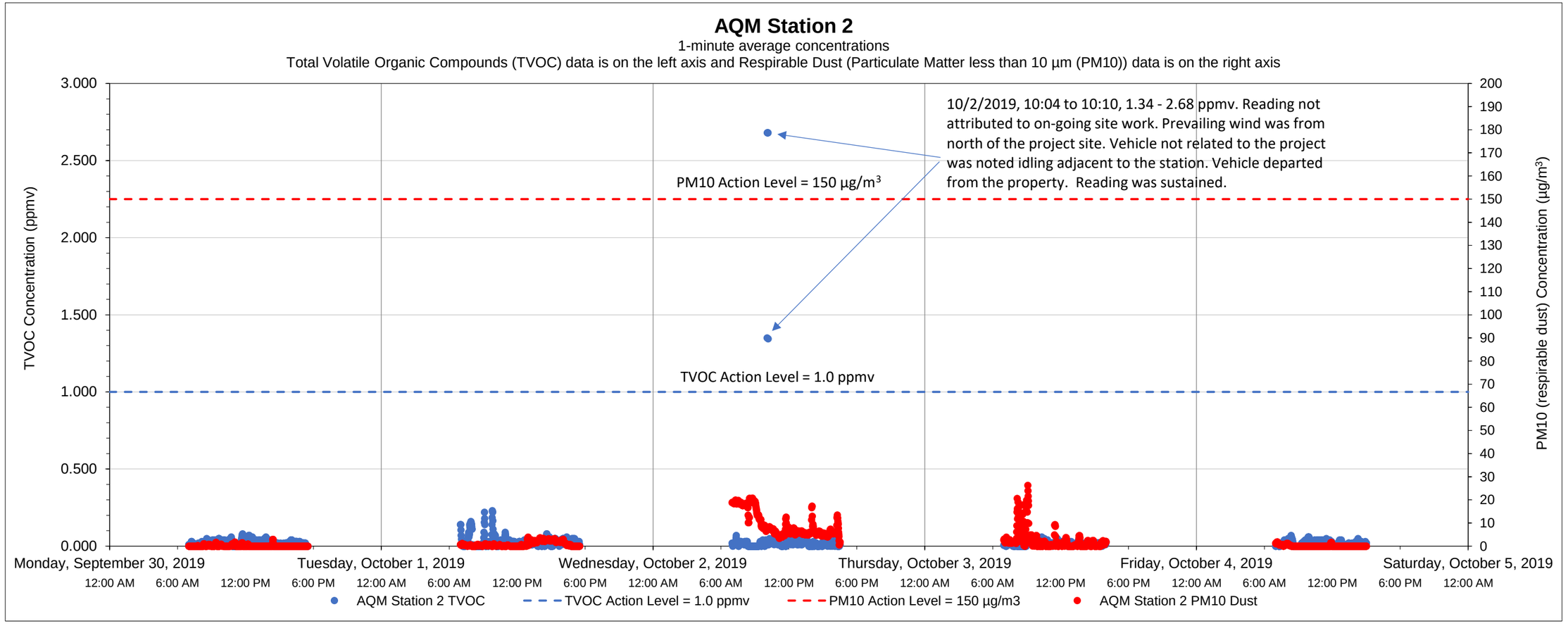

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	2.68	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.51	µg/m^3
PM10 maximum concentration	26.28	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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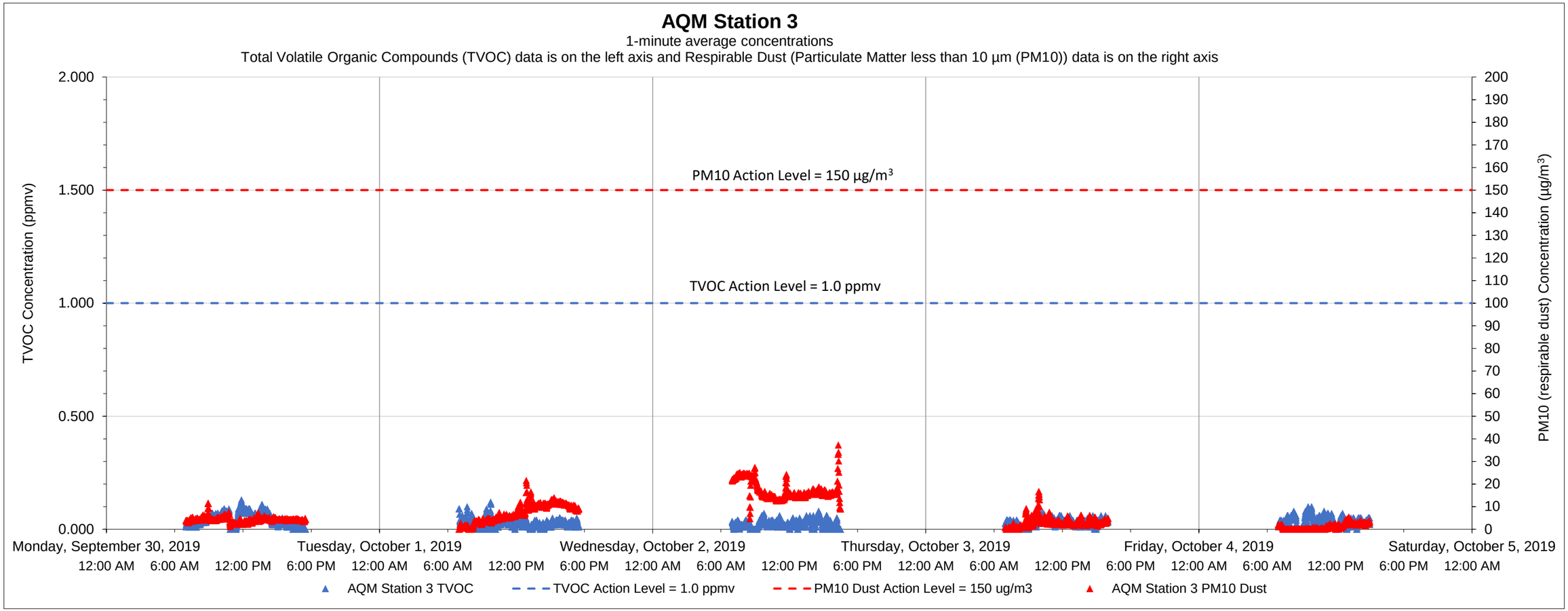

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.13	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.80	µg/m^3
PM10 maximum concentration	37.27	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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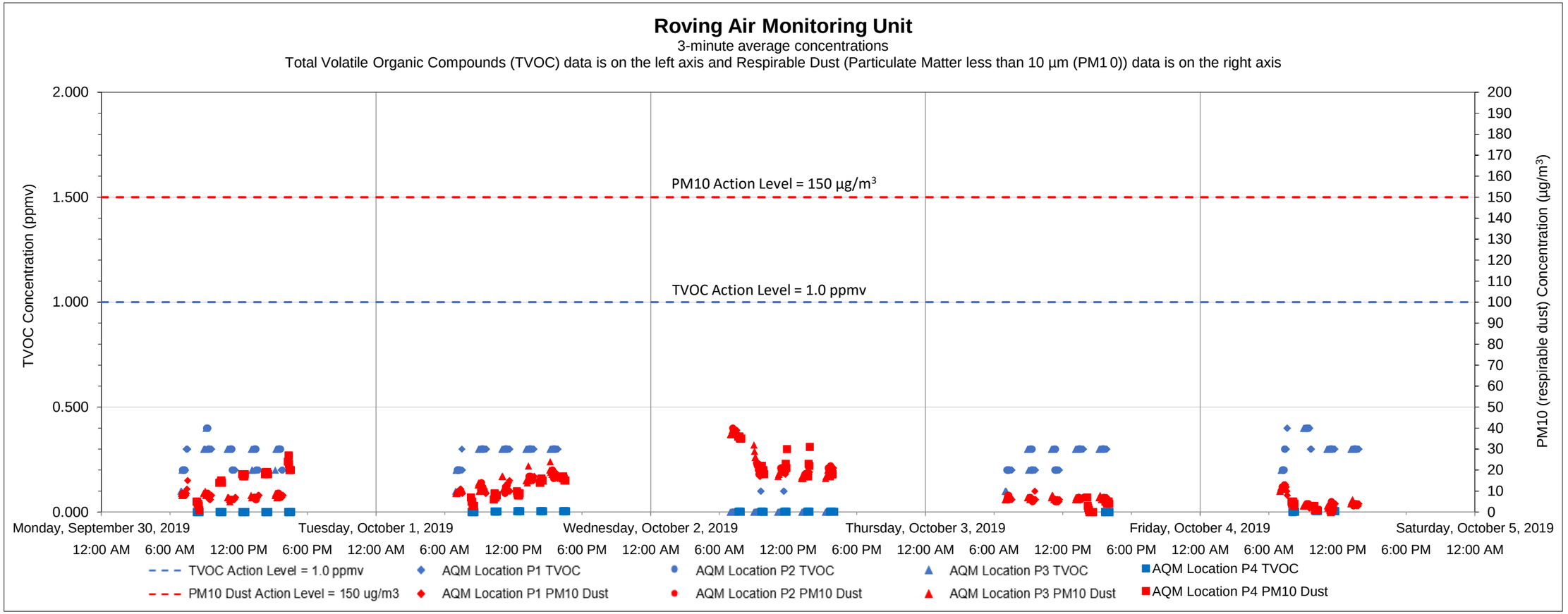

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.21	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.07	µg/m³
PM10 maximum concentration	40	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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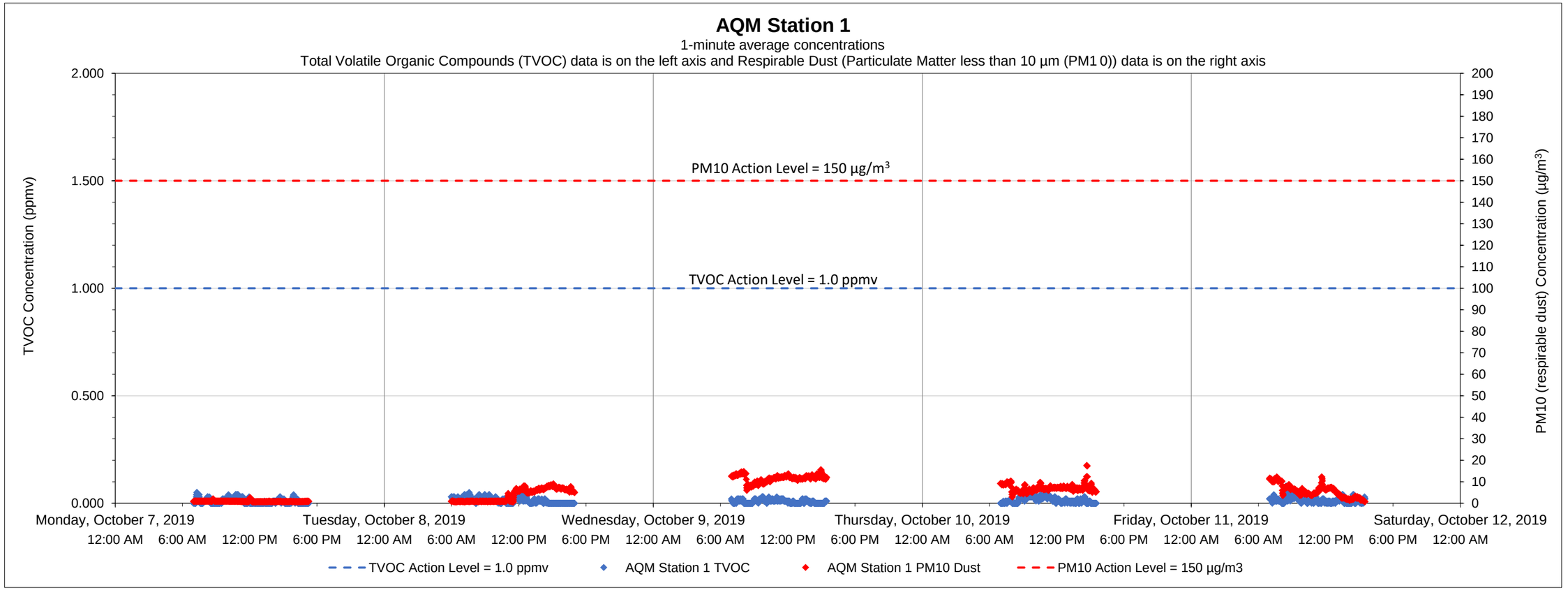

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.08	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.44	µg/m^3
PM10 maximum concentration	17.61	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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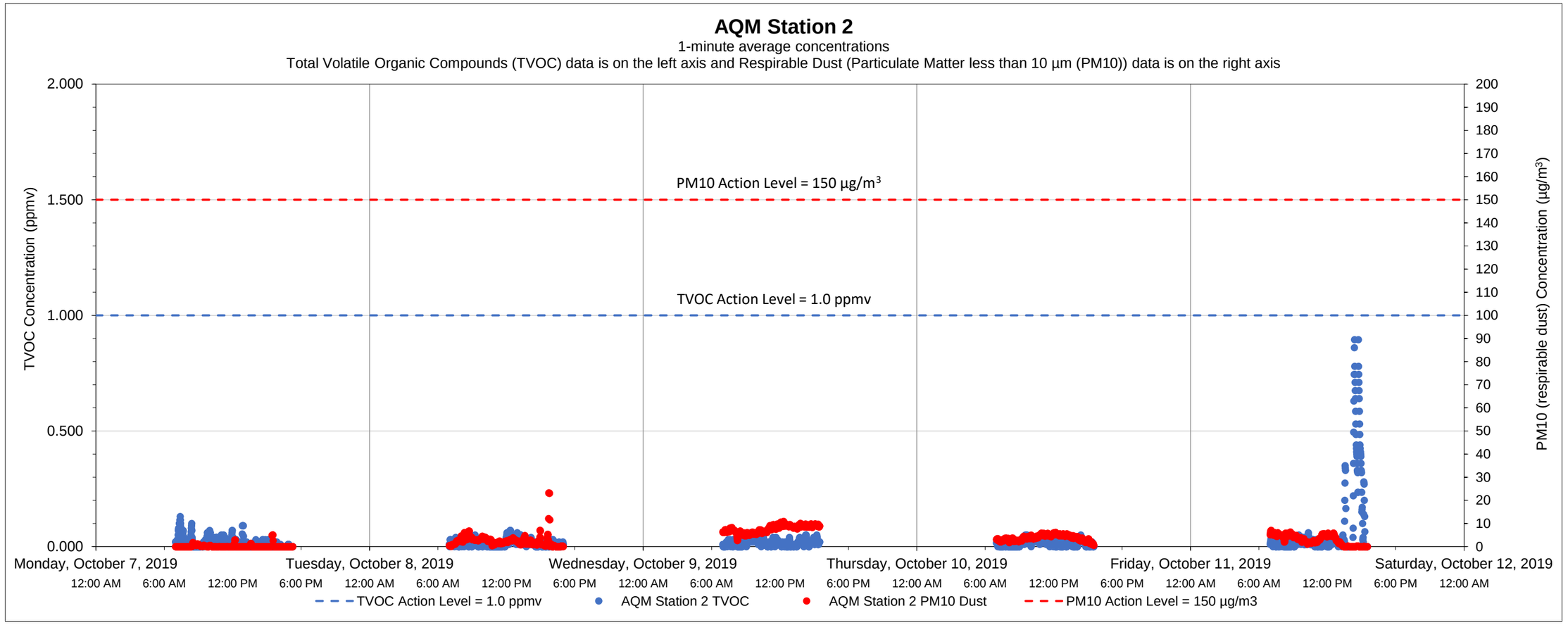

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.89	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.17	µg/m^3
PM10 maximum concentration	23.22	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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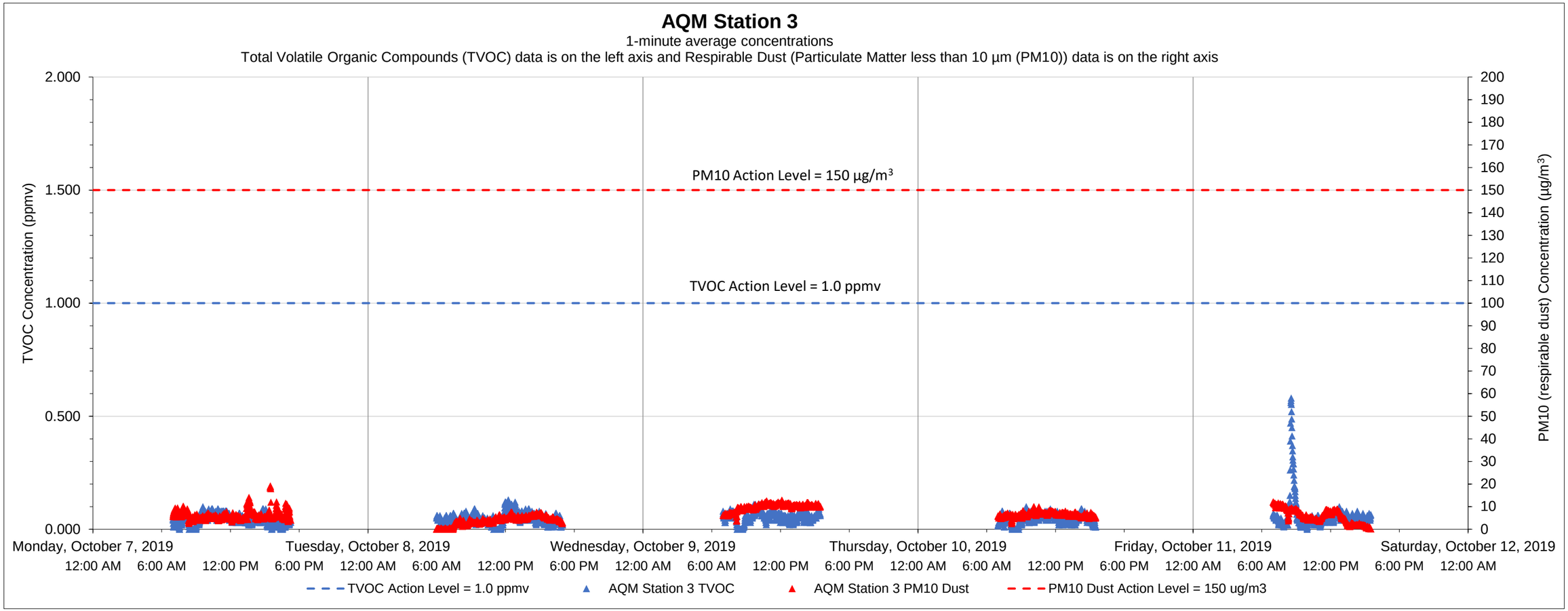

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.58	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.31	µg/m^3
PM10 maximum concentration	19.17	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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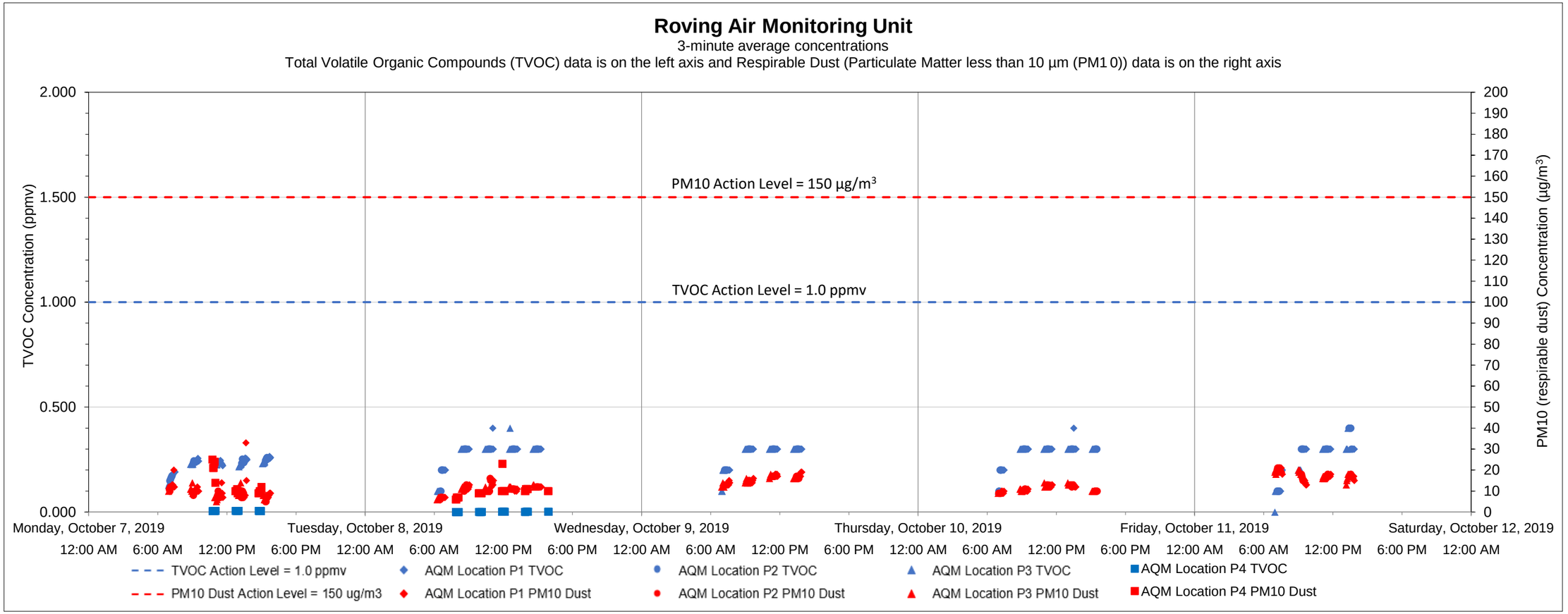

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.27	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.46	µg/m^3
PM10 maximum concentration	33	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

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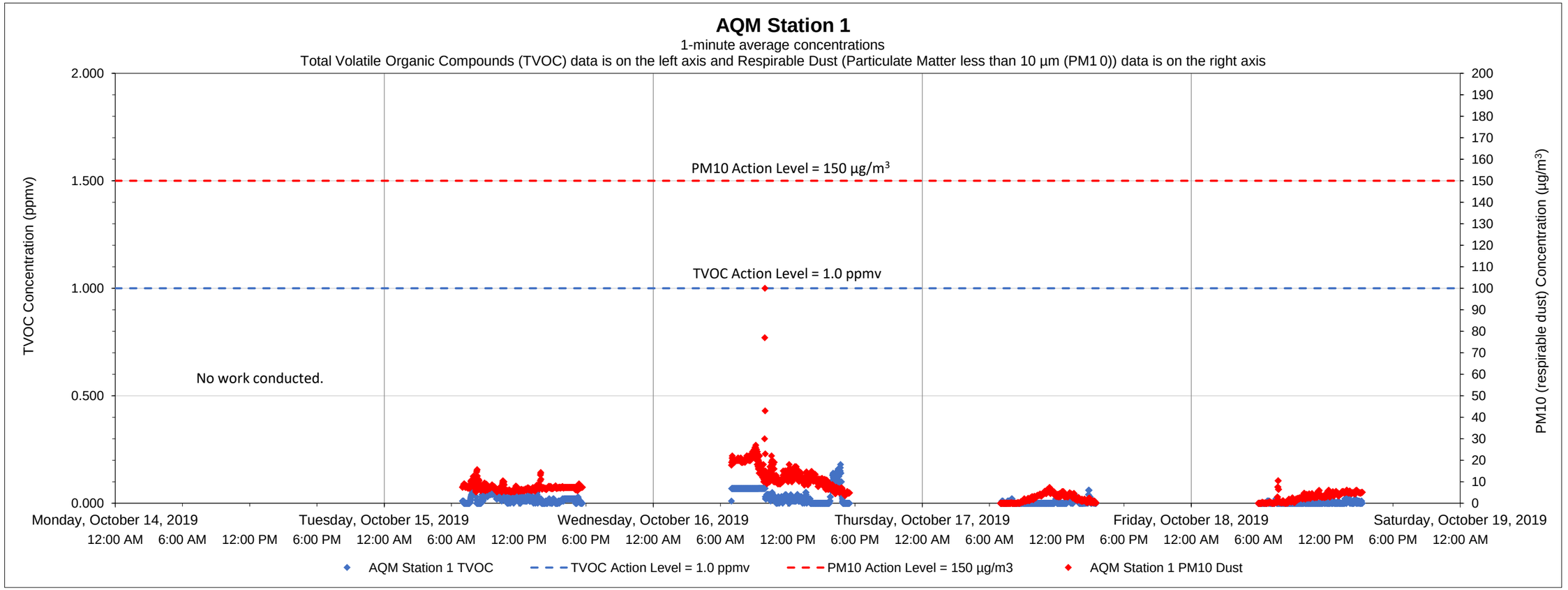

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.73	µg/m^3
PM10 maximum concentration	100.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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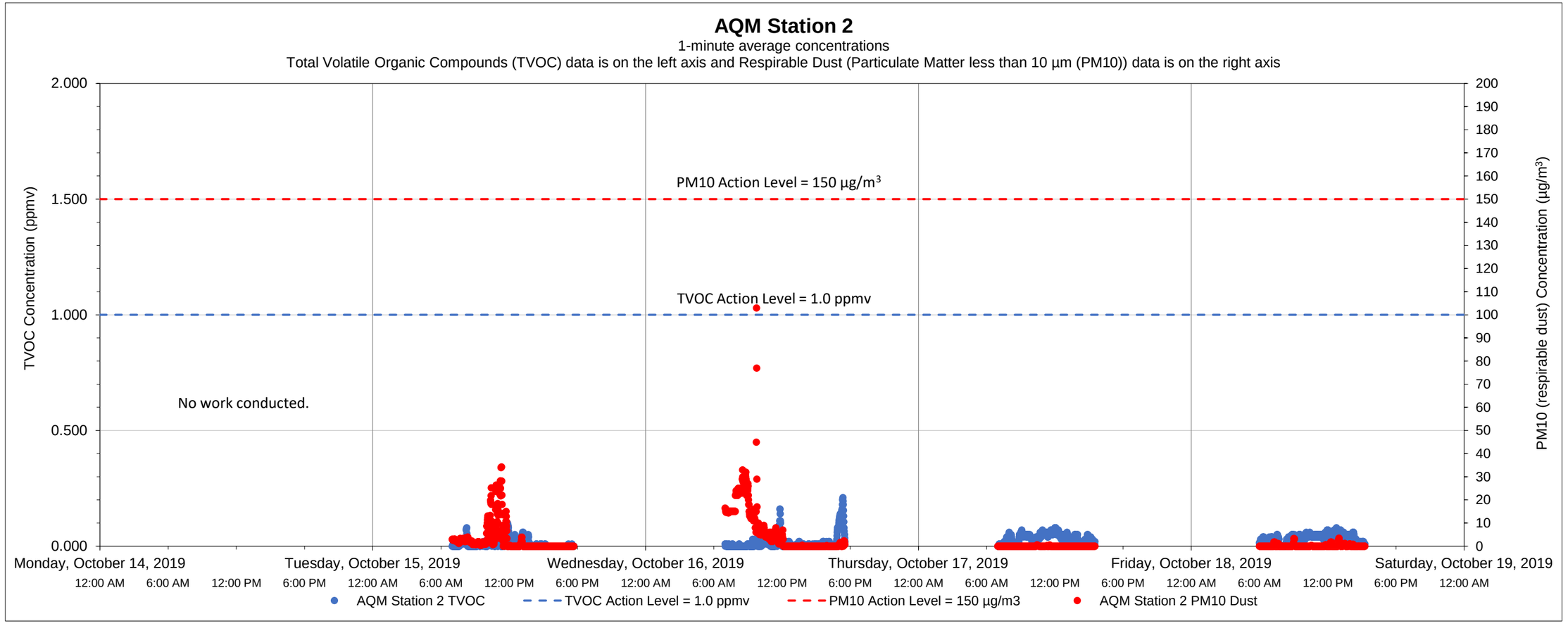
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
10/18/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.21	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.41	µg/m^3
PM10 maximum concentration	103.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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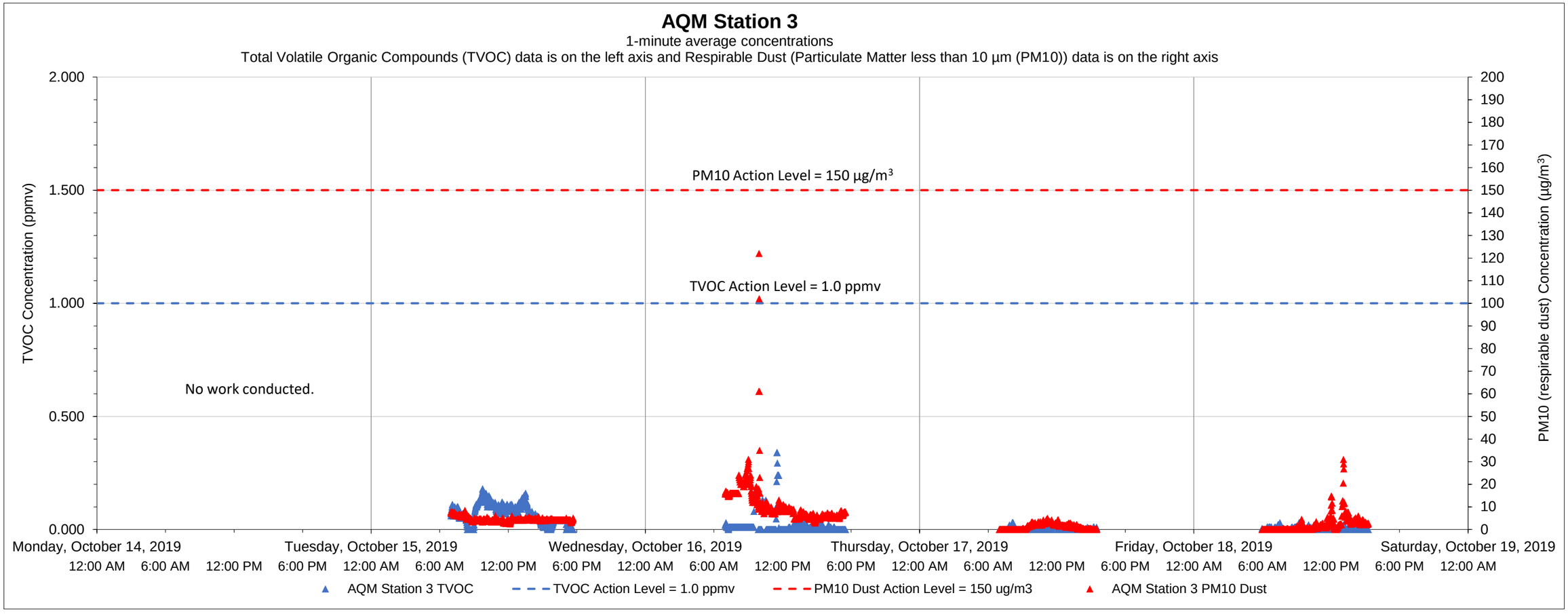

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.34	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.87	µg/m^3
PM10 maximum concentration	122.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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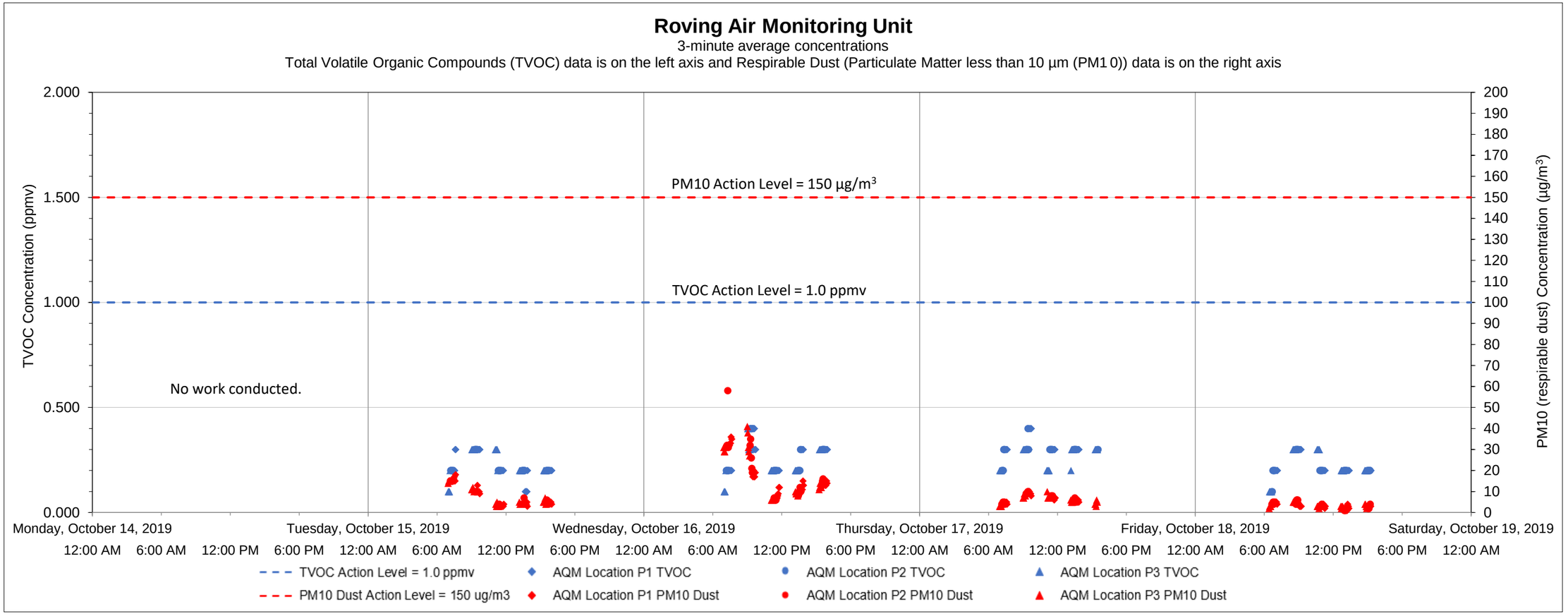

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.24	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.03	µg/m^3
PM10 maximum concentration	58	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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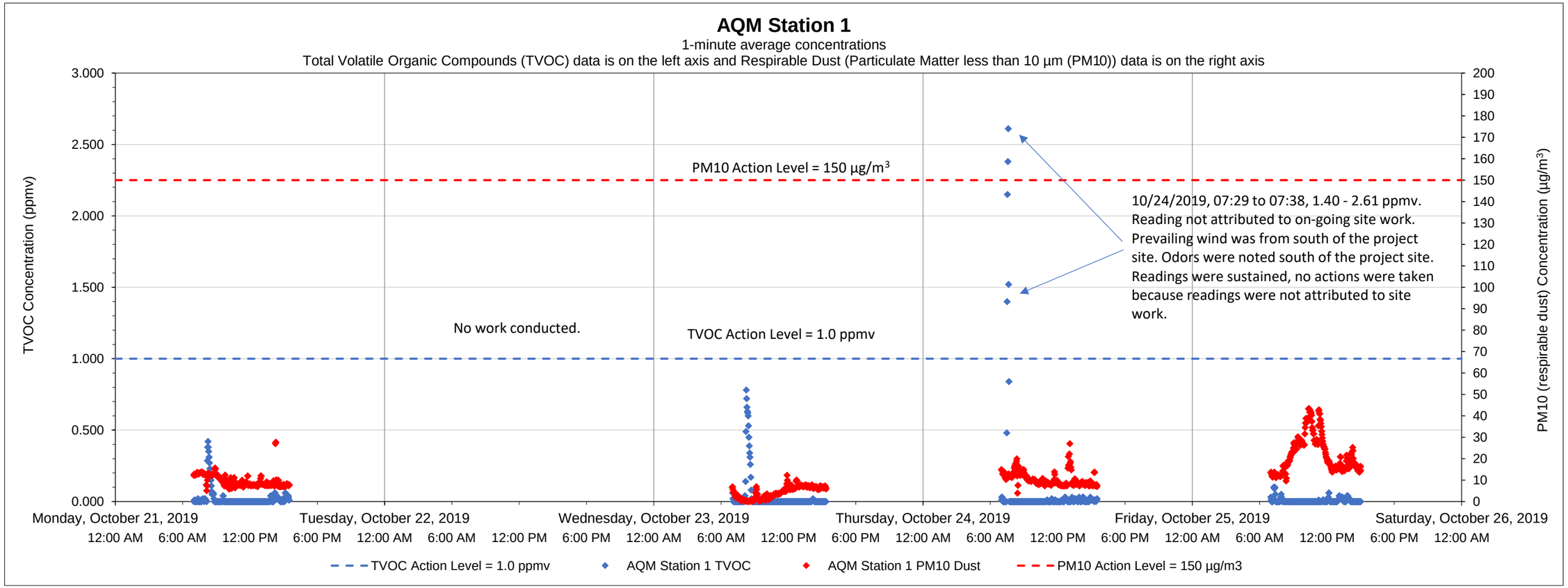
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
10/25/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
10/24/2019	7:29	TVOC	1.40 - 2.61 ppmv	No actions taken, readings were not attributed to ongoing site work

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	2.61	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.31	µg/m^3
PM10 maximum concentration	43.43	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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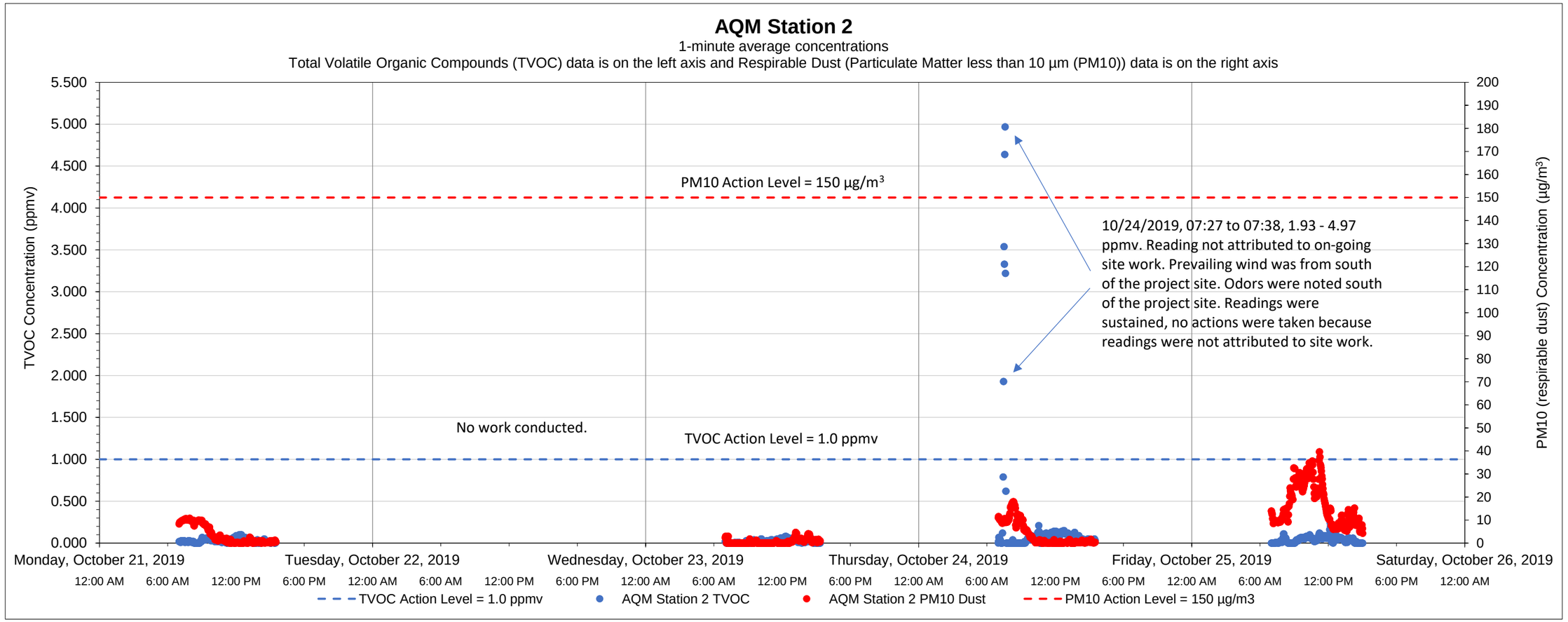

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
10/24/2019	7:27	TVOC	1.93 - 4.97 ppmv	No actions taken, readings were not attributed to ongoing site work.

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	4.97	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.95	µg/m^3
PM10 maximum concentration	39.67	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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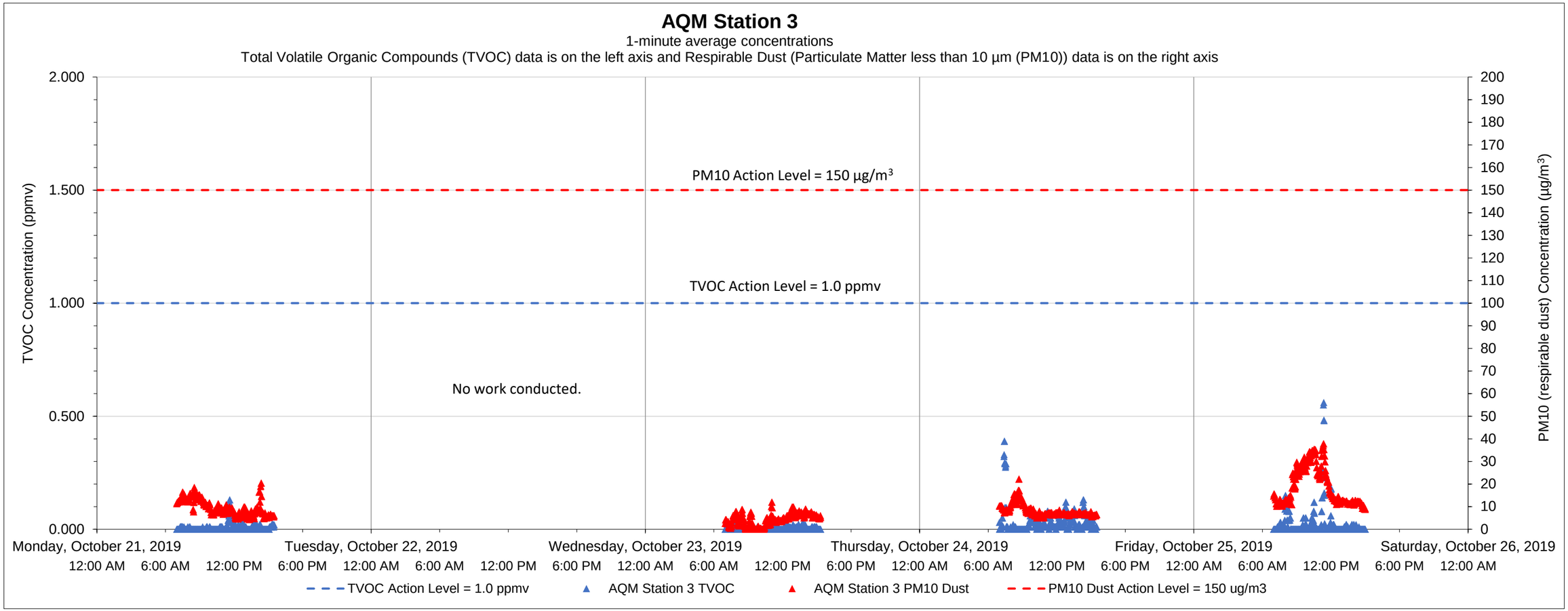
GZA Job No. 03.0033554.04
10/25/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.56	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.96	µg/m^3
PM10 maximum concentration	37.78	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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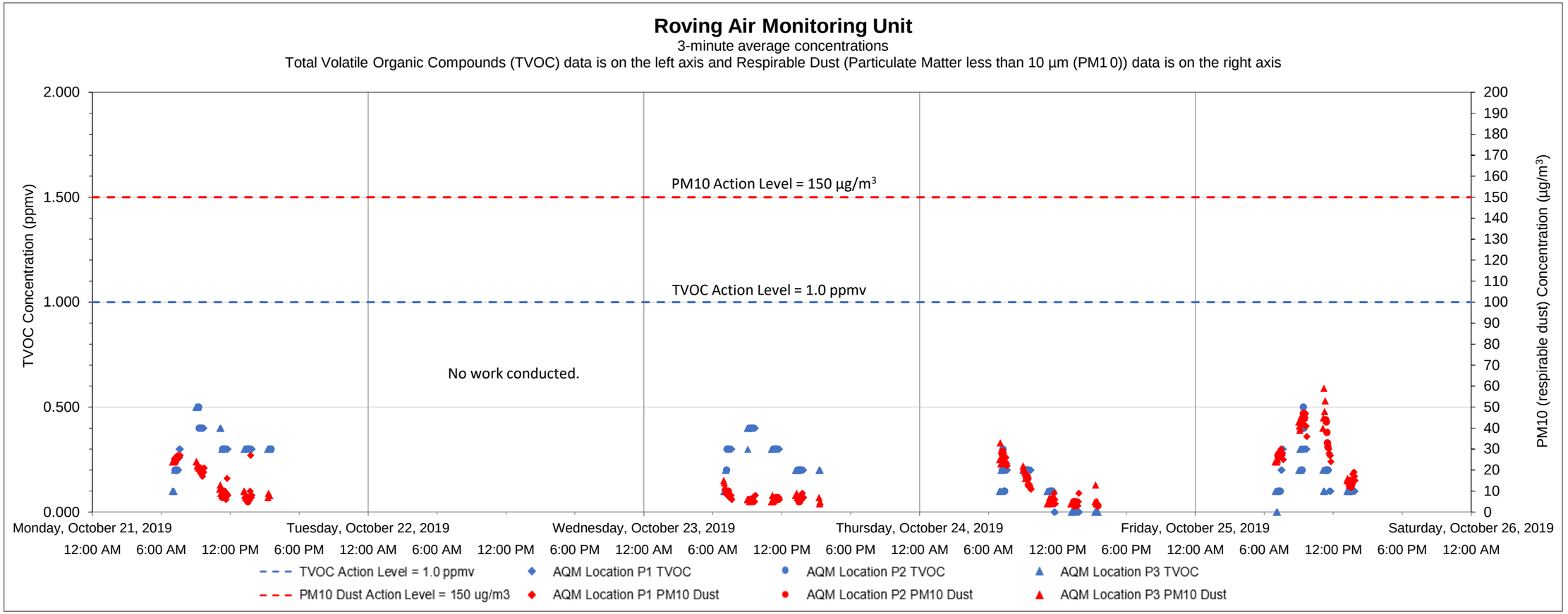
10/25/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.22	ppm
TVOCs maximum concentration	0.50	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.95	µg/m^3
PM10 maximum concentration	59	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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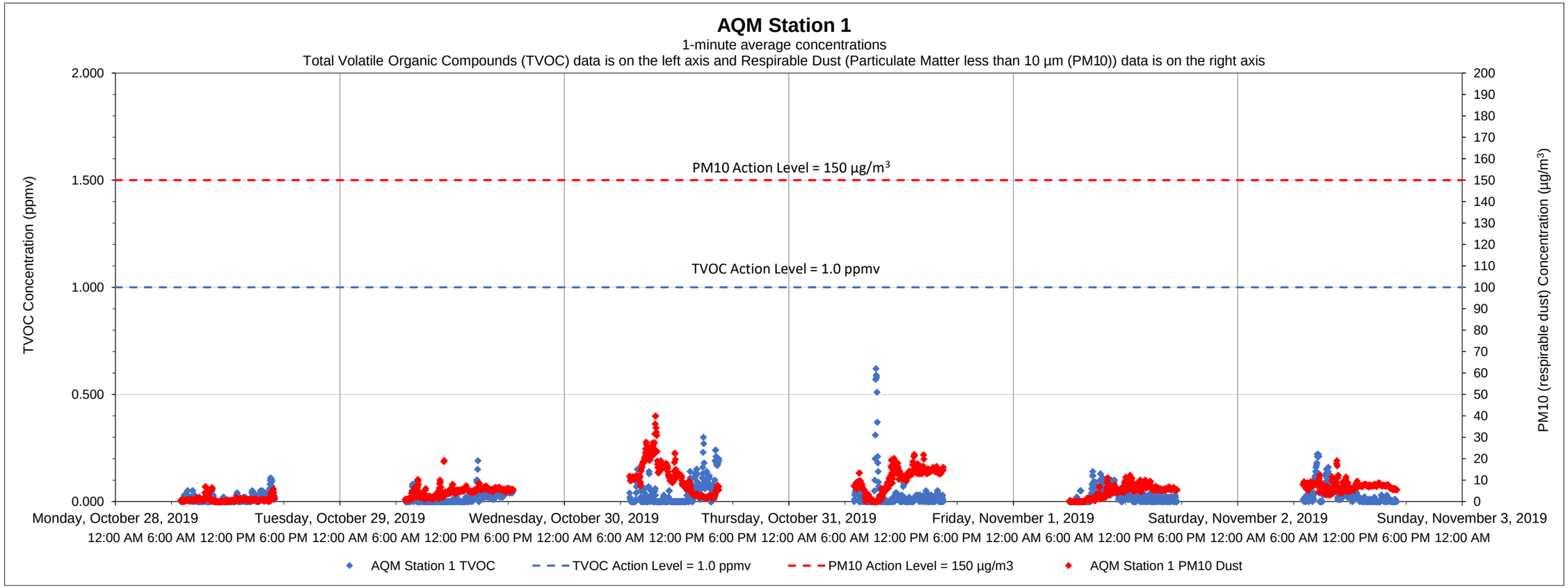
GZA Job No. 03.0033554.04
11/2/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.62	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.24	µg/m^3
PM10 maximum concentration	39.89	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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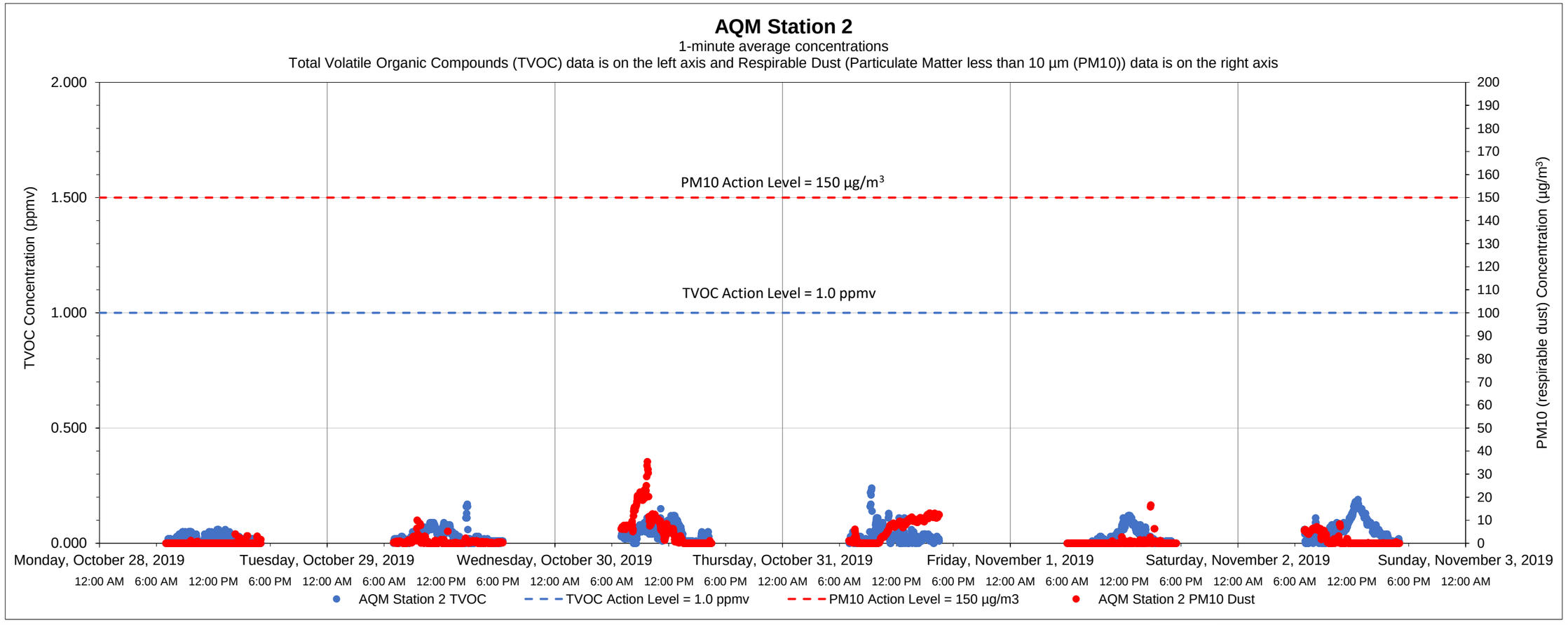

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.39	µg/m^3
PM10 maximum concentration	35.46	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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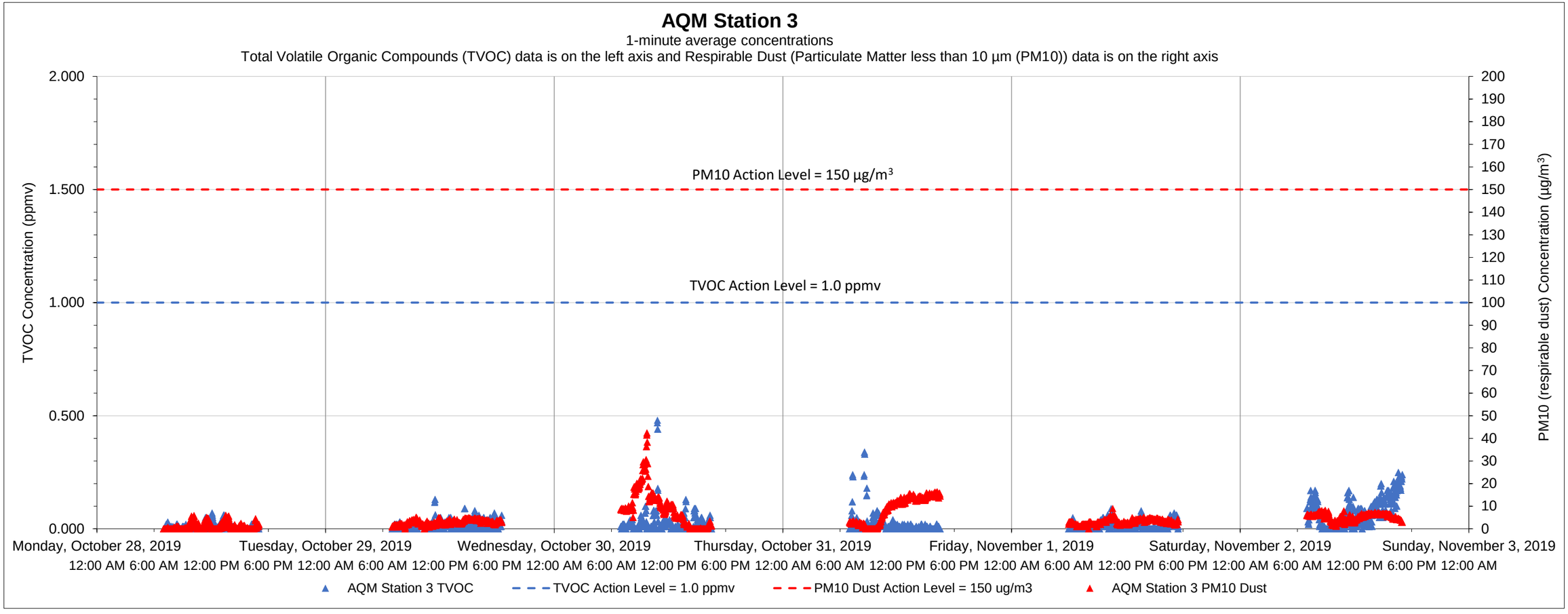

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.81	µg/m^3
PM10 maximum concentration	42.36	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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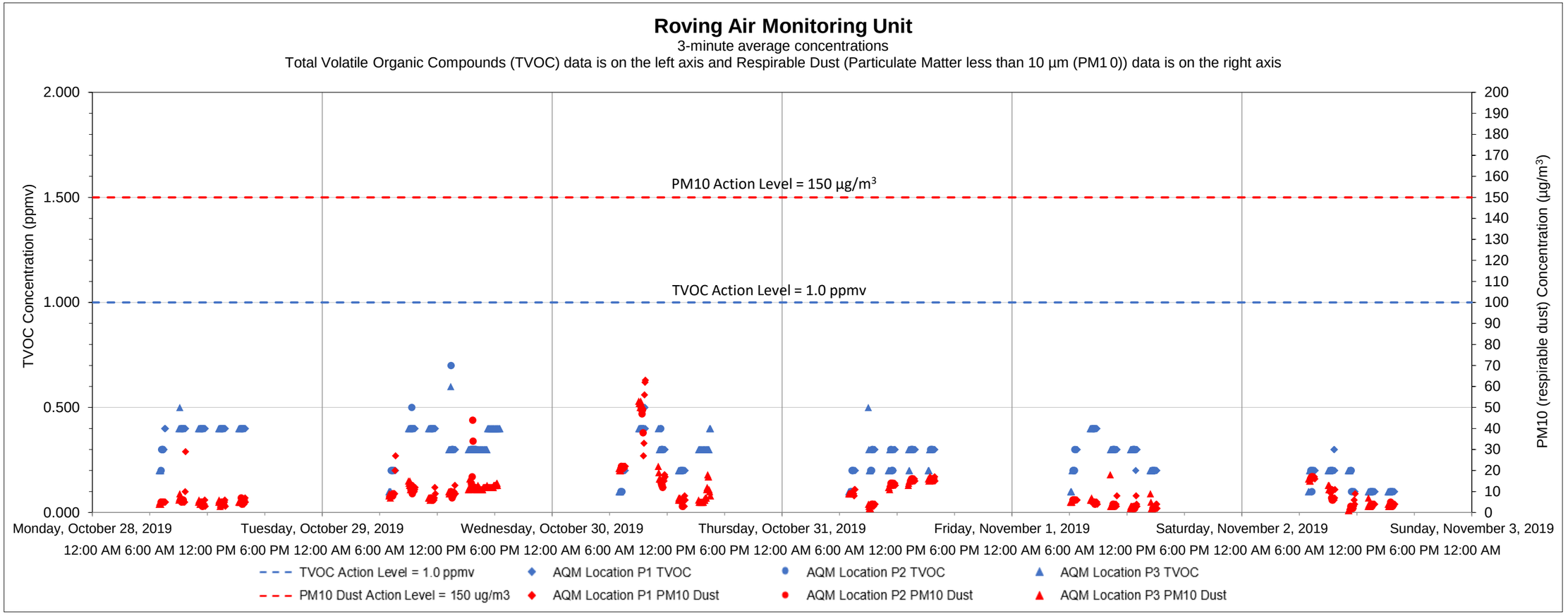

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.29	ppm
TVOCs maximum concentration	0.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.94	µg/m^3
PM10 maximum concentration	63	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

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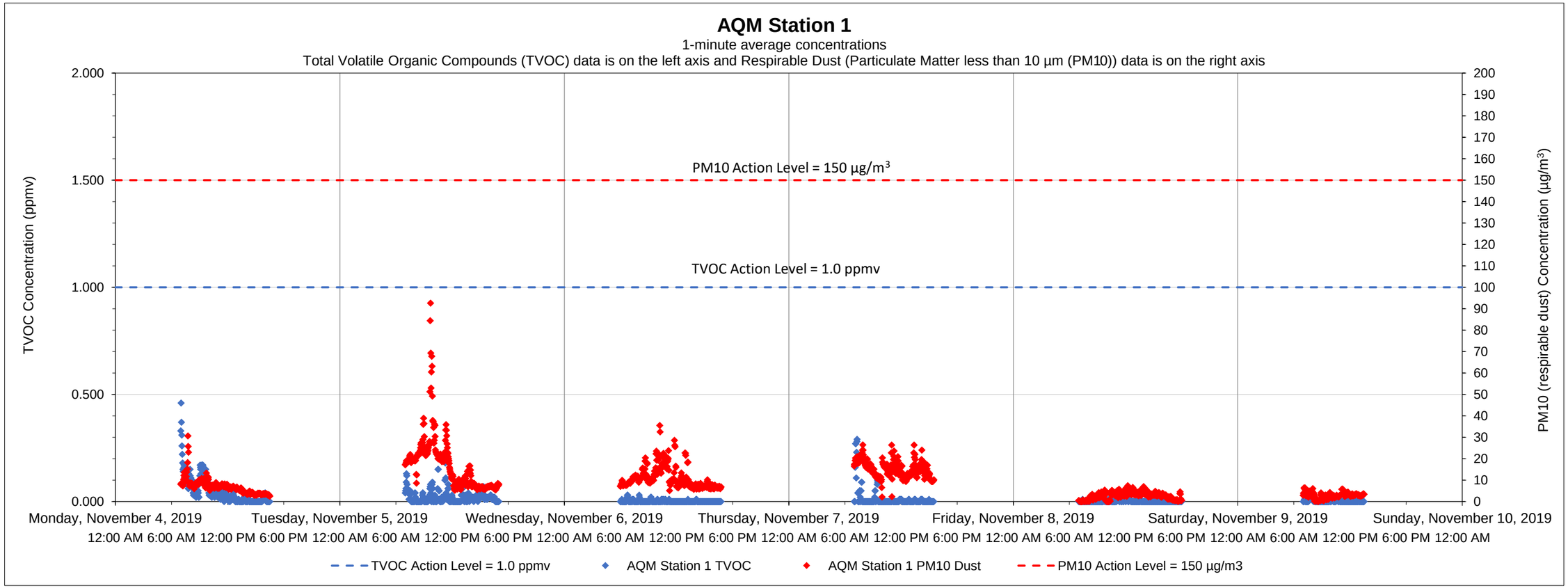

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.15	µg/m^3
PM10 maximum concentration	92.62	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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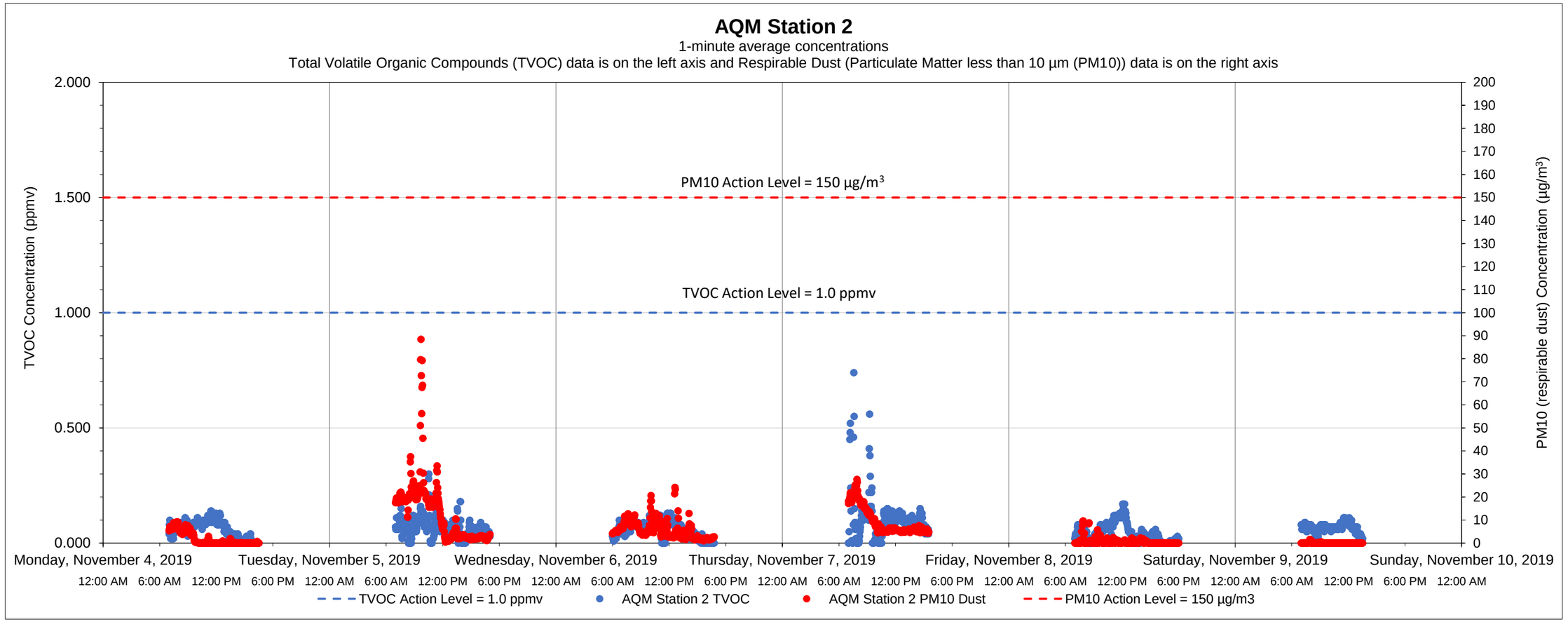

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.74	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.15	µg/m^3
PM10 maximum concentration	88.50	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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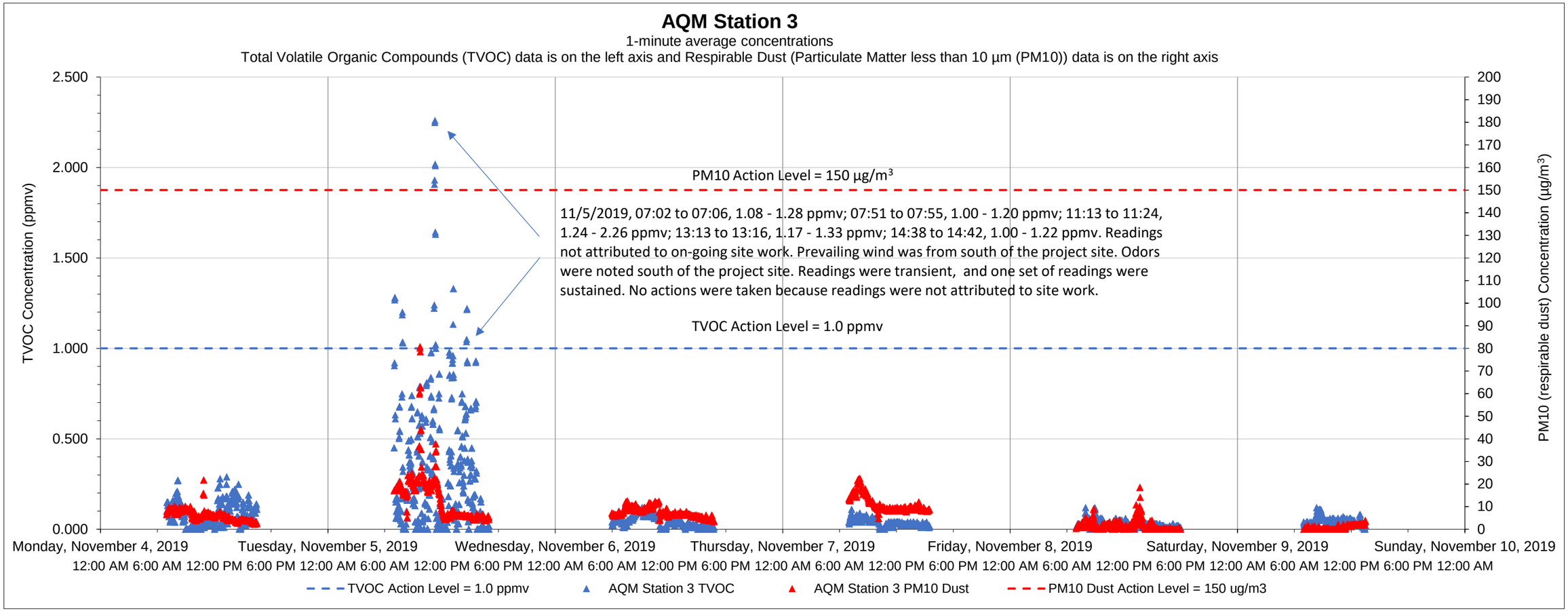

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
11/5/2019	11:13	TVOC	1.00 - 1.20 ppmv	No actions taken, readings were not attributed to ongoing site work.

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	2.26	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.93	µg/m^3
PM10 maximum concentration	80.81	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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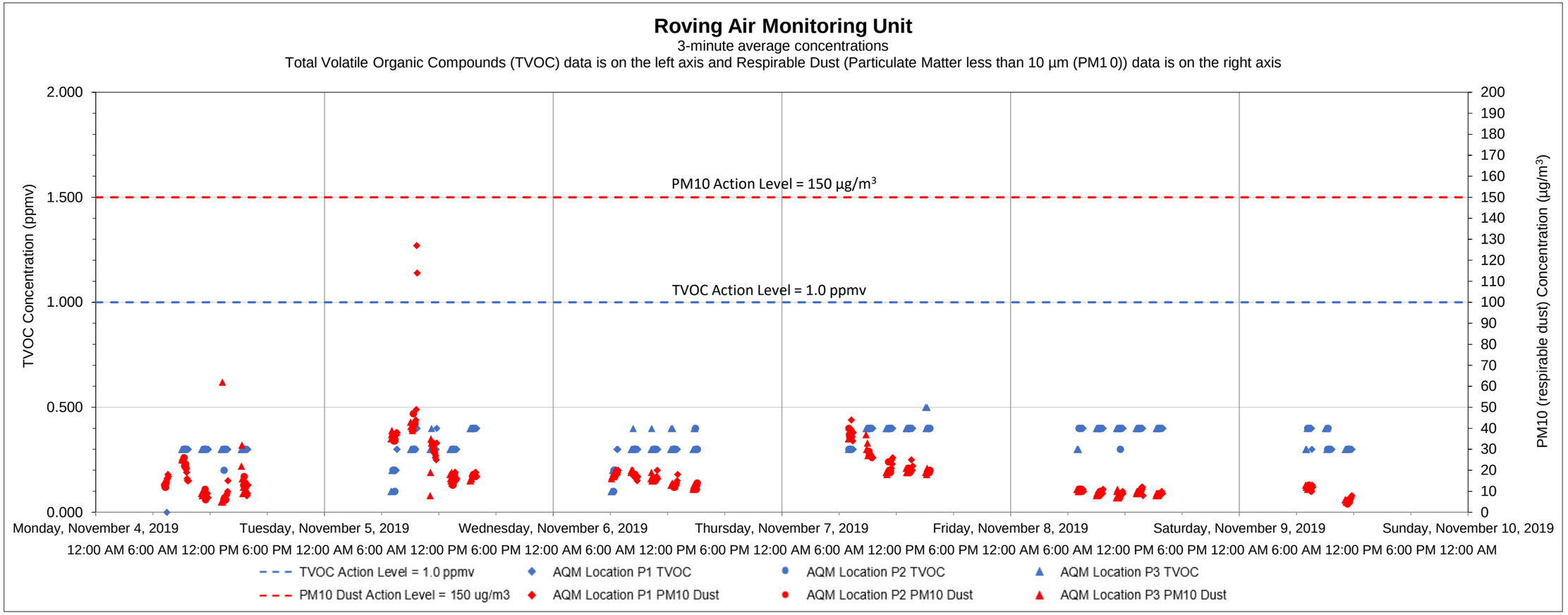

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.33	ppm
TVOCs maximum concentration	0.50	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.90	µg/m^3
PM10 maximum concentration	127	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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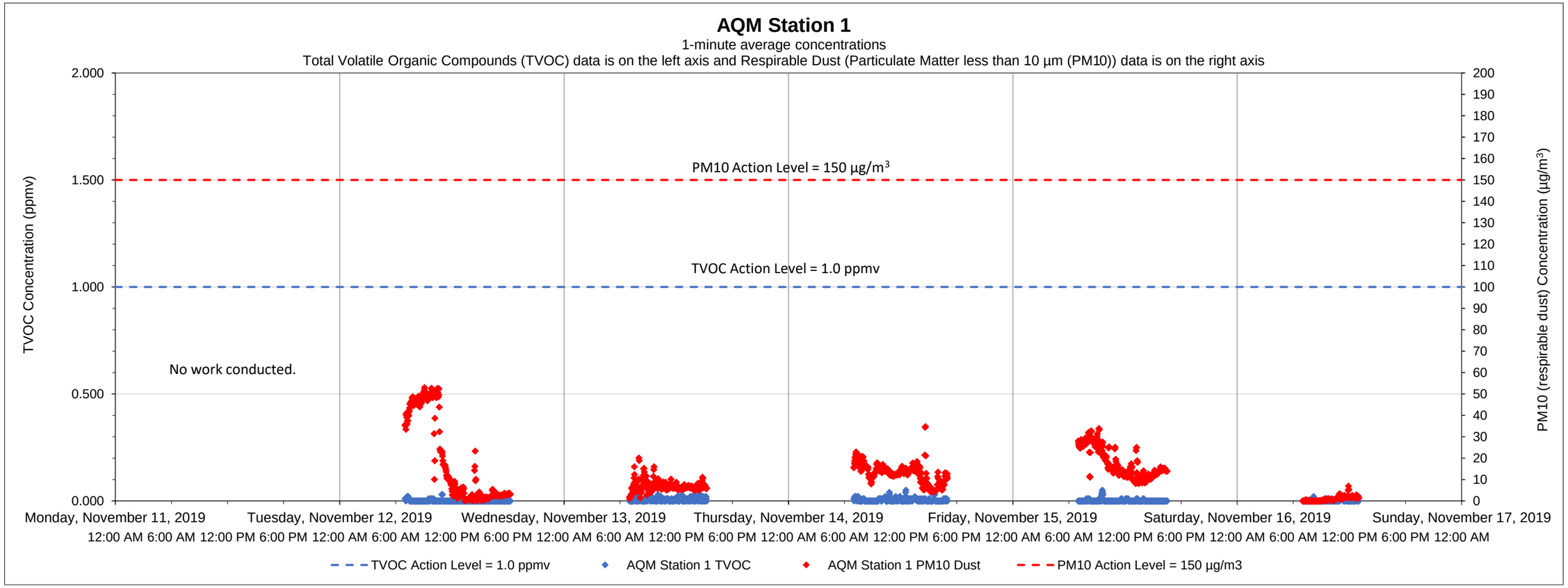
11/16/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.05	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.51	µg/m^3
PM10 maximum concentration	52.98	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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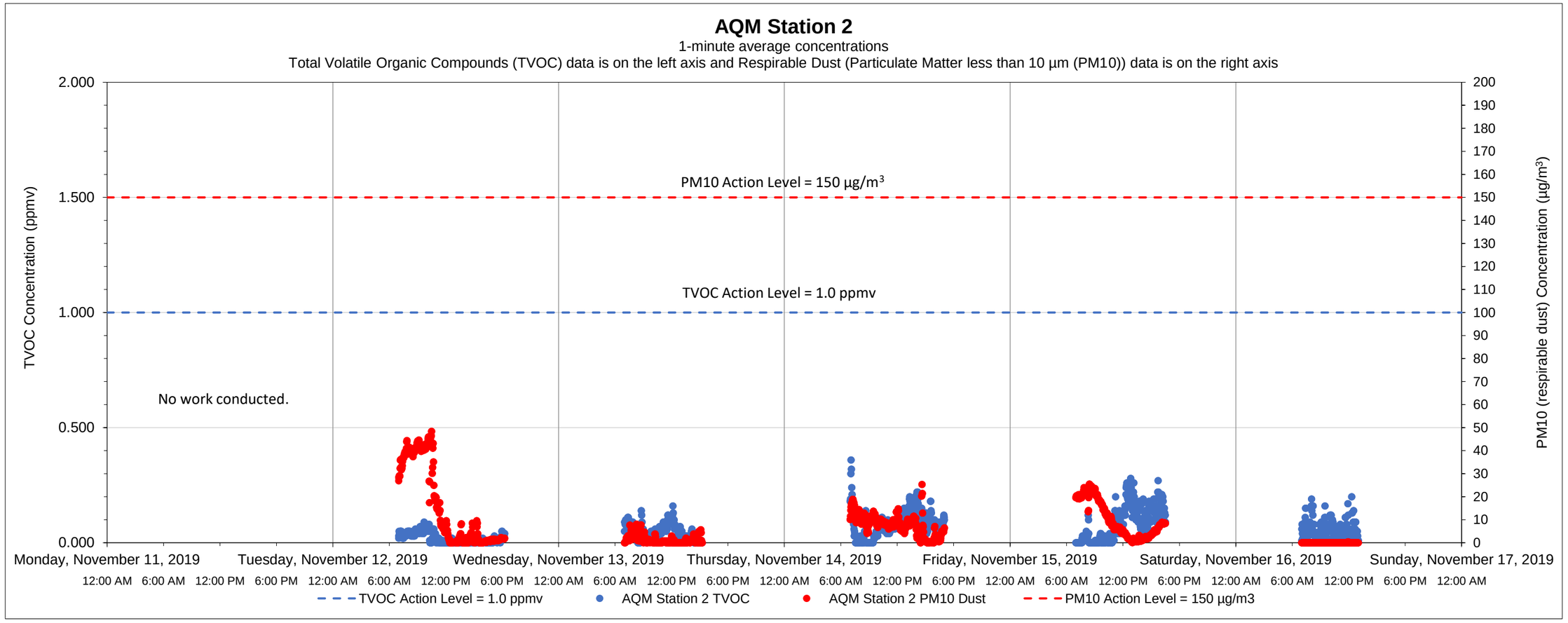


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.36	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.80	µg/m^3
PM10 maximum concentration	48.37	µg/m^3
PM10 action level	150	µg/m^3

Notes:

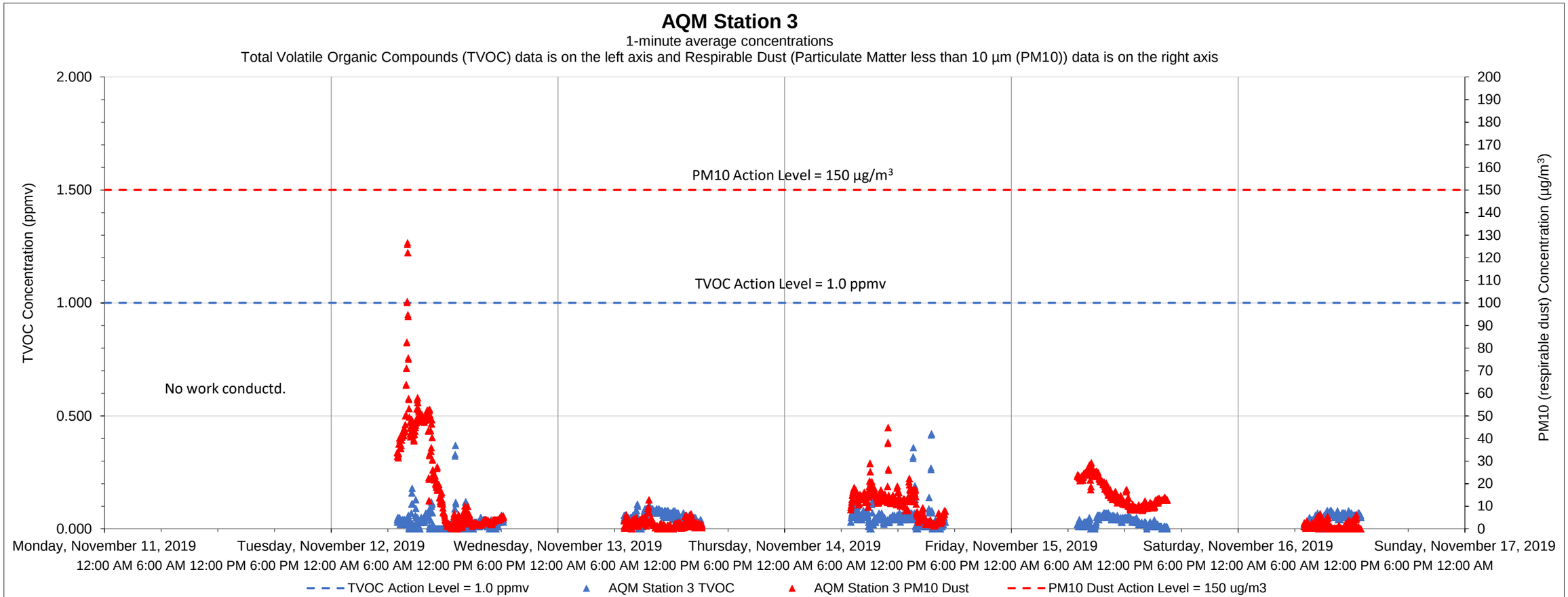
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
11/16/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.42	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.30	µg/m^3
PM10 maximum concentration	126.71	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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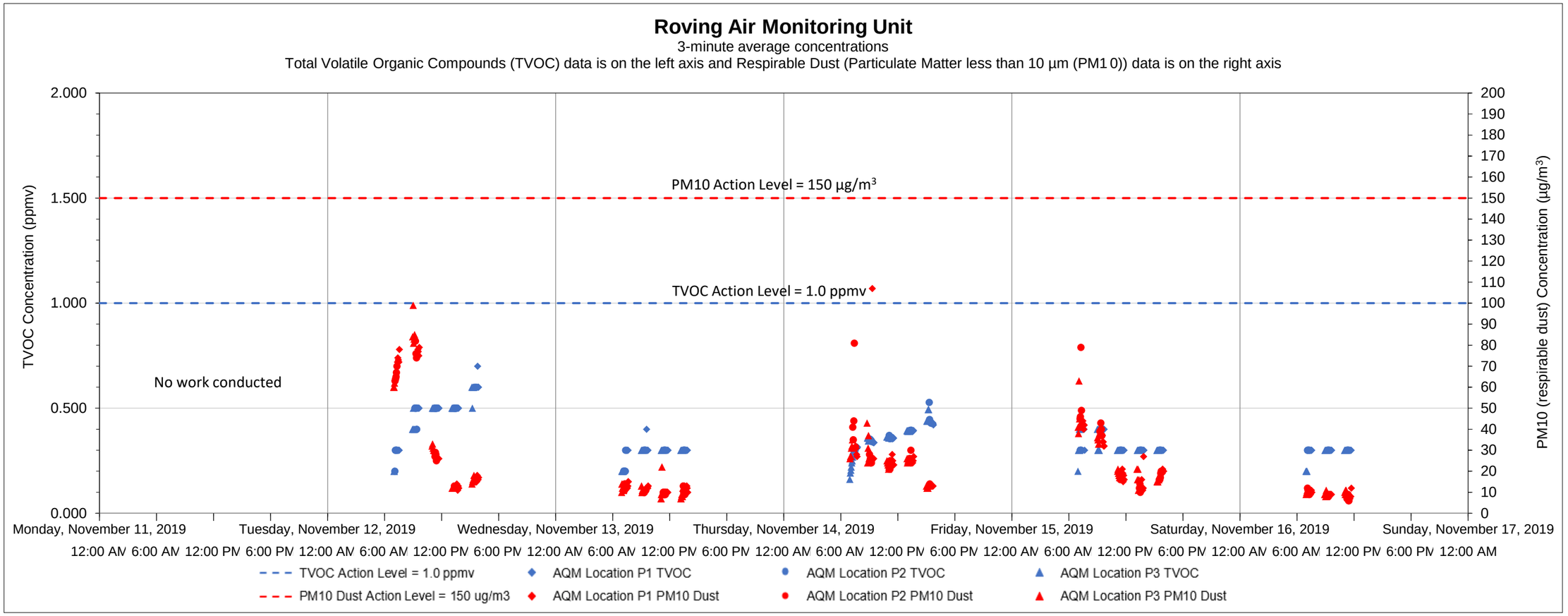

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.36	ppm
TVOCs maximum concentration	0.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	22.28	µg/m^3
PM10 maximum concentration	107	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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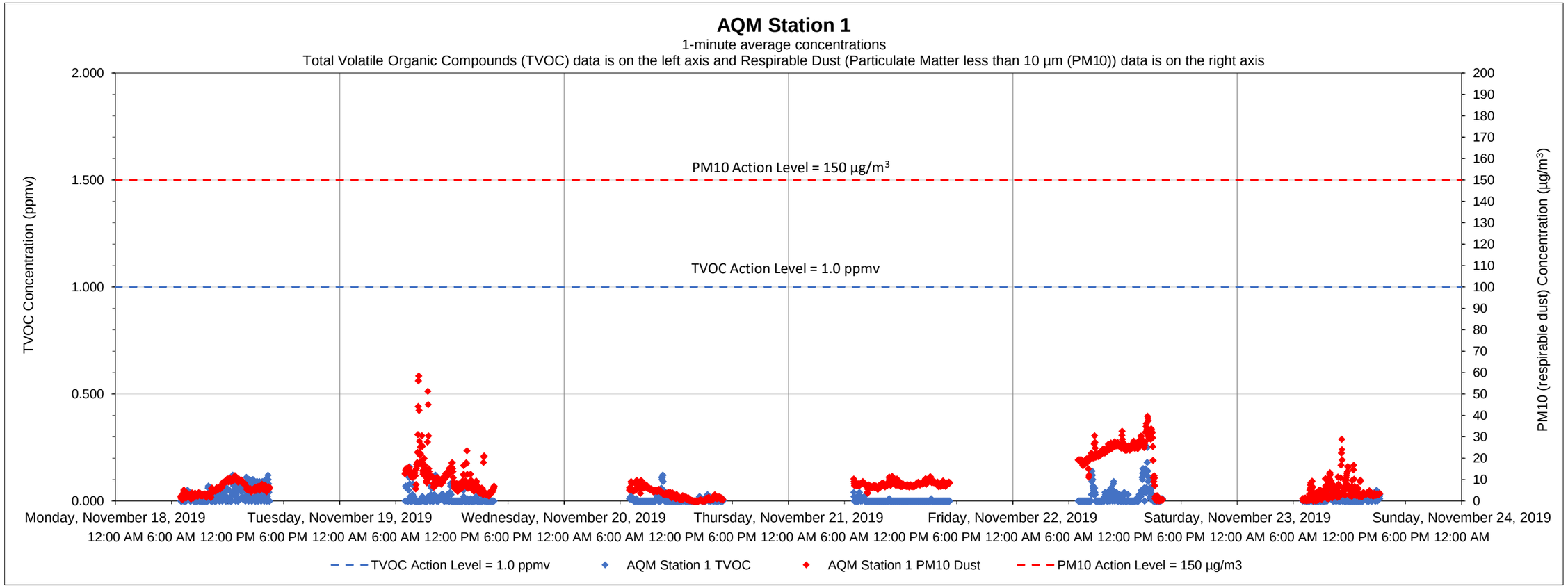
GZA Job No. 03.0033554.04
11/23/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.87	µg/m^3
PM10 maximum concentration	58.38	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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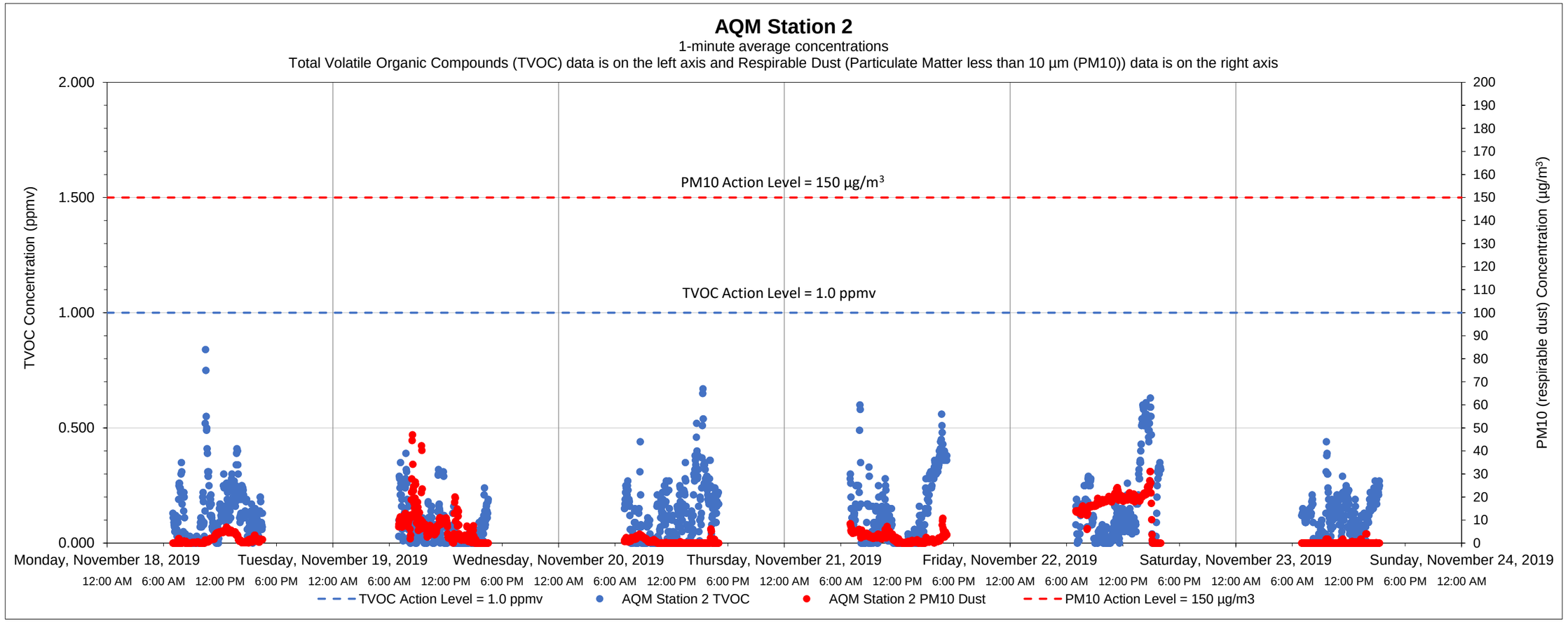

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.12	ppm
TVOCs maximum concentration	0.84	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.63	µg/m^3
PM10 maximum concentration	47.03	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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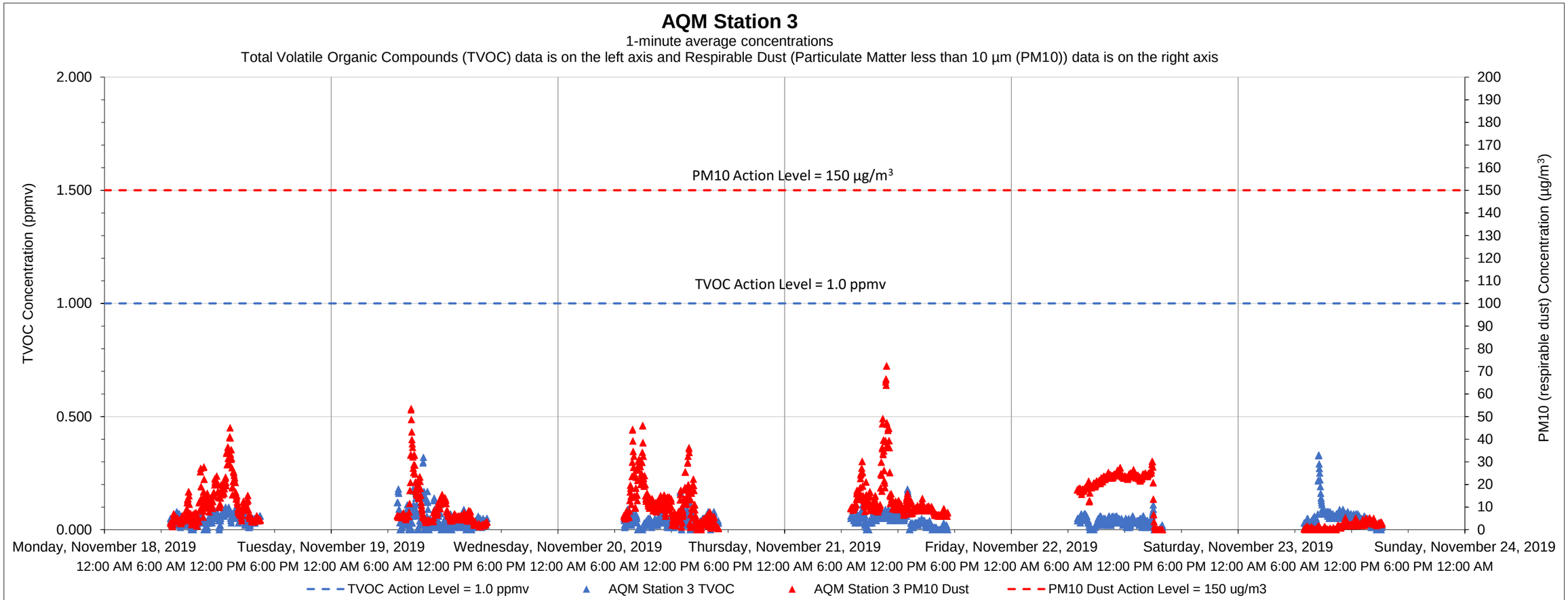

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.33	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.05	µg/m^3
PM10 maximum concentration	72.51	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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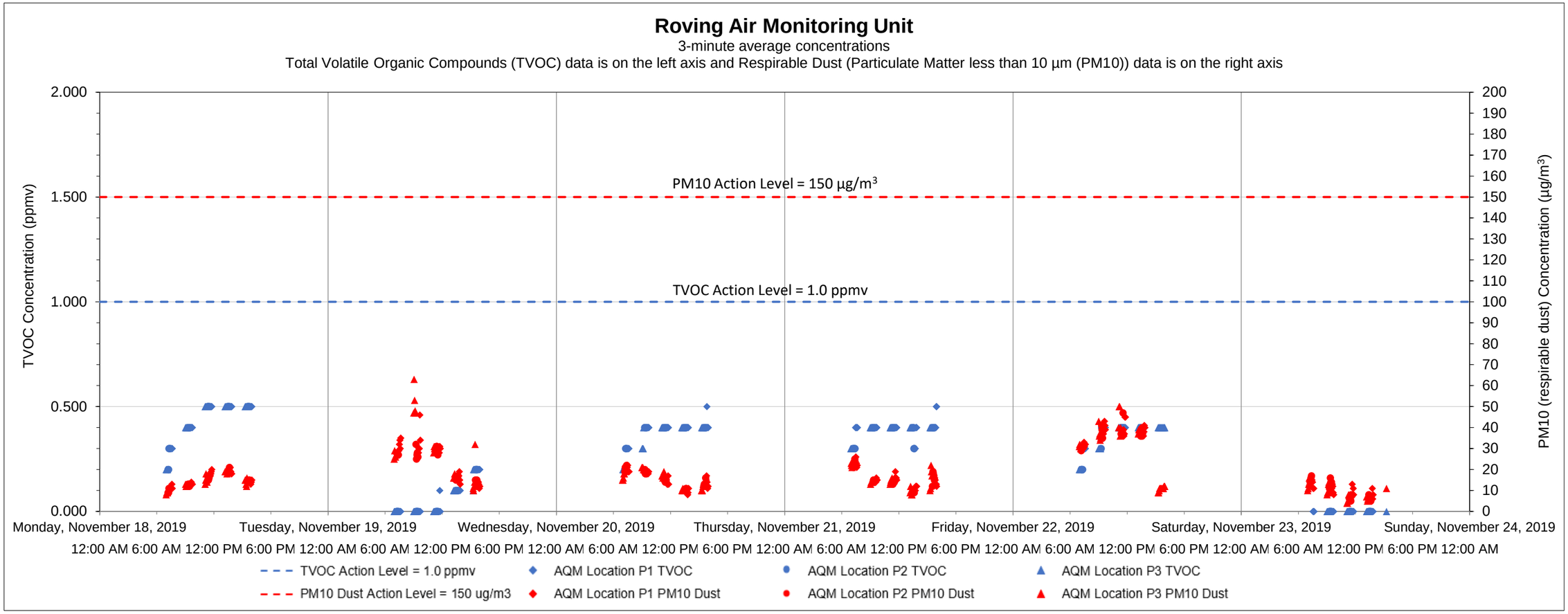

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.28	ppm
TVOCs maximum concentration	0.50	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.93	µg/m^3
PM10 maximum concentration	63	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

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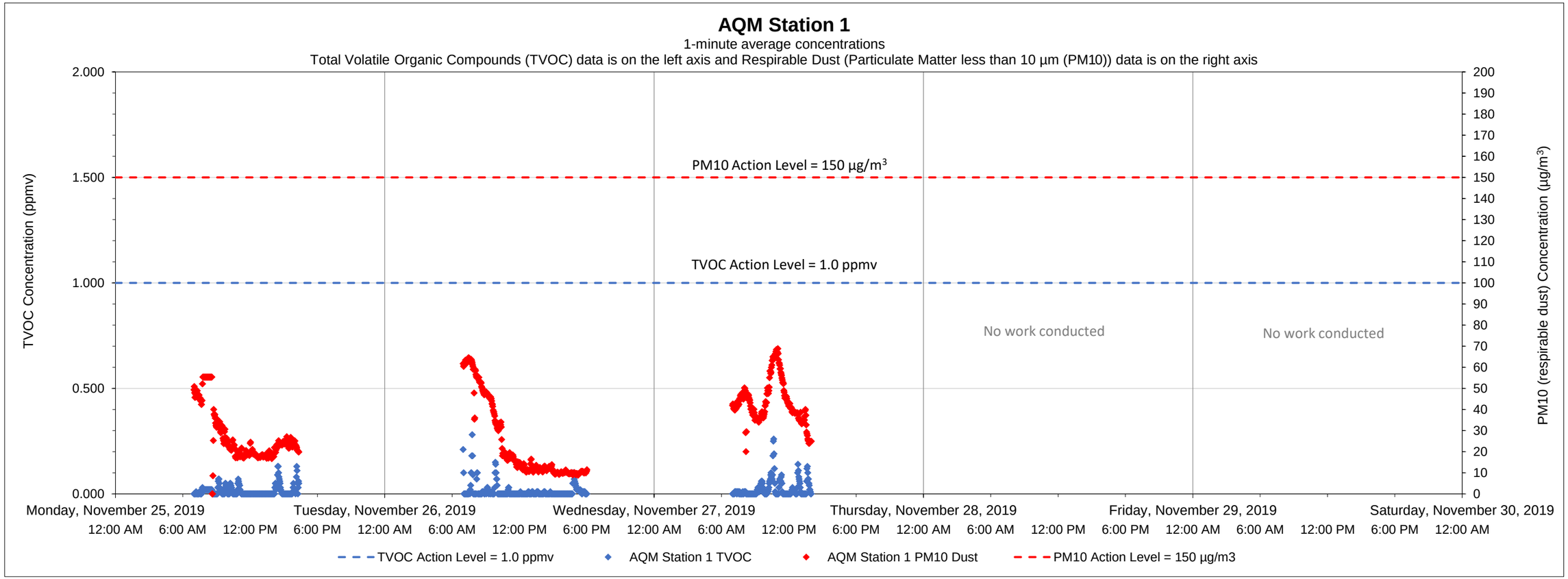
GZA Job No. 03.0033554.04
12/2/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.28	ppm
TVOCs action level	1	ppm
PM10 average concentration	29.91	µg/m^3
PM10 maximum concentration	68.82	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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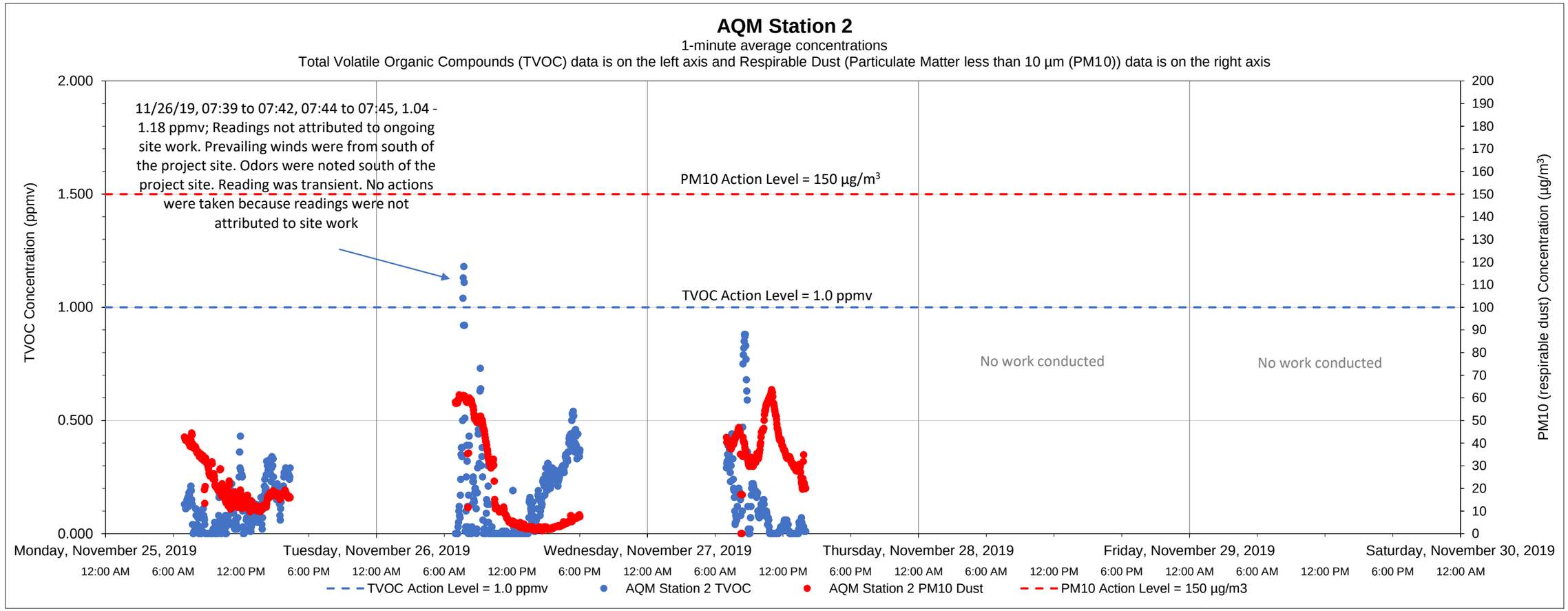

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.14	ppm
TVOCs maximum concentration	1.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	24.41	µg/m^3
PM10 maximum concentration	63.63	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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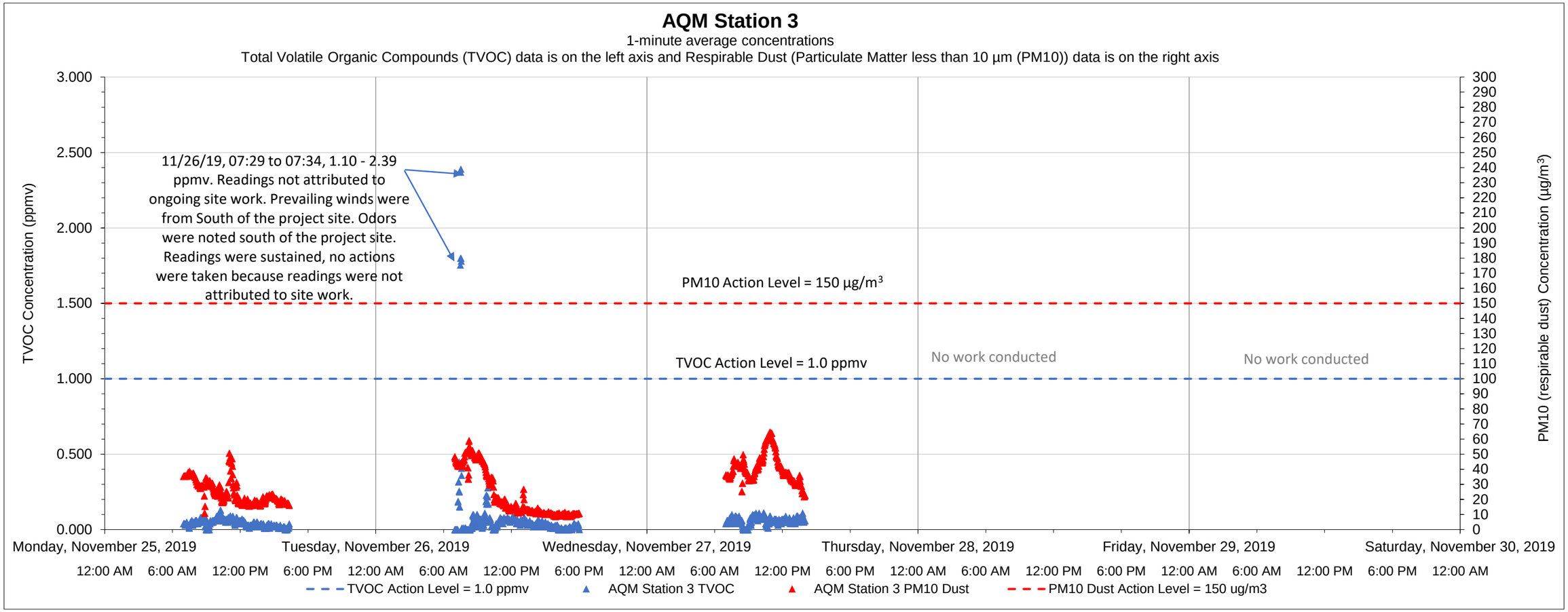

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
11/26/2019	07:29	TVOC	1.10 - 2.39 ppmv	No actions taken, readings were not attributed to ongoing site work.

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	2.39	ppm
TVOCs action level	1	ppm
PM10 average concentration	27.98	µg/m^3
PM10 maximum concentration	64.67	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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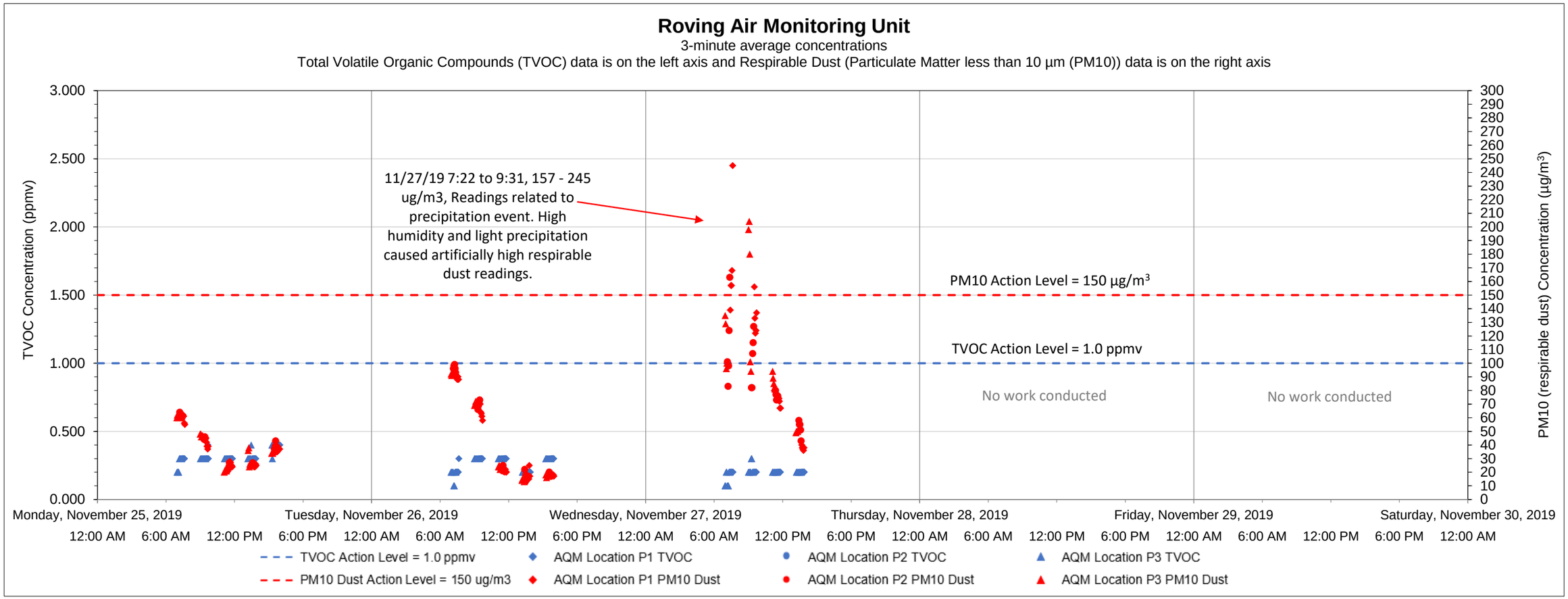

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
11/27/2019	07:22	Respirable Dust	157 - 245 ug/m3	No actions taken, readings were not attributed to ongoing site work.

Data Summary Statistics		
TVOCs average concentration	0.26	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	56.49	µg/m^3
PM10 maximum concentration	245	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
11/27/2019 - High humidity and light precipitation caused artificially high respirable dust readings. Moisture trap installed on equipment.

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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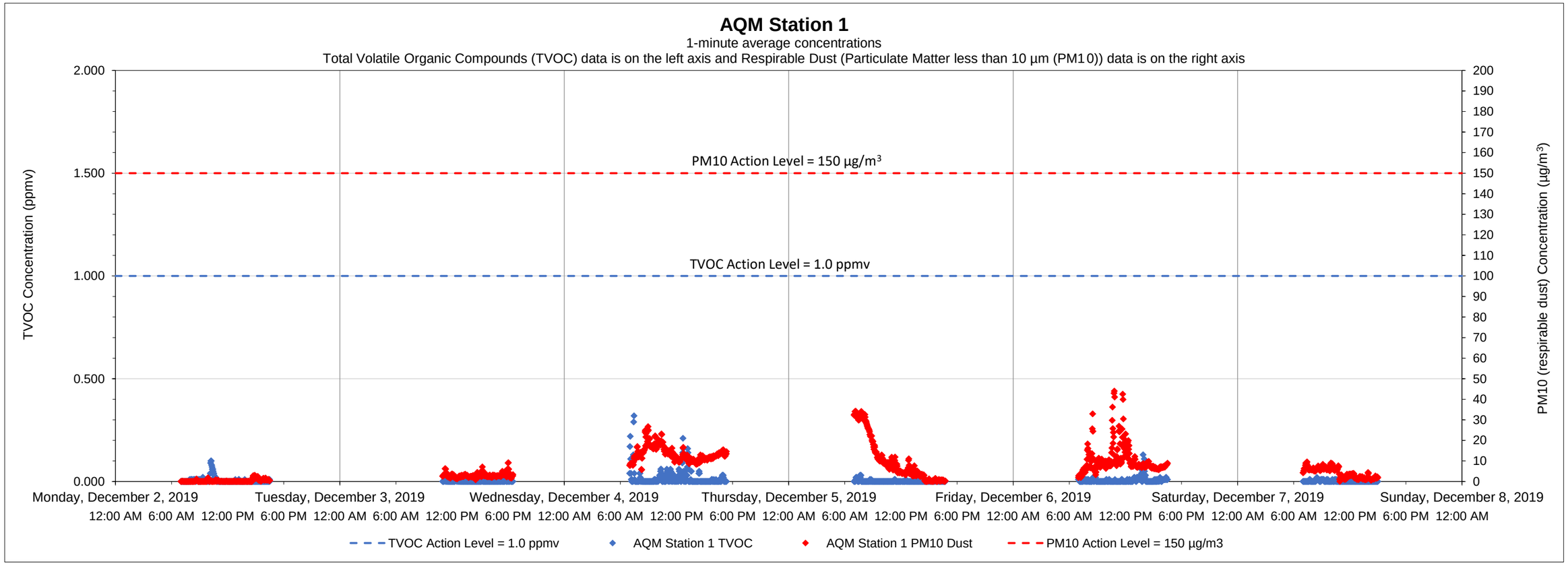

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.15	µg/m^3
PM10 maximum concentration	43.98	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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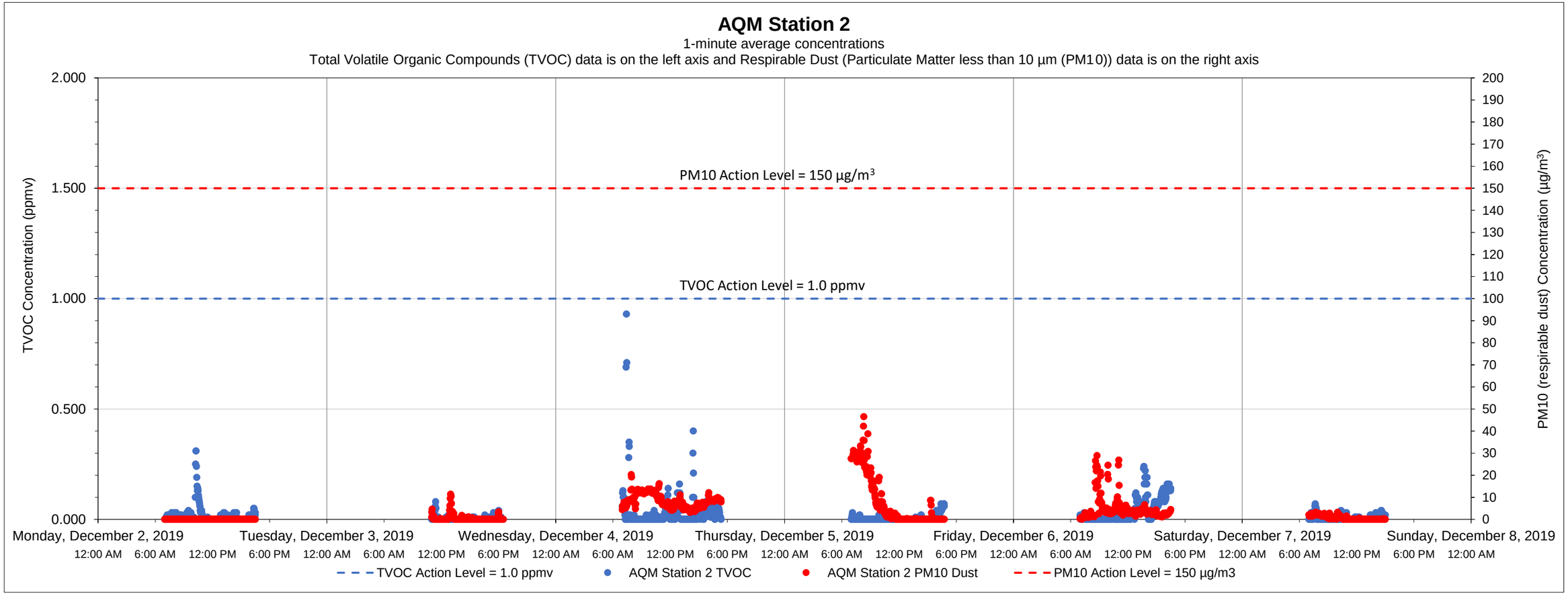

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.93	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.91	µg/m^3
PM10 maximum concentration	46.54	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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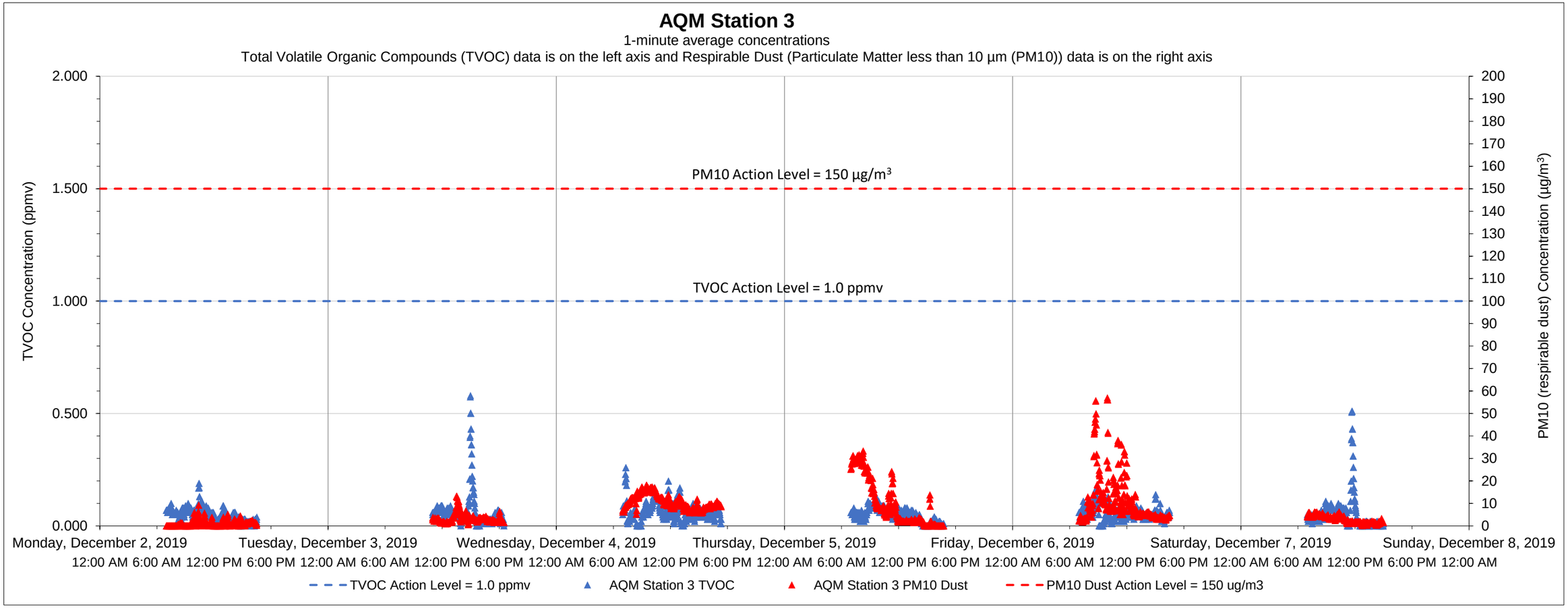

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.58	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.60	µg/m^3
PM10 maximum concentration	57.04	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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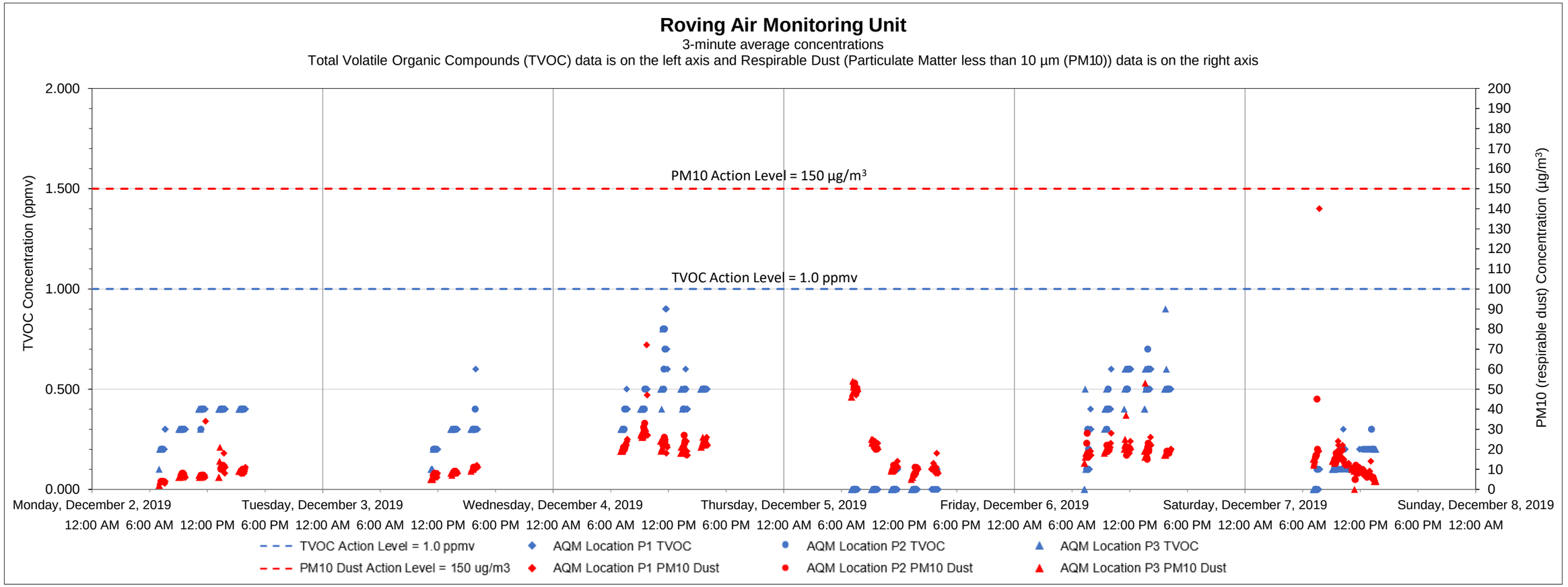

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.27	ppm
TVOCs maximum concentration	0.90	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.95	µg/m^3
PM10 maximum concentration	140	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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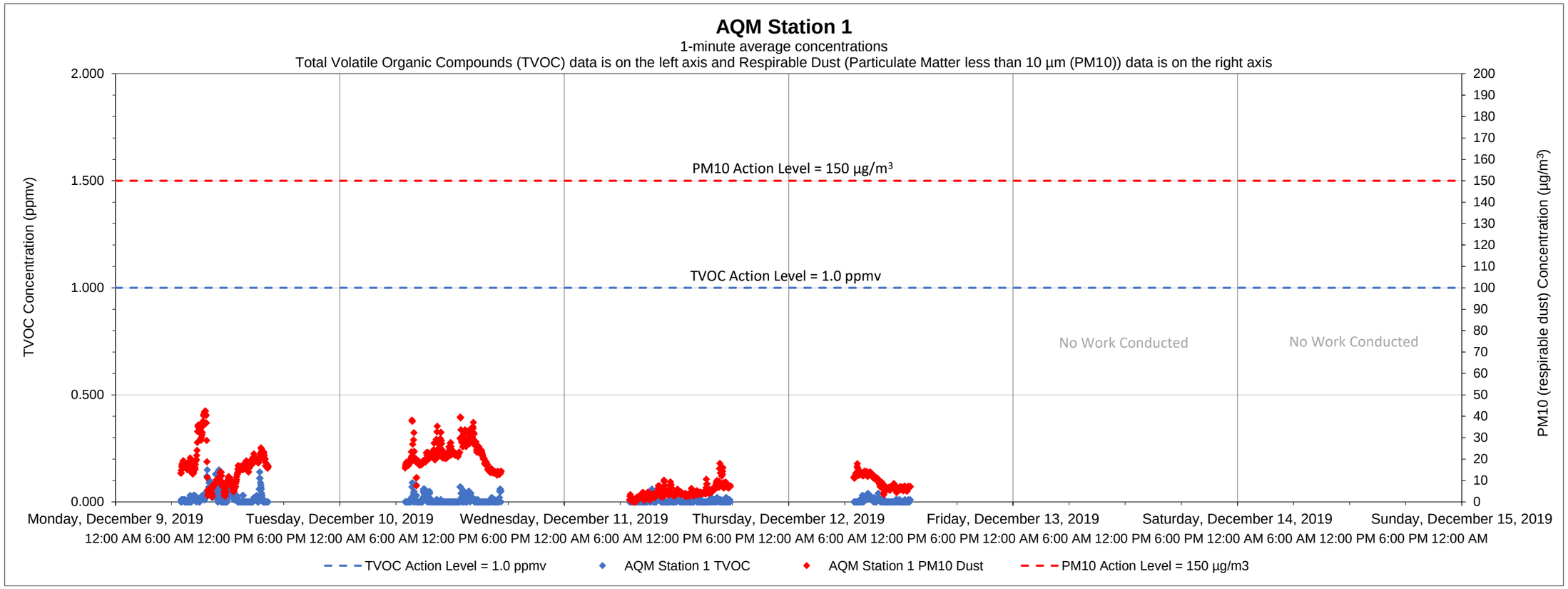

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.15	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.34	µg/m^3
PM10 maximum concentration	42.54	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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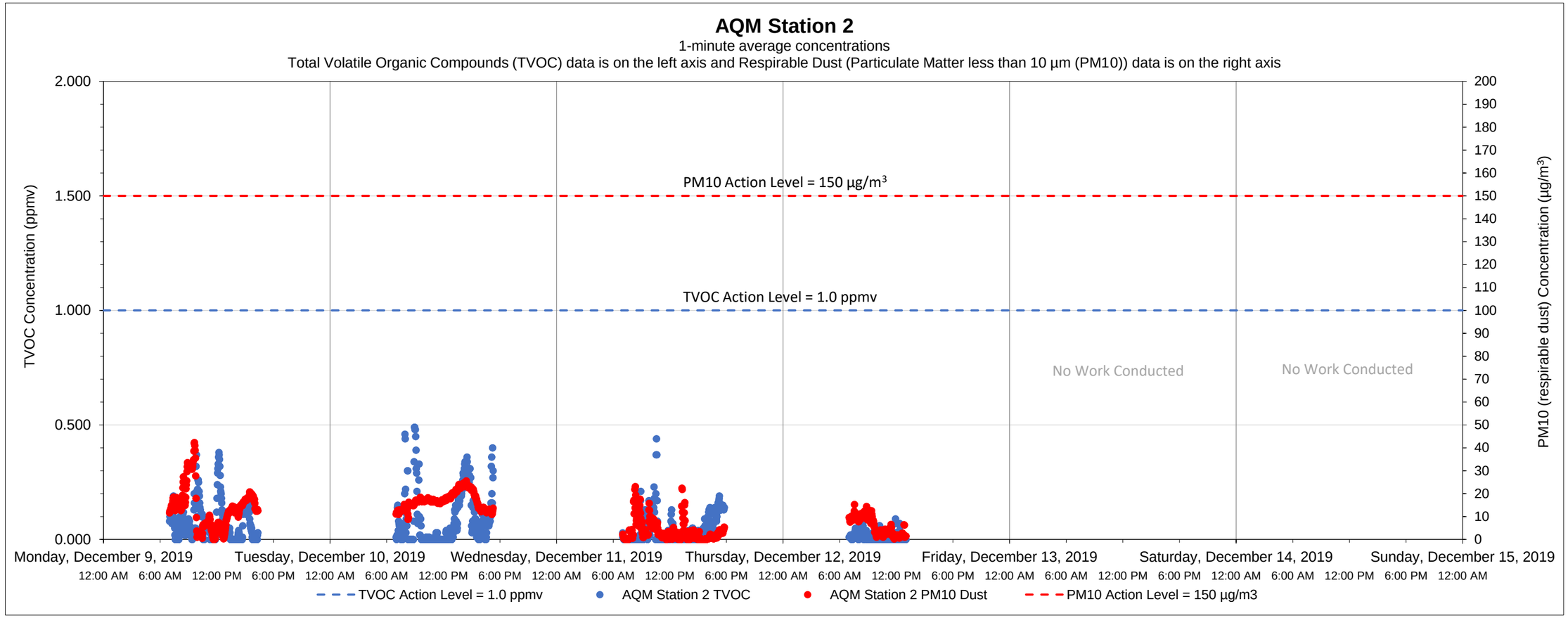

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.49	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.25	µg/m^3
PM10 maximum concentration	42.36	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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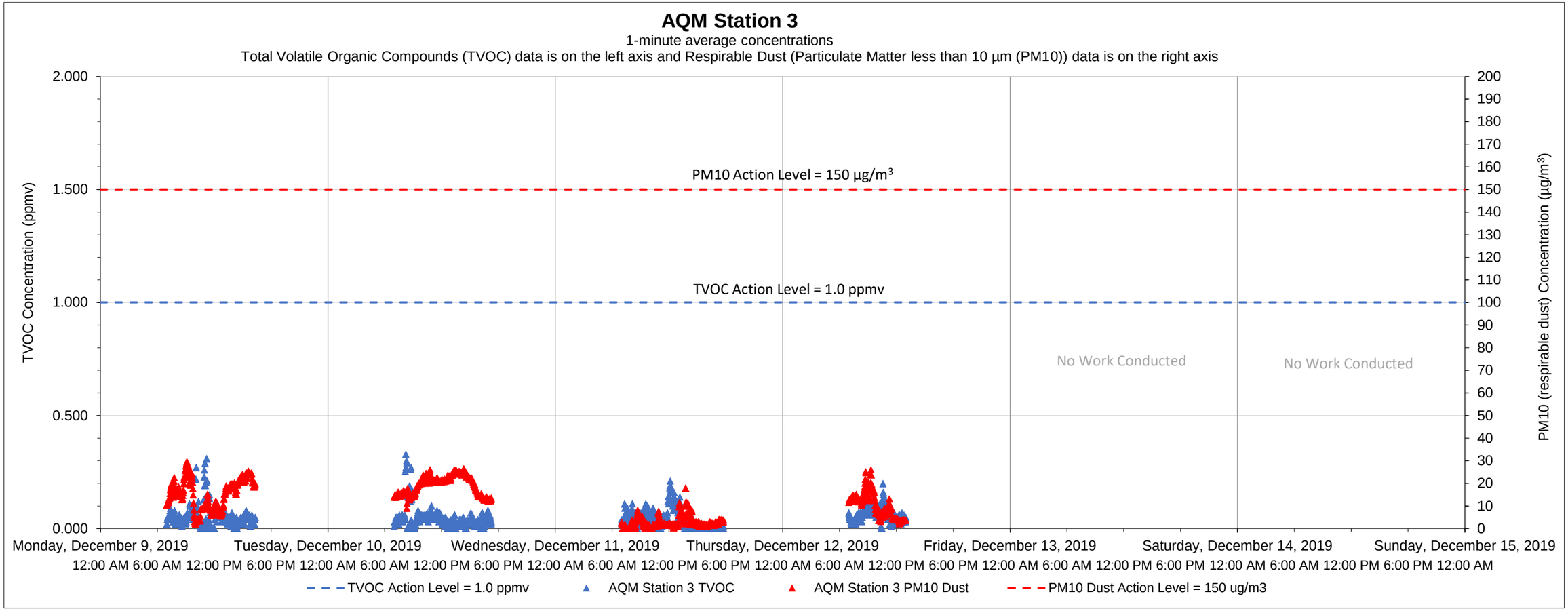
GZA Job No. 03.0033554.04
12/14/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.33	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.85	µg/m^3
PM10 maximum concentration	29.57	µg/m^3
PM10 action level	150	µg/m^3

Notes:

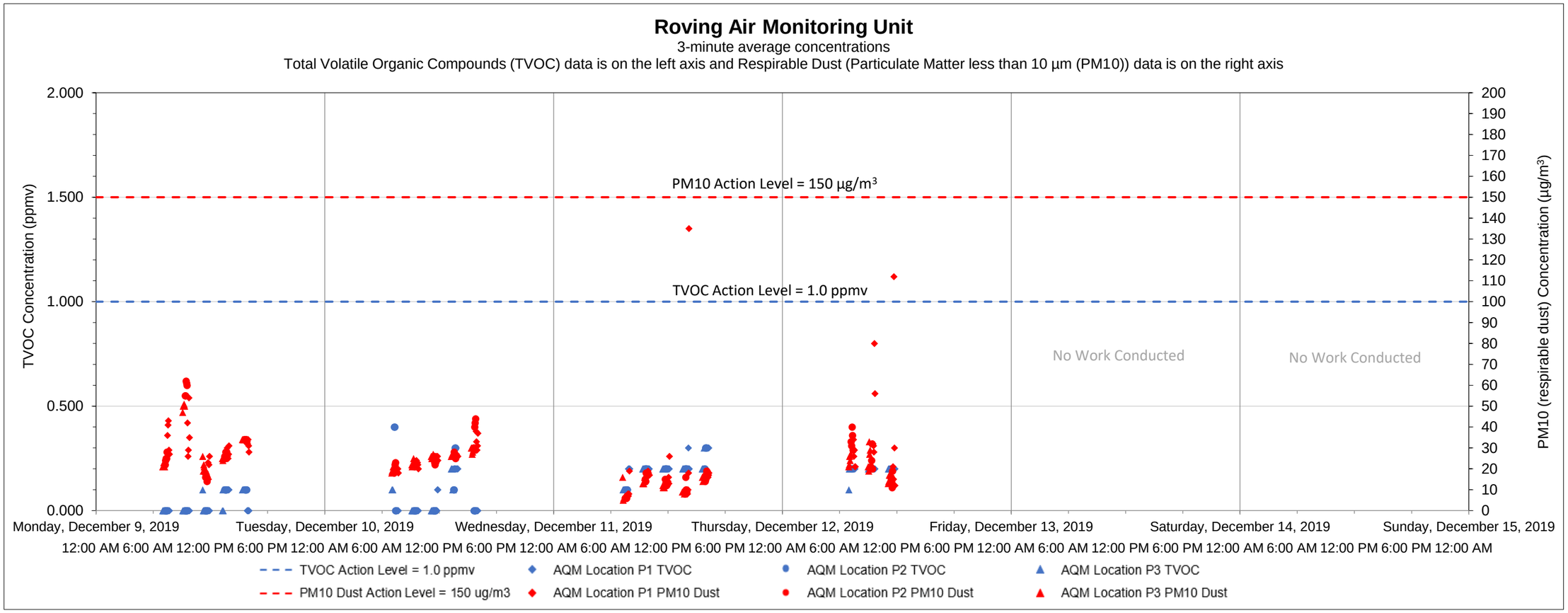
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
12/14/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.12	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	24.20	µg/m^3
PM10 maximum concentration	135	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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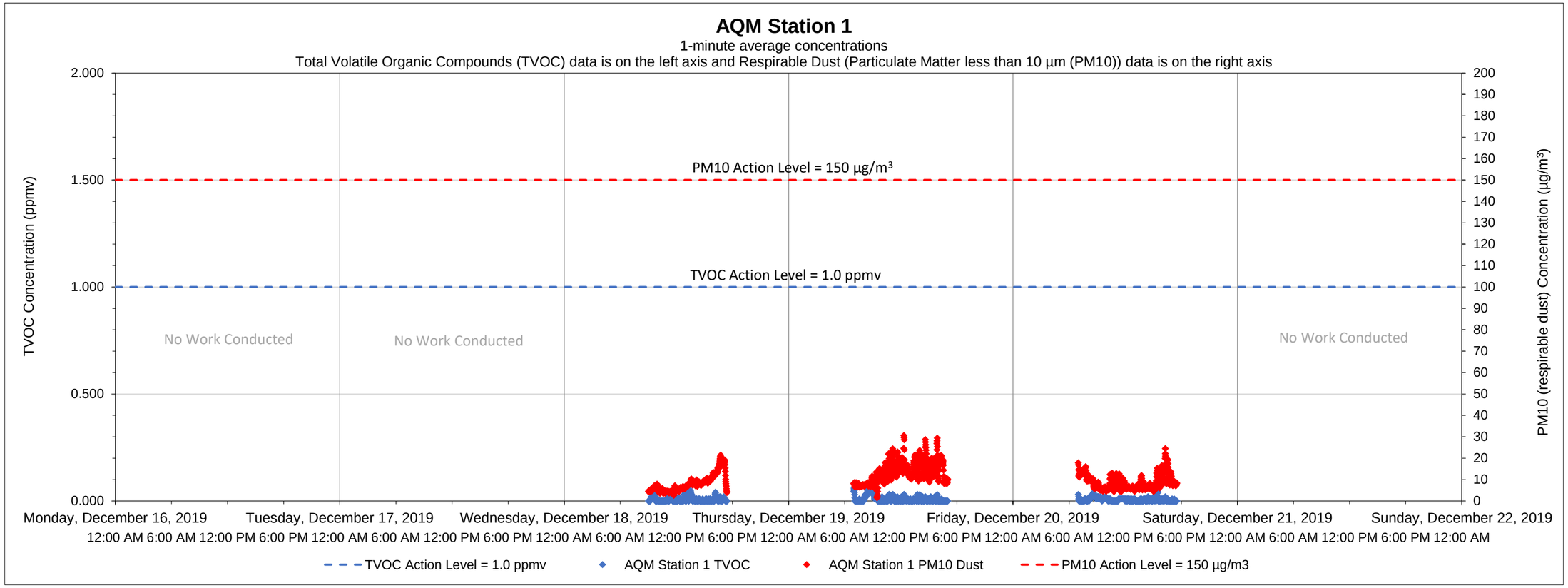
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
12/23/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.06	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.00	µg/m^3
PM10 maximum concentration	30.58	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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Liquefaction Facility Project -
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121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

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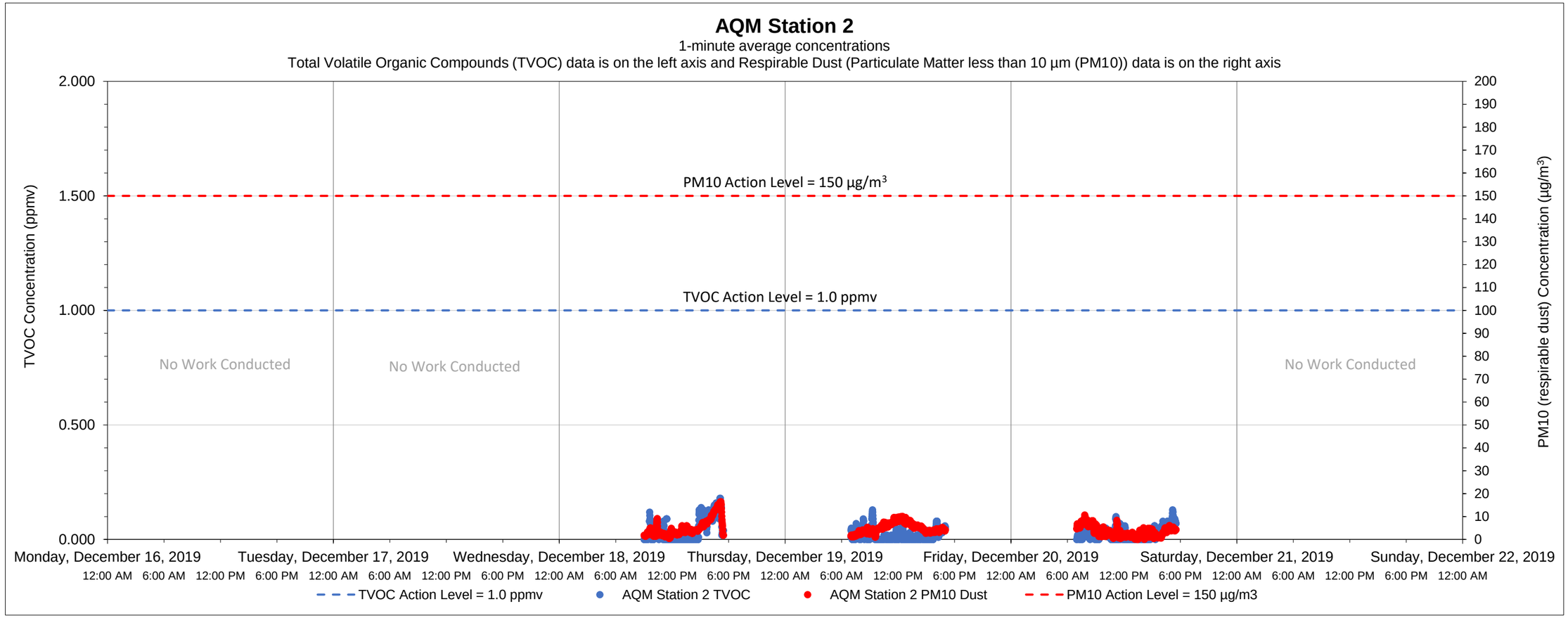
12/23/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.48	µg/m^3
PM10 maximum concentration	16.51	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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STRAP Perimeter Air Quality Monitoring (AQM)
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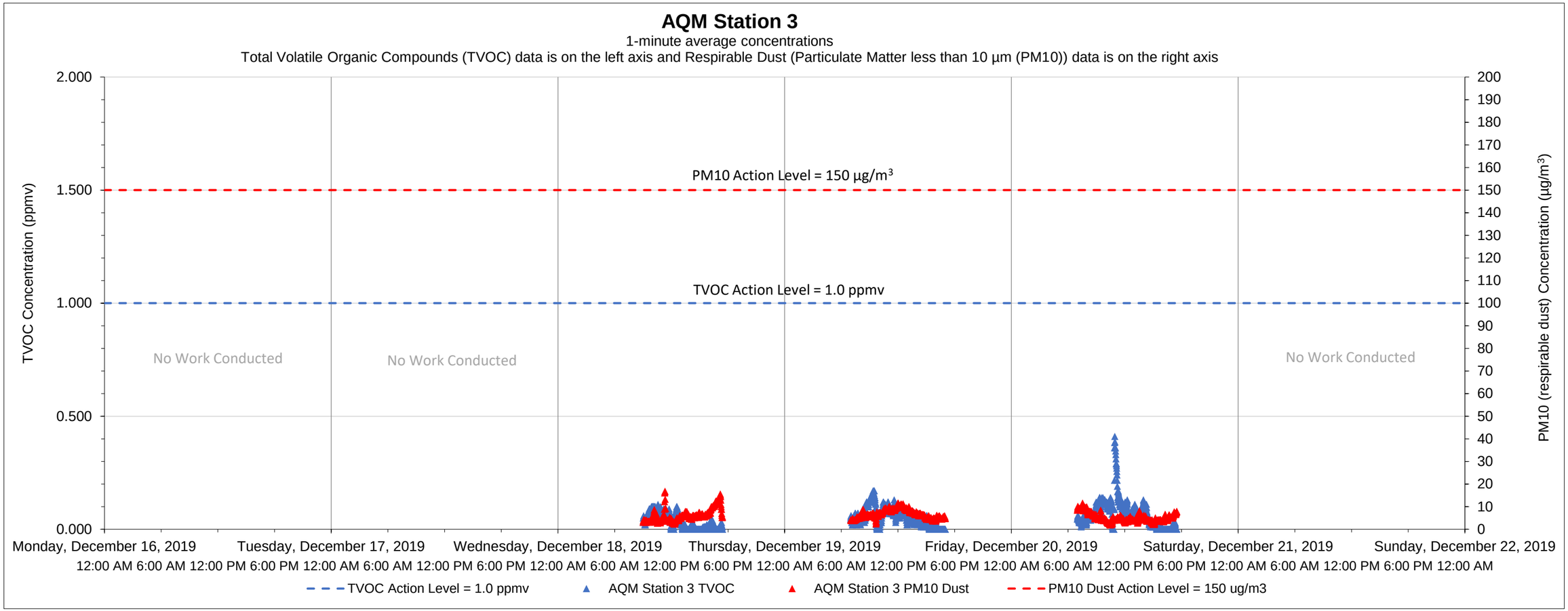

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.41	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.98	µg/m^3
PM10 maximum concentration	16.79	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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GZA Job No. 03.0033554.04

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Liquefaction Facility Project -

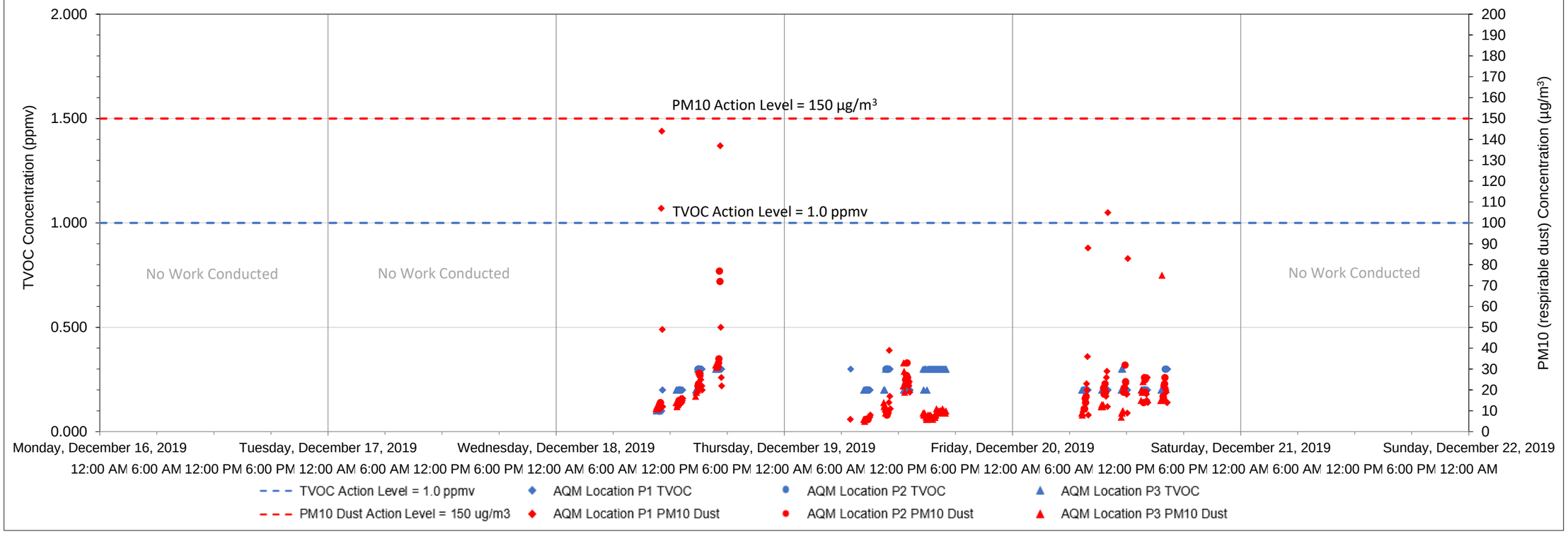
STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

Roving Air Monitoring Unit

3-minute average concentrations

Total Volatile Organic Compounds (TVOC) data is on the left axis and Respirable Dust (Particulate Matter less than 10 µm (PM10)) data is on the right axis



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.23	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.90	µg/m^3
PM10 maximum concentration	144	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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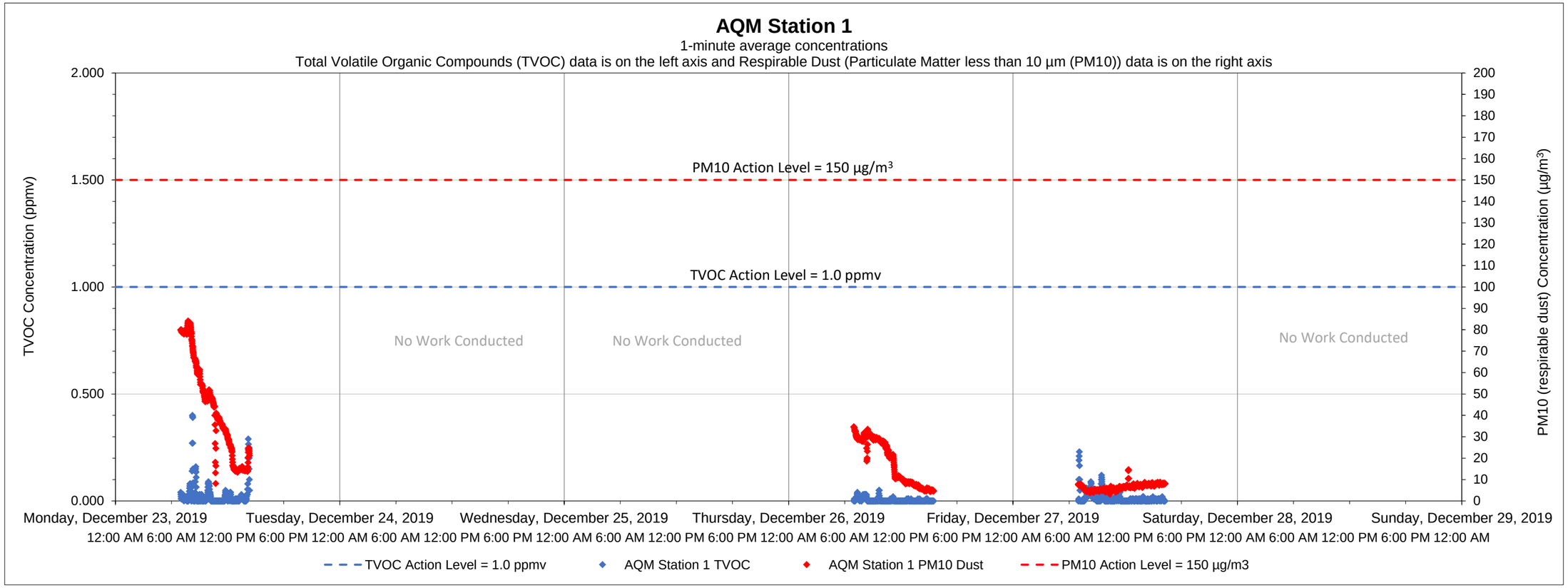
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
12/27/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.08	µg/m^3
PM10 maximum concentration	84.17	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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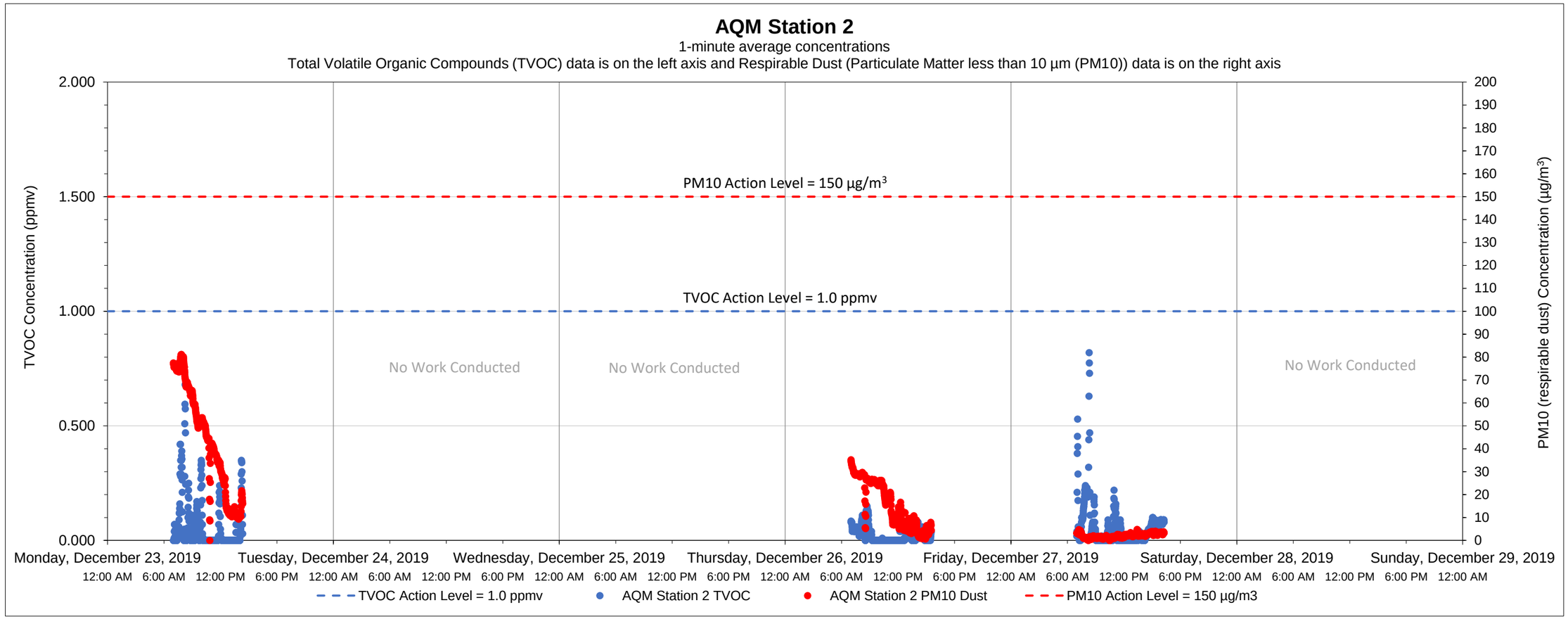
Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04

12/27/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.82	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.73	µg/m^3
PM10 maximum concentration	81.18	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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STRAP Perimeter Air Quality Monitoring (AQM)
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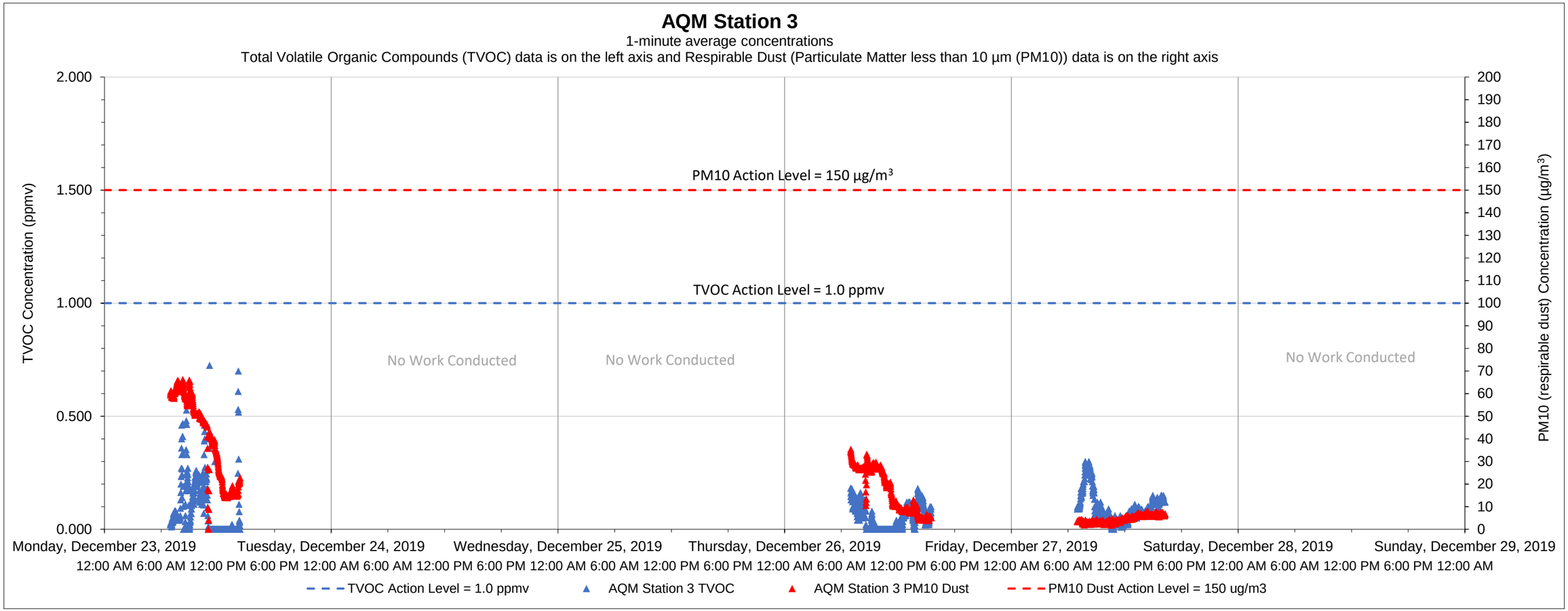
12/27/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	0.72	ppm
TVOCs action level	1	ppm
PM10 average concentration	19.42	µg/m^3
PM10 maximum concentration	66.16	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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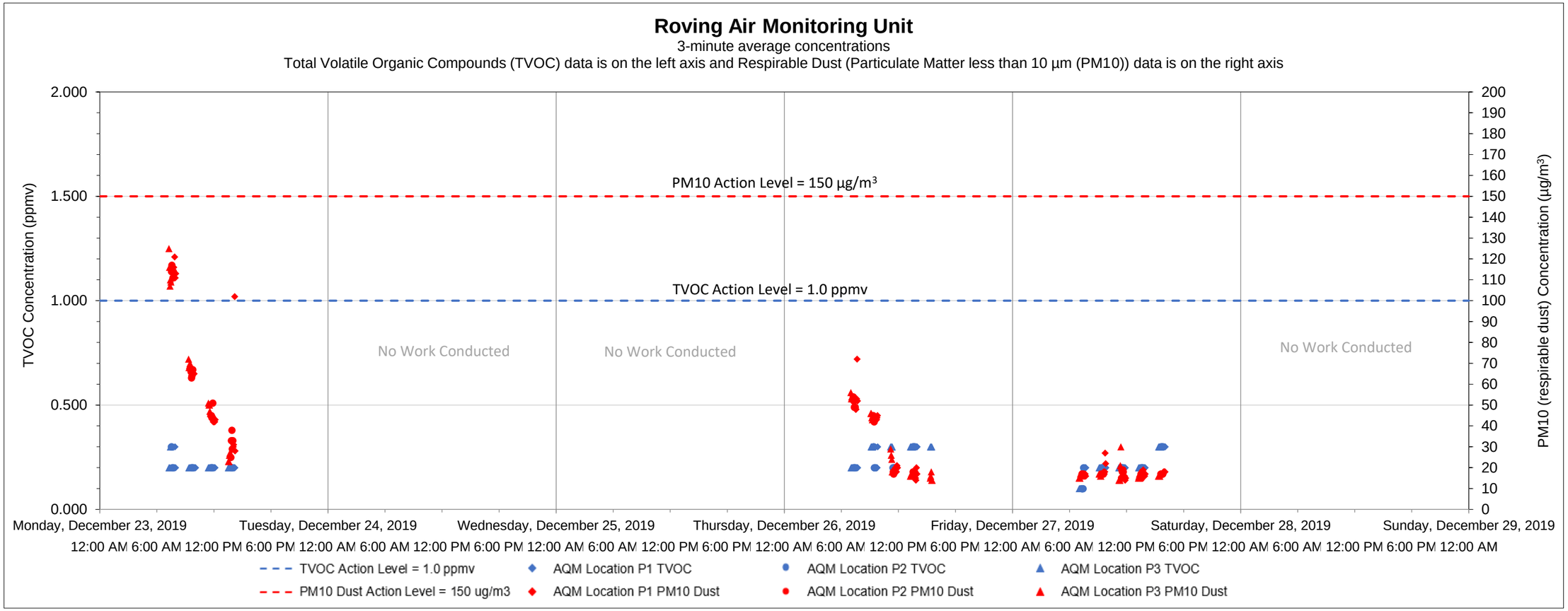
12/27/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.22	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	36.04	µg/m^3
PM10 maximum concentration	125	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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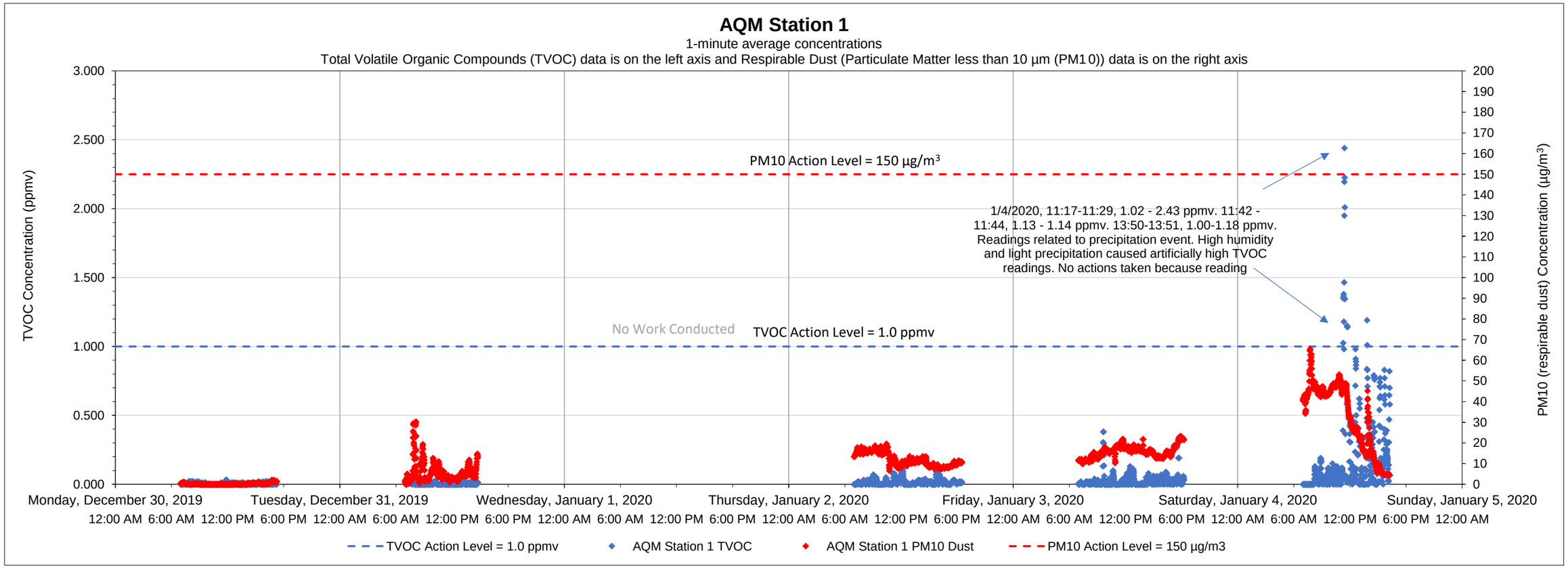
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
1/6/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
1/4/2020	11:17	TVOCs	1.02-2.44	No actions taken, readings were not attributed to ongoing site work.

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	2.44	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.15	µg/m^3
PM10 maximum concentration	65.55	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
1/4/2020 - Precipitation events caused sustained action level exceedances. Equipment temporarily removed from service and calibrated. A handheld PID was utilized to confirm that the station's readings were innacurate, and the site was checked for odors. Readings can be attributed to moisture from high humidity and precipitation entering the equipment box. Further troubleshooting planned for Monday 1/6/2020.

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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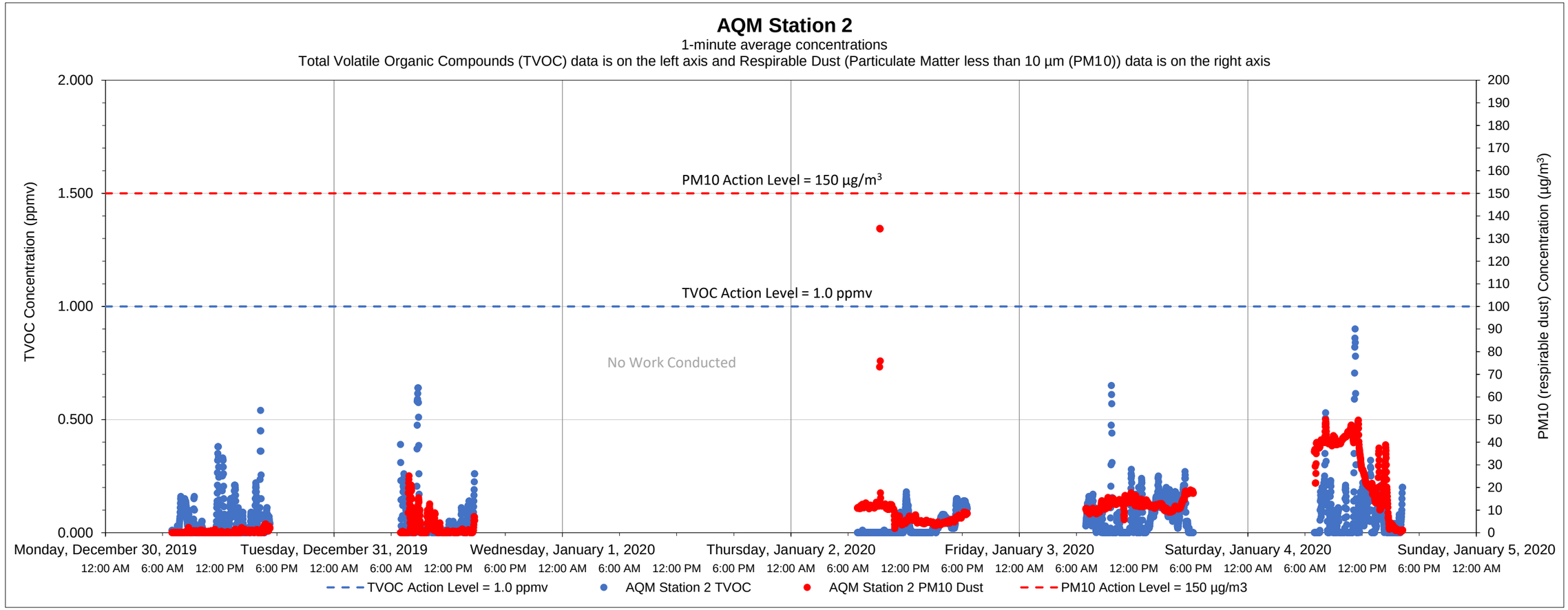
1/6/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.90	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.34	µg/m^3
PM10 maximum concentration	134.43	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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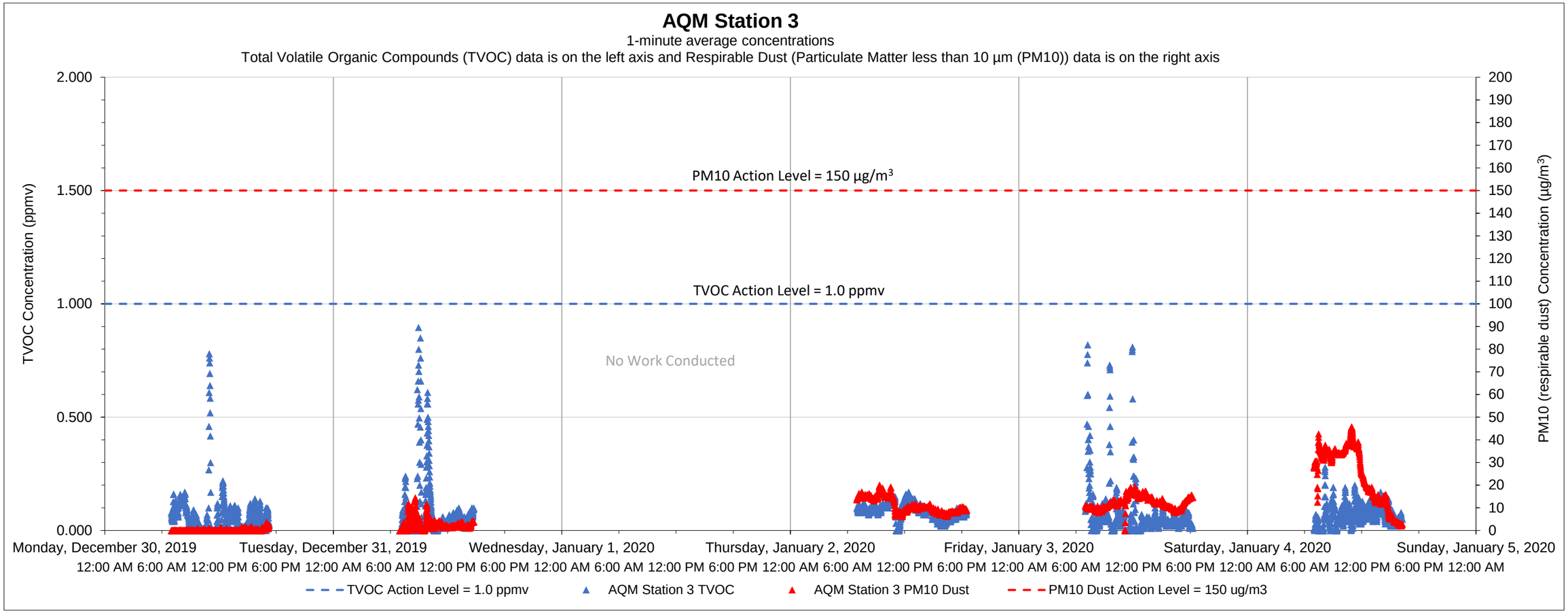
1/6/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	0.90	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.37	µg/m^3
PM10 maximum concentration	45.72	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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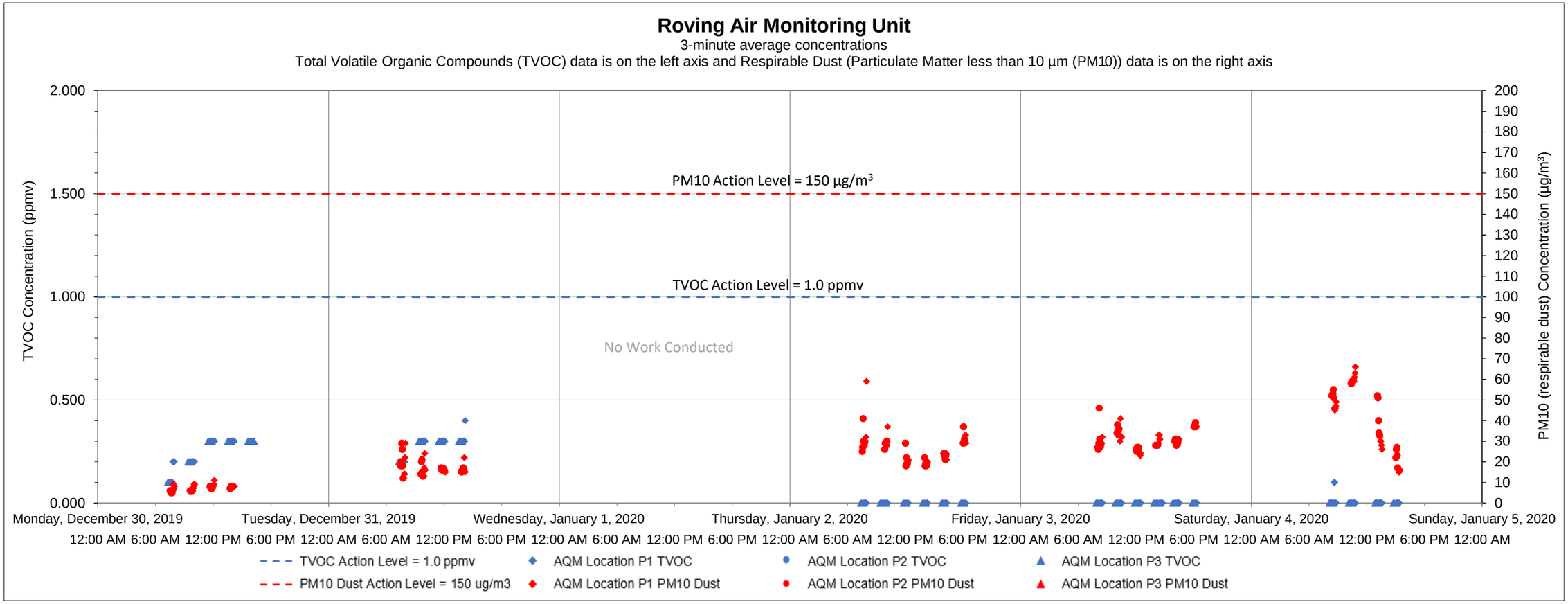
1/6/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	24.27	µg/m^3
PM10 maximum concentration	66	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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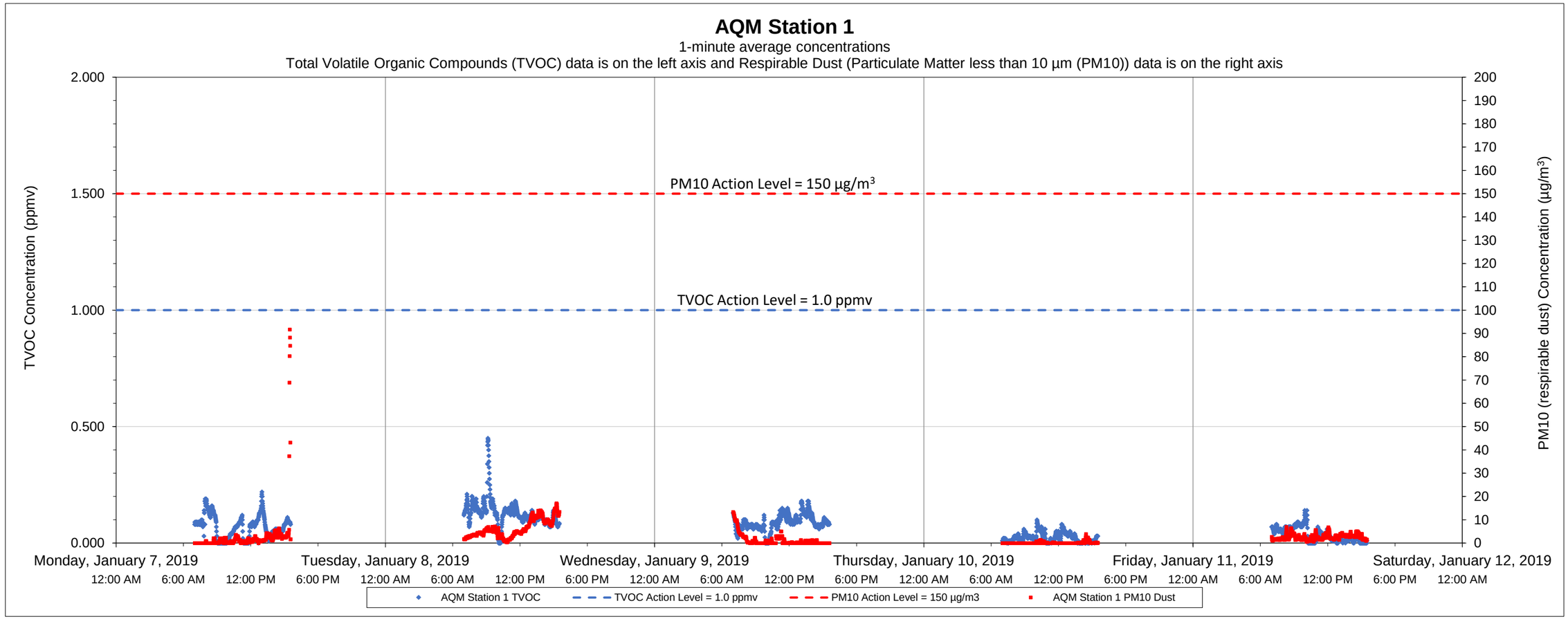

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.45	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.53	µg/m^3
PM10 maximum concentration	91.71	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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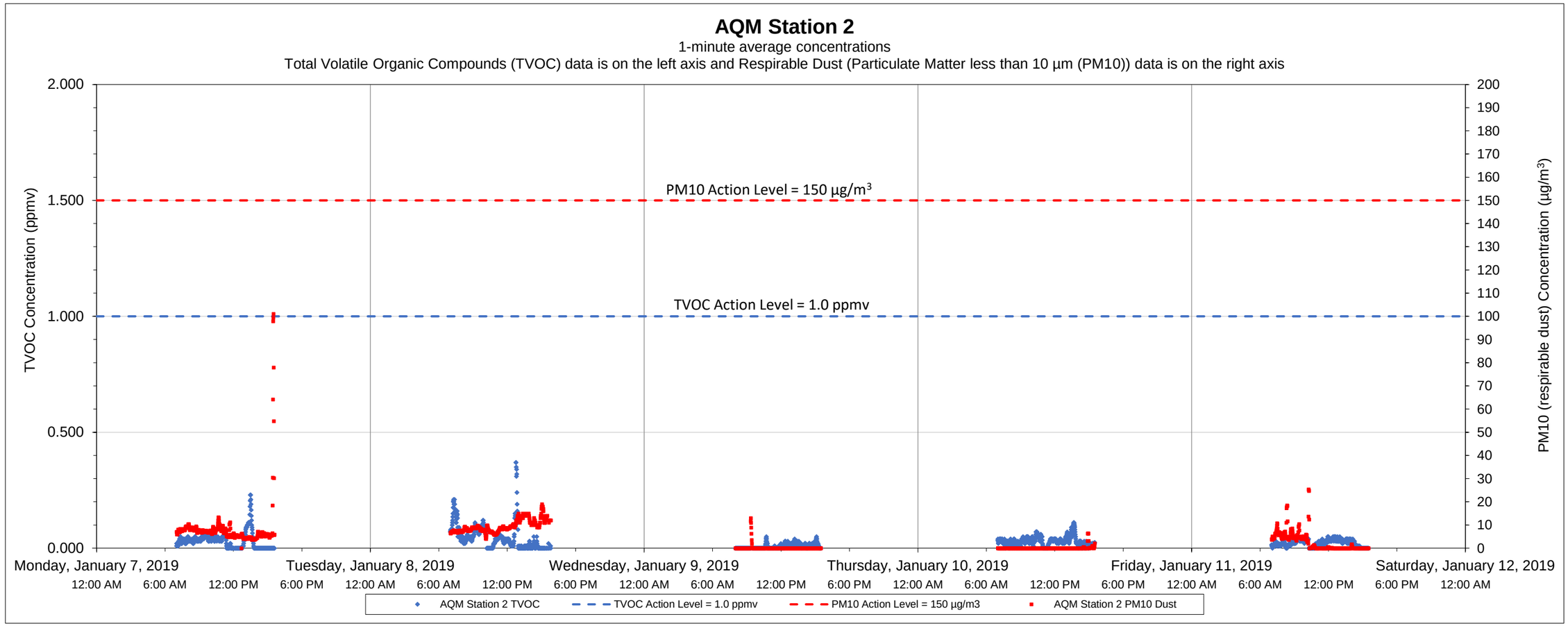

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.37	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.07	µg/m^3
PM10 maximum concentration	101.08	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
1/9/2019 - Power outage noted at 7:00AM. Power restored at 8:09AM. No soil disturbance work of any kind was occurring during this time frame.

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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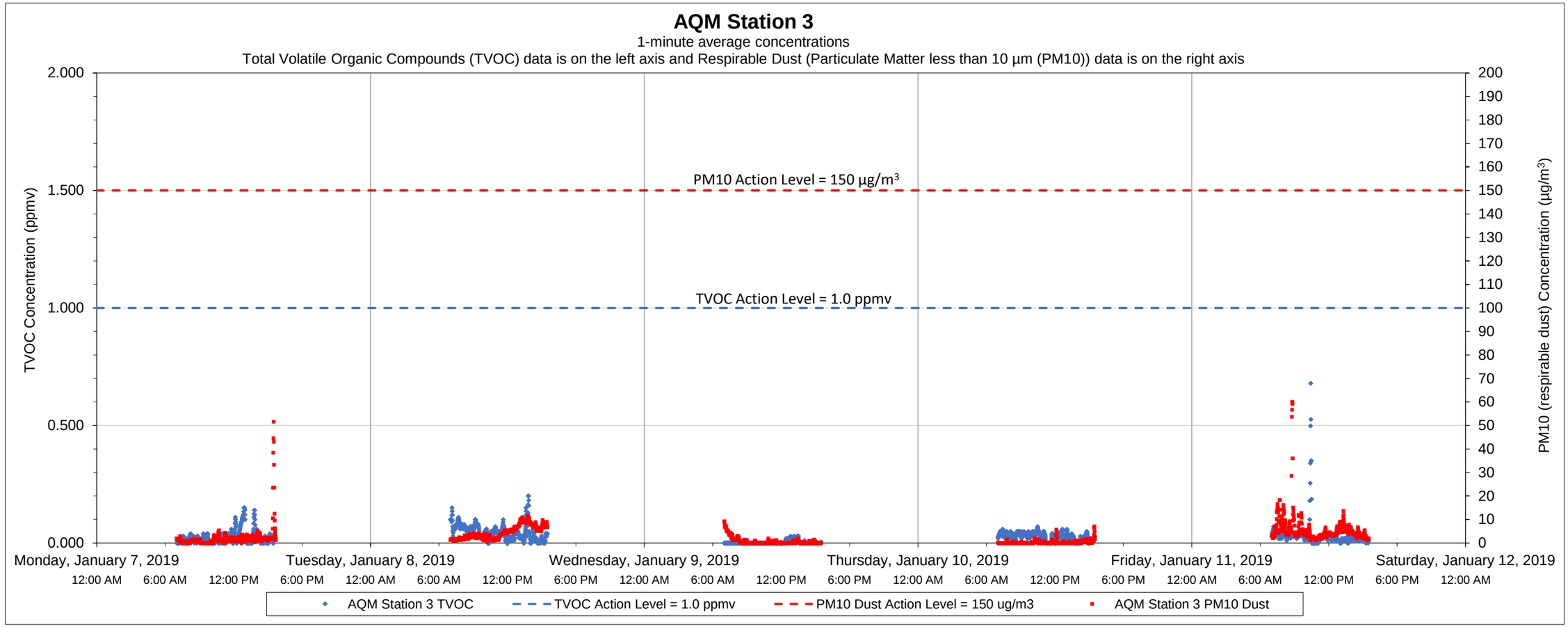


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.68	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.65	µg/m^3
PM10 maximum concentration	60.12	µg/m^3
PM10 action level	150	µg/m^3

Notes:

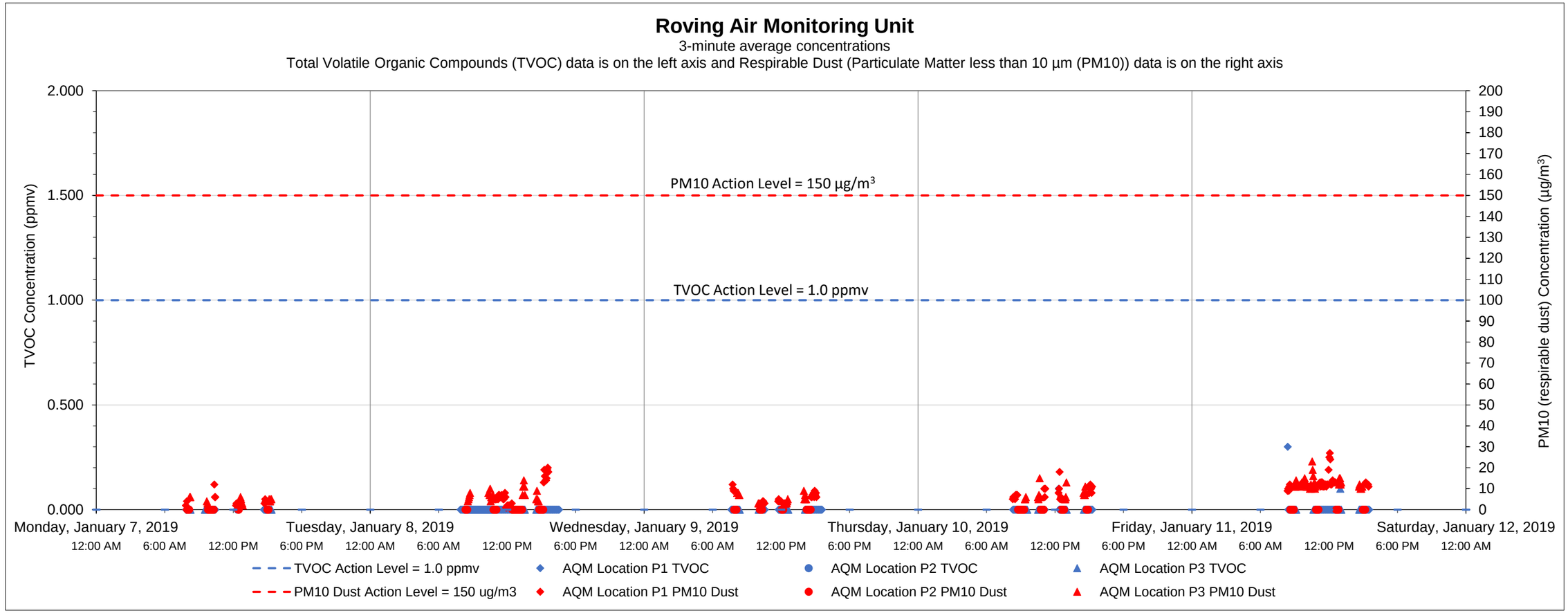
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by National Grid LNG LLC
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
1/14/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.90	µg/m^3
PM10 maximum concentration	27.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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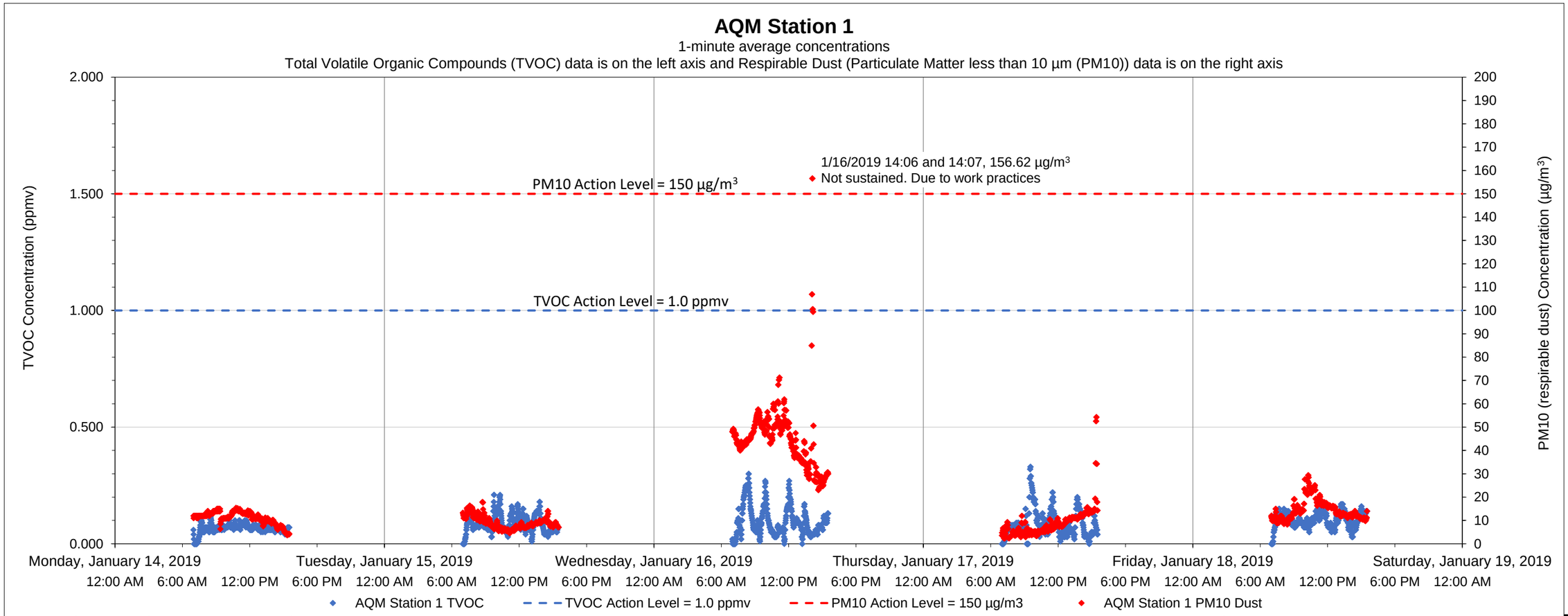
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
1/18/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	0.33	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.54	µg/m^3
PM10 maximum concentration	156.62	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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2) The location of each AQM Station is presented on the attached summary figure.
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GZA Job No. 03.0033554.04
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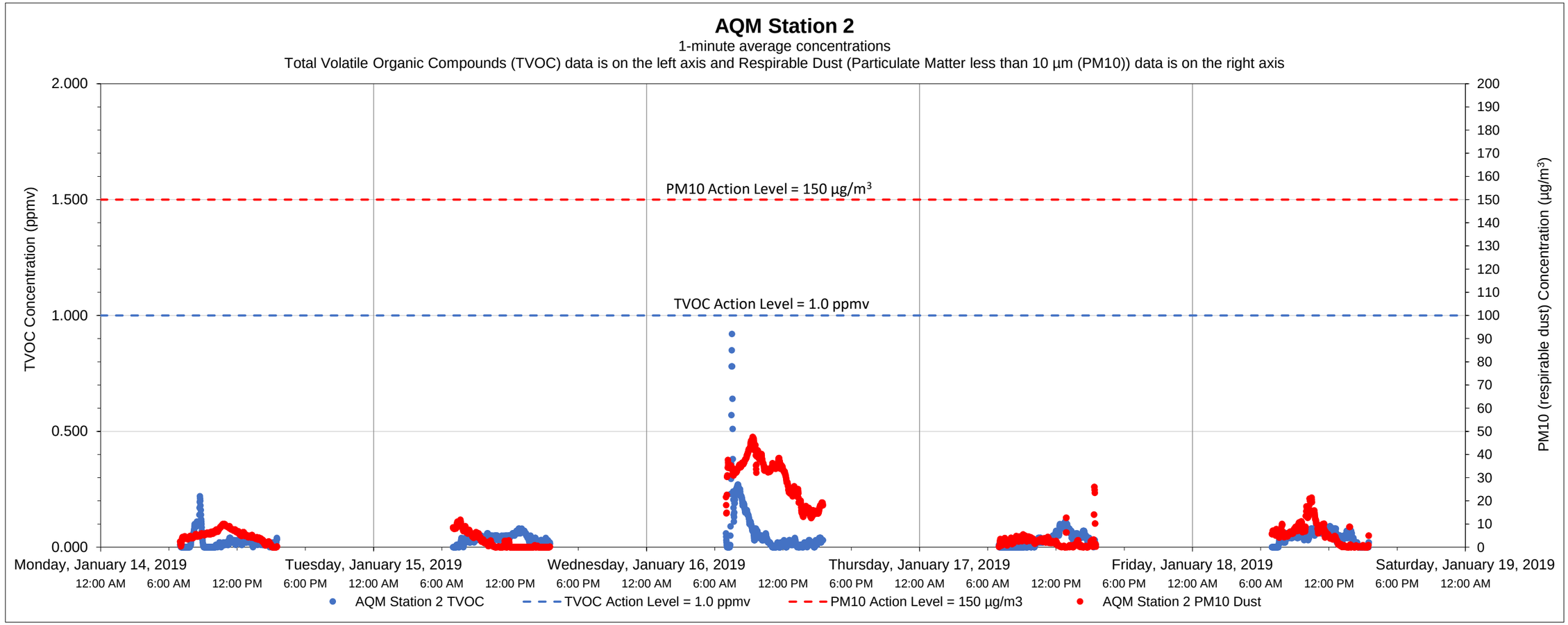

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.92	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.94	µg/m^3
PM10 maximum concentration	47.52	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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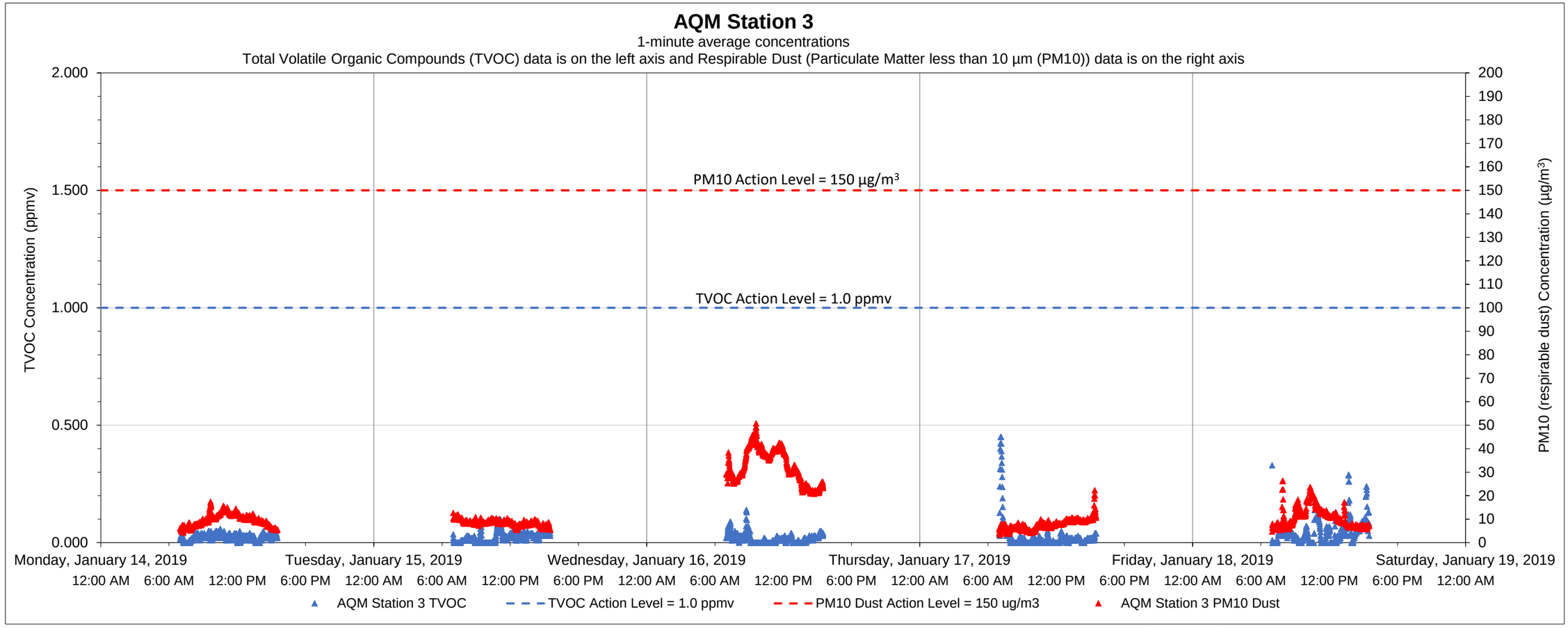

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.45	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.88	µg/m^3
PM10 maximum concentration	50.87	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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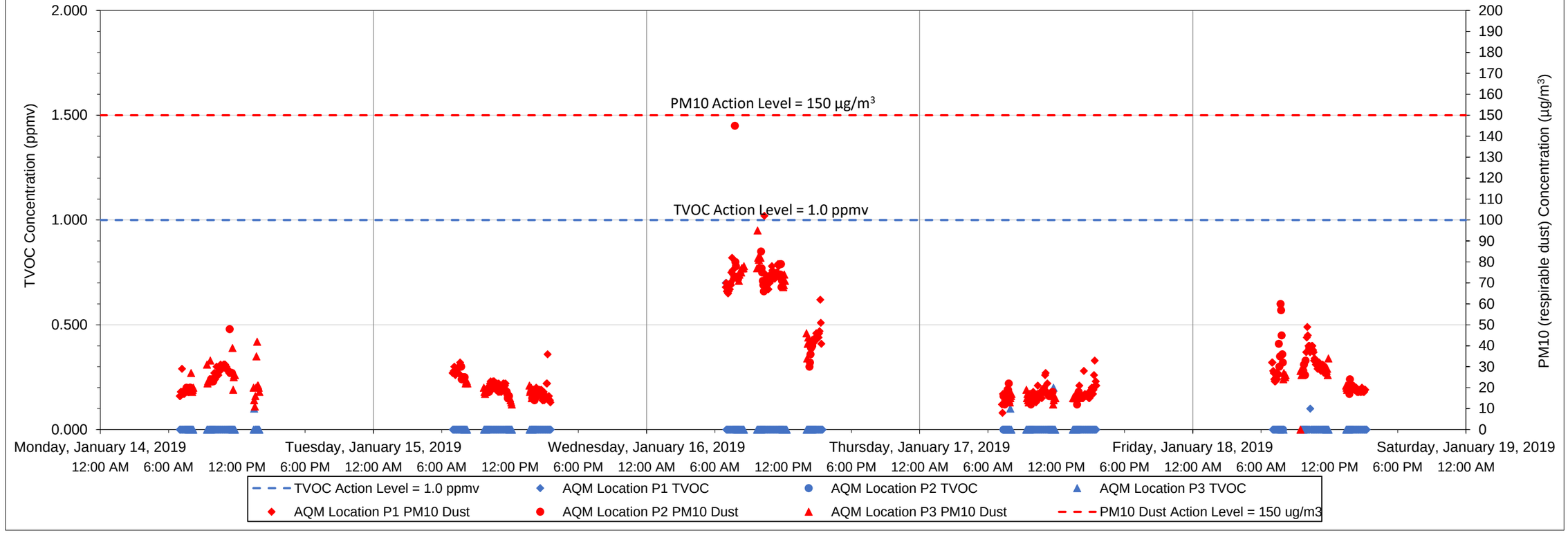
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
1/18/2019

Roving Air Monitoring Unit

3-minute average concentrations
Total Volatile Organic Compounds (TVOC) data is on the left axis and Respirable Dust (Particulate Matter less than 10 µm (PM10)) data is on the right axis



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	32.33	µg/m^3
PM10 maximum concentration	145.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

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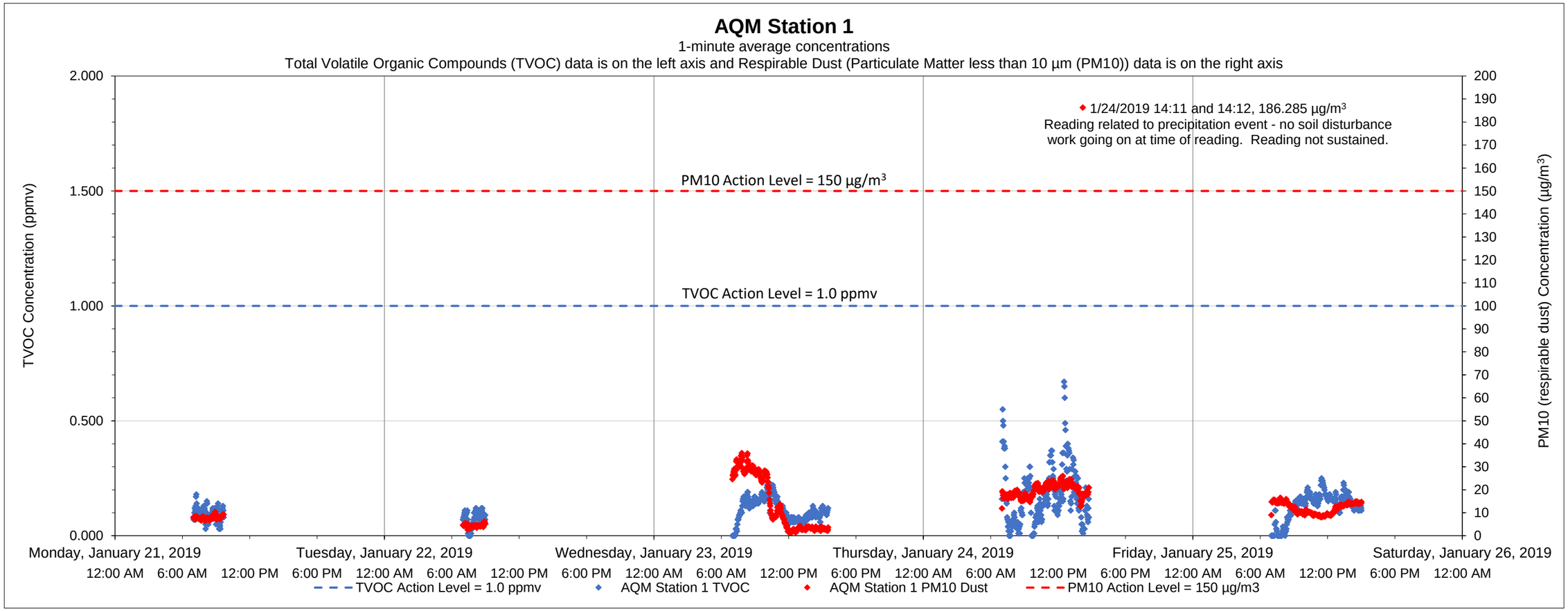
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
1/28/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.13	ppm
TVOCs maximum concentration	0.67	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.89	µg/m^3
PM10 maximum concentration	186.29	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
1/24/2019 - Precipitation events caused transient action level exceedance at 14:11. Equipment temporarily removed from service and calibrated. No soil disturbance work of any kind was occurring during this time frame.

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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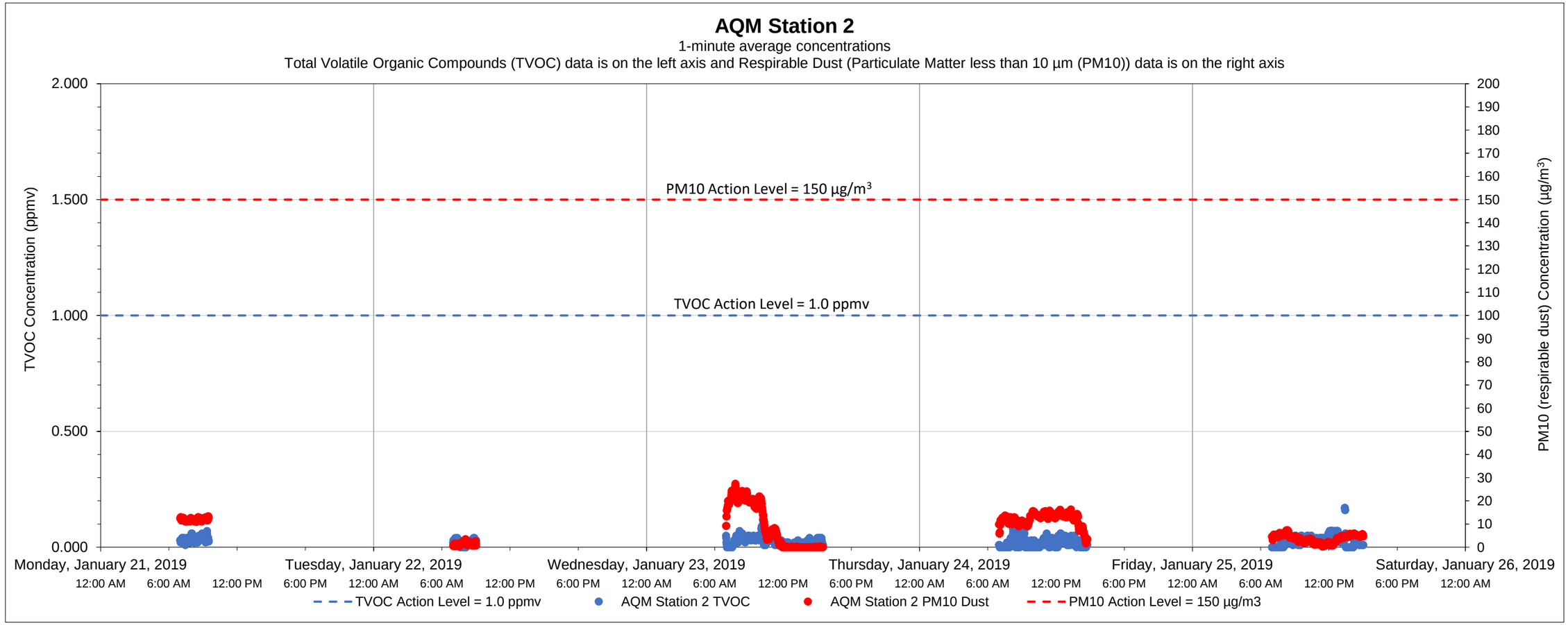
GZA Job No. 03.0033554.04
1/28/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.17	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.05	µg/m^3
PM10 maximum concentration	27.41	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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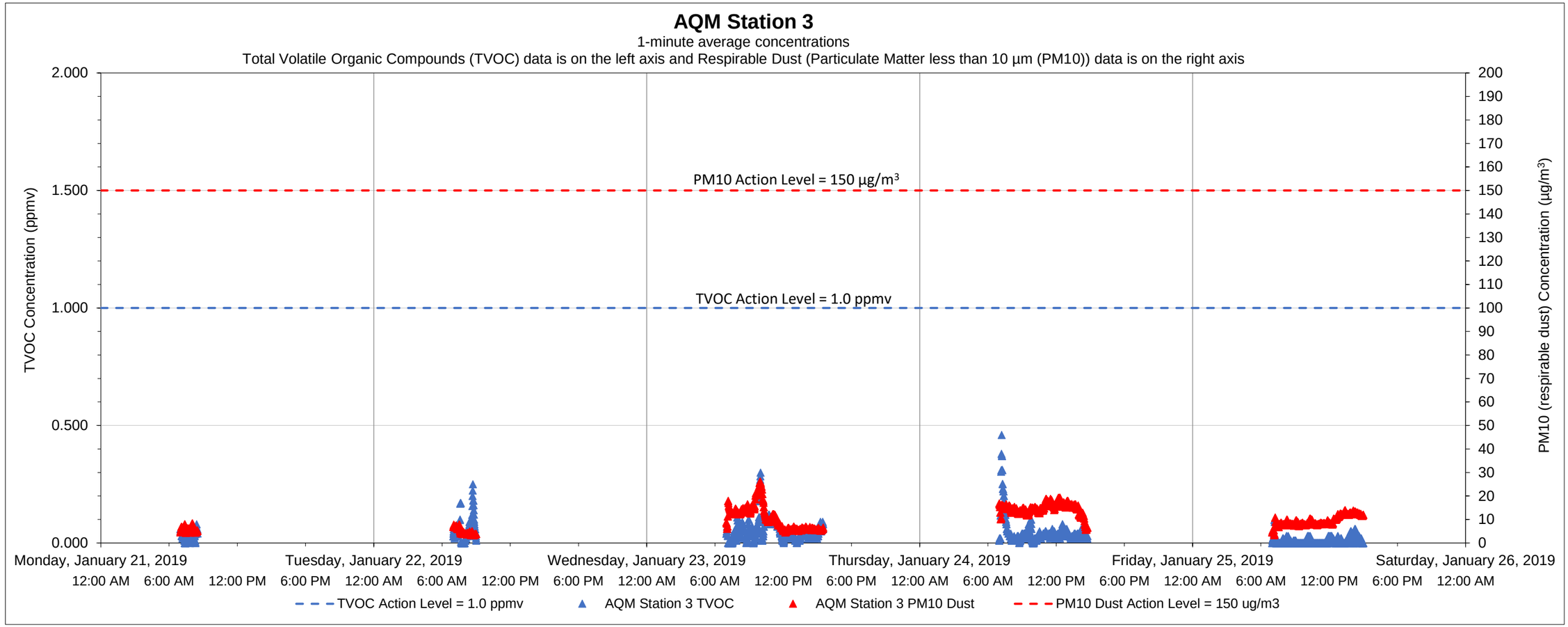
1/28/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.72	µg/m³
PM10 maximum concentration	26.22	µg/m³
PM10 action level	150	µg/m³

Equipment Notes
None

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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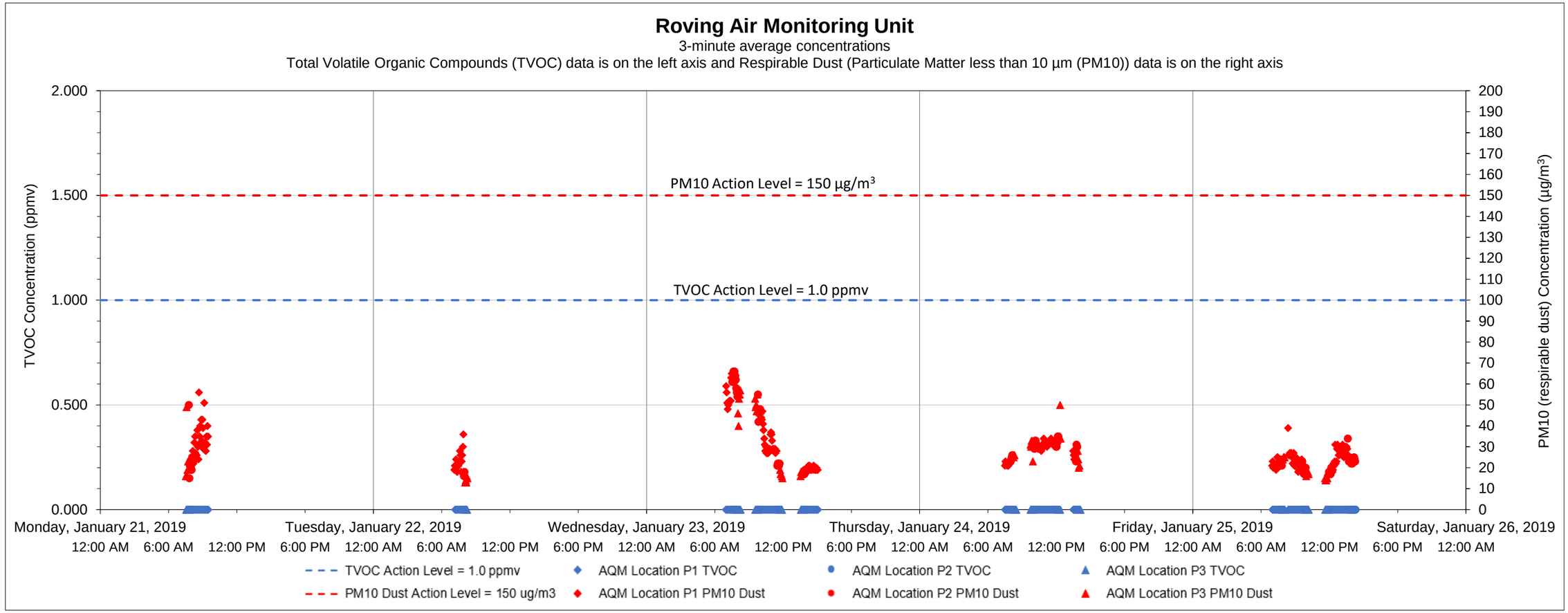
1/28/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.00	ppm
TVOCs action level	1	ppm
PM10 average concentration	28.78	µg/m^3
PM10 maximum concentration	66.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

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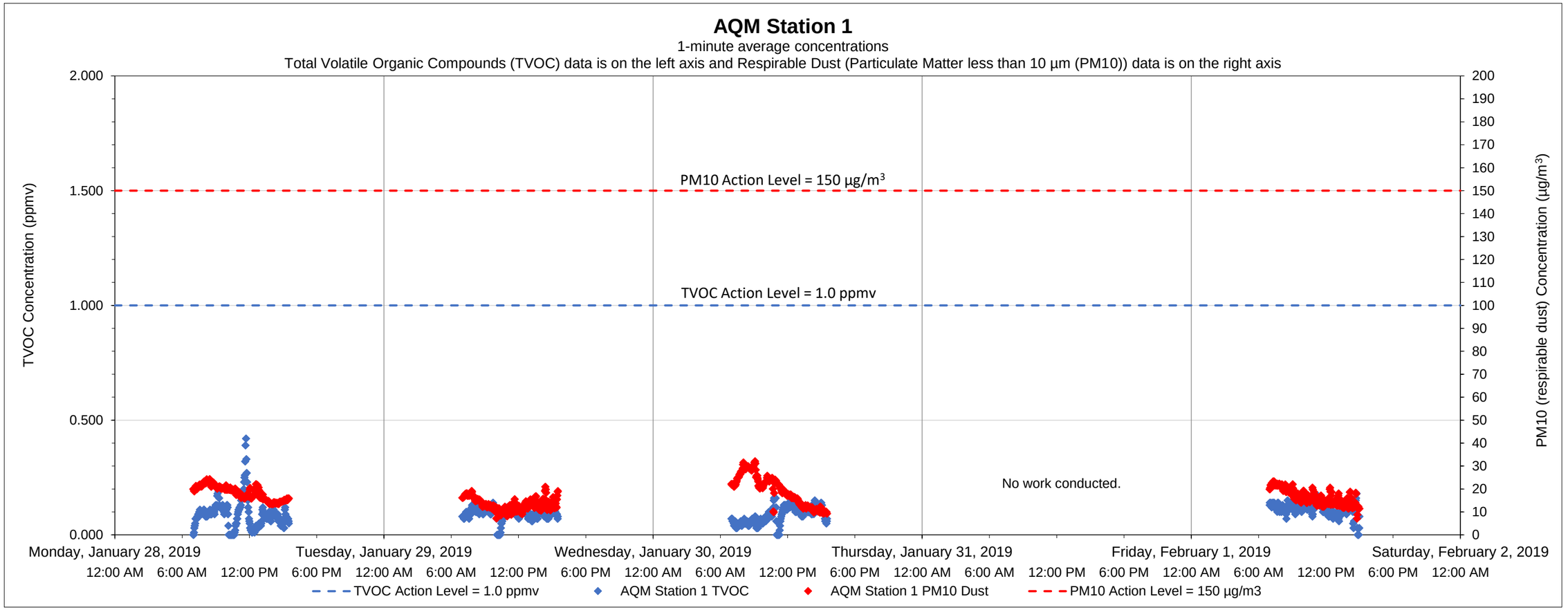
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
2/3/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	0.42	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.81	µg/m^3
PM10 maximum concentration	32.11	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
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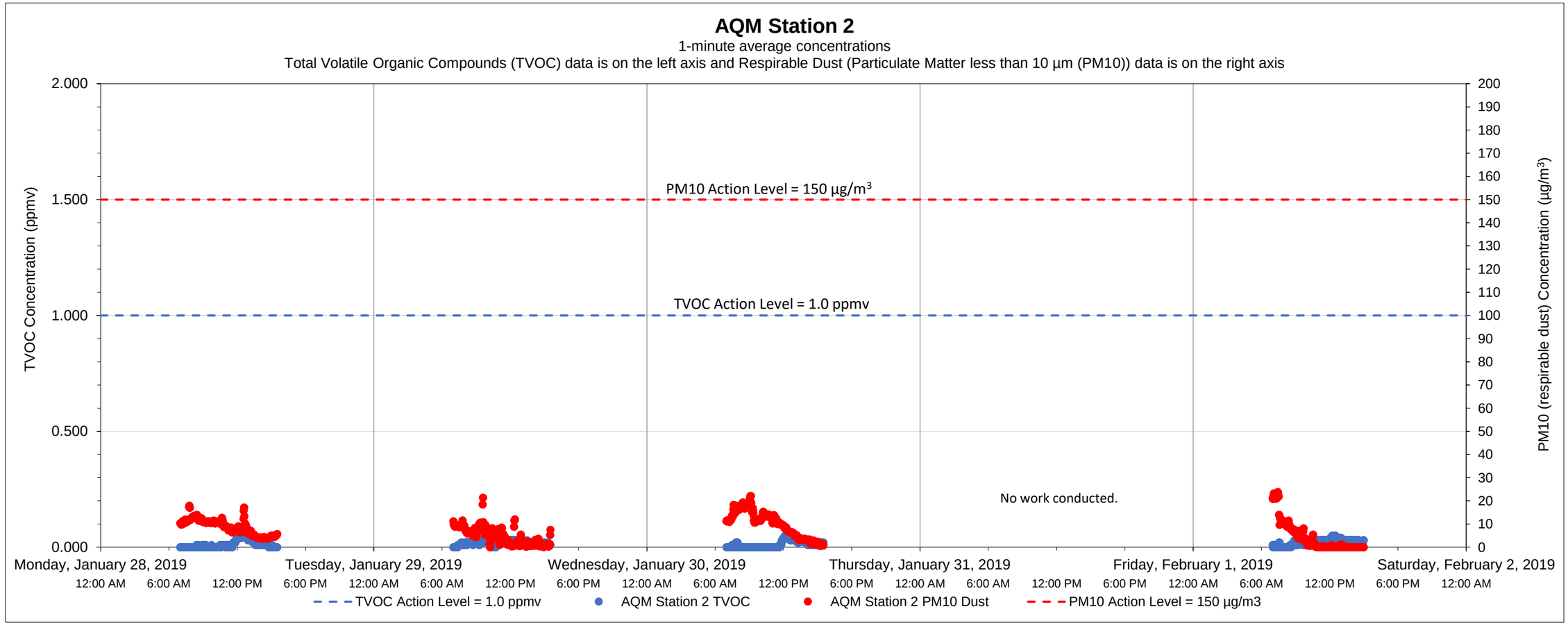

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.06	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.83	µg/m^3
PM10 maximum concentration	23.80	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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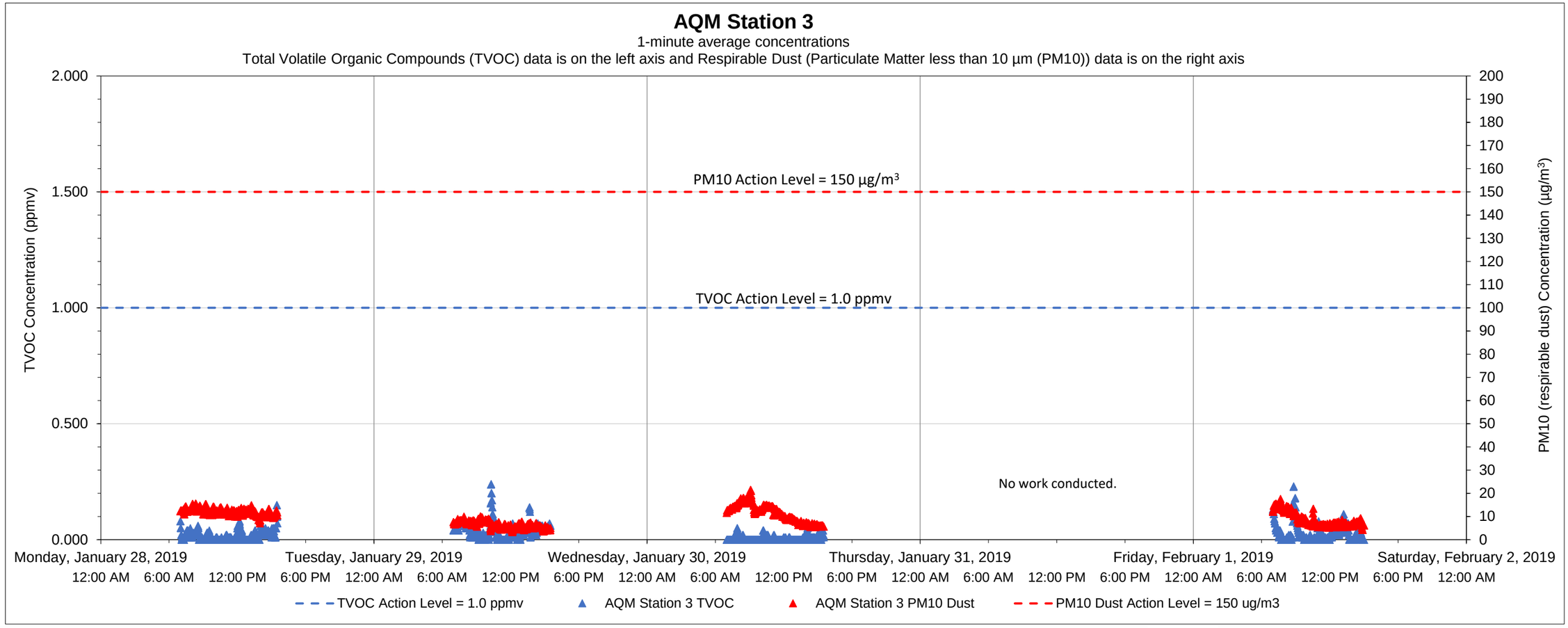

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.62	µg/m^3
PM10 maximum concentration	21.52	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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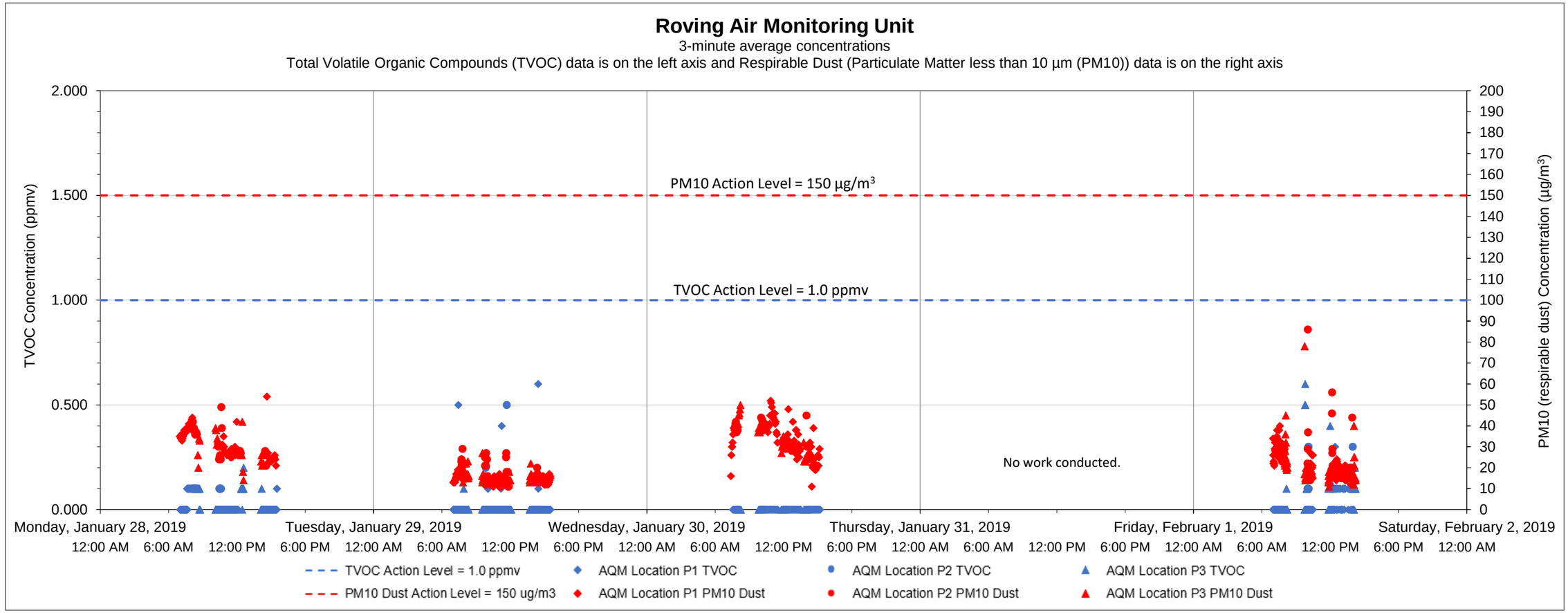

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.60	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.73	µg/m³
PM10 maximum concentration	54.00	µg/m³
PM10 action level	150	µg/m³

Notes:

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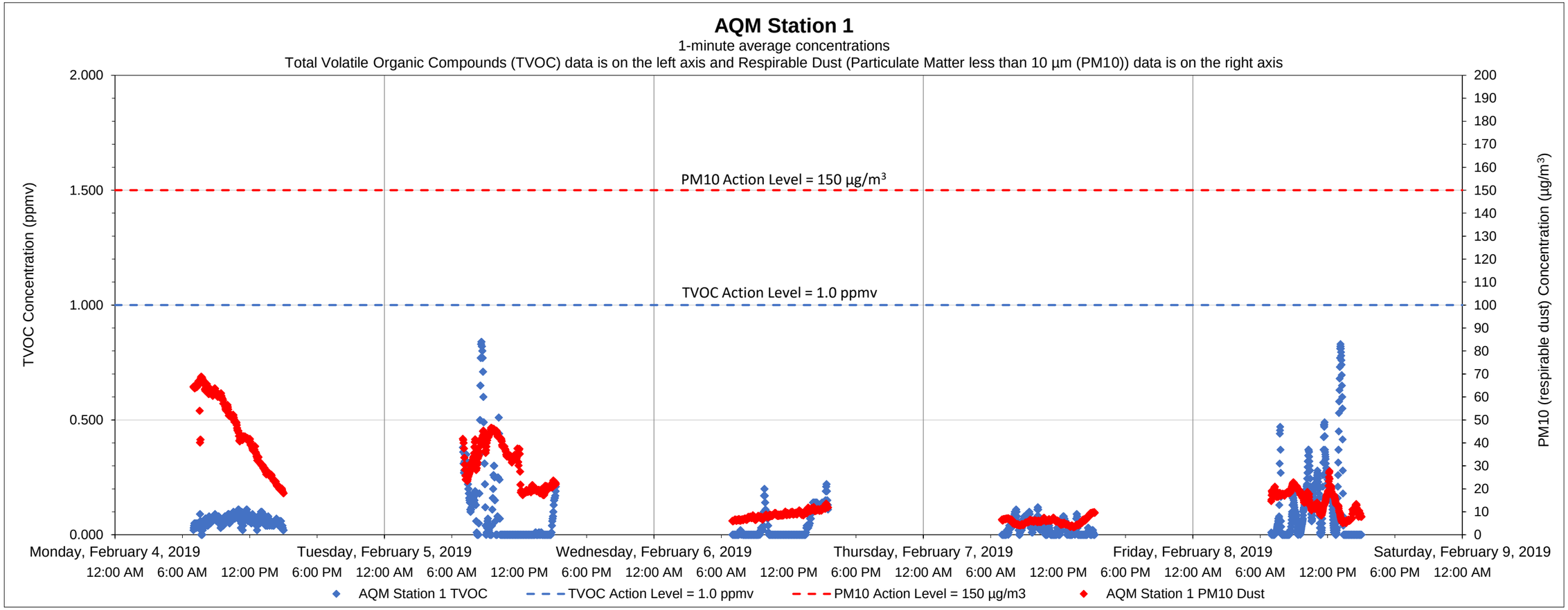

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.84	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.74	µg/m^3
PM10 maximum concentration	68.82	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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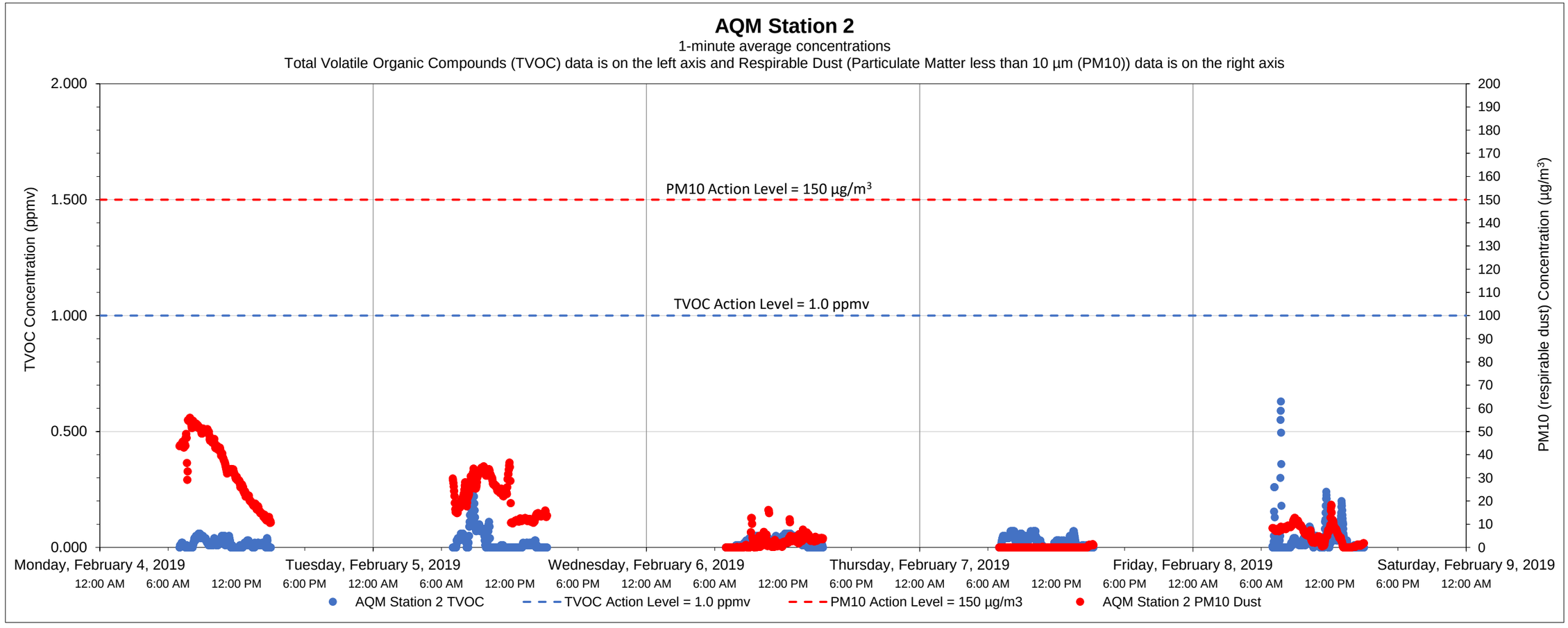

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.63	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.63	µg/m^3
PM10 maximum concentration	55.97	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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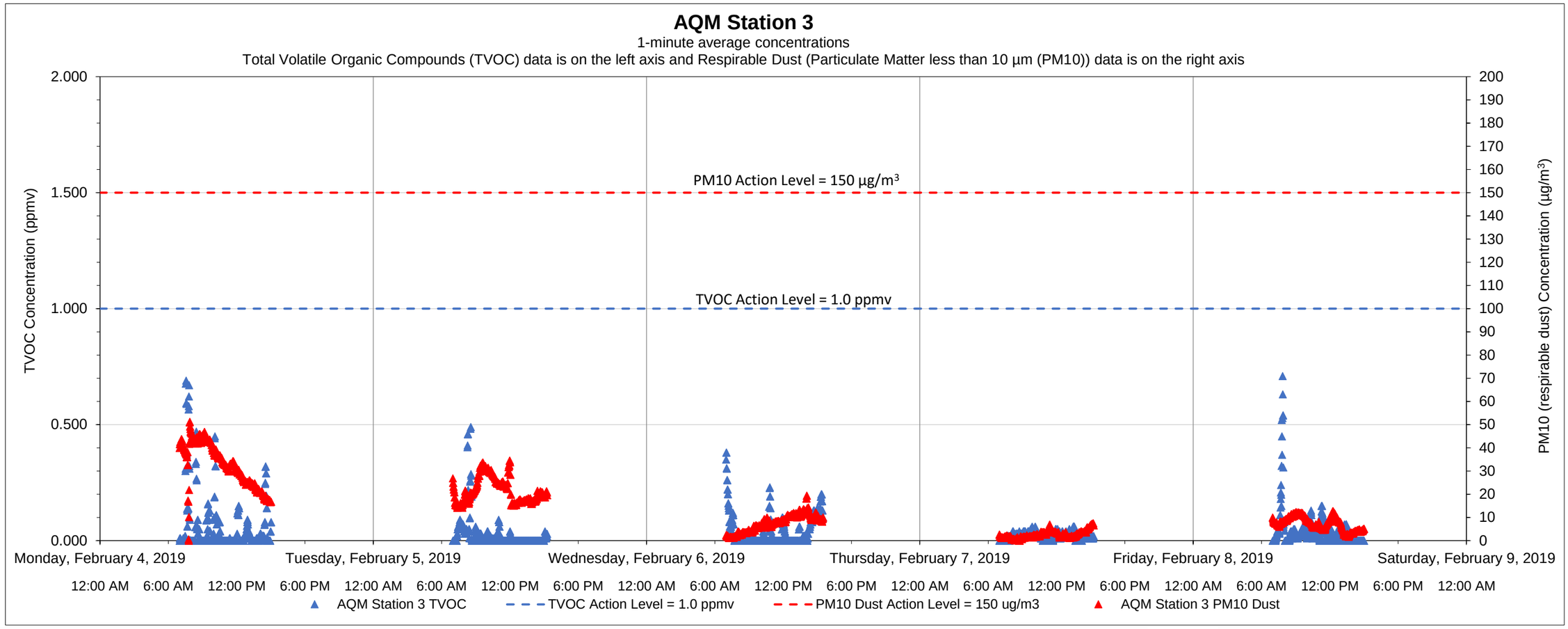

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.71	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.27	µg/m^3
PM10 maximum concentration	51.27	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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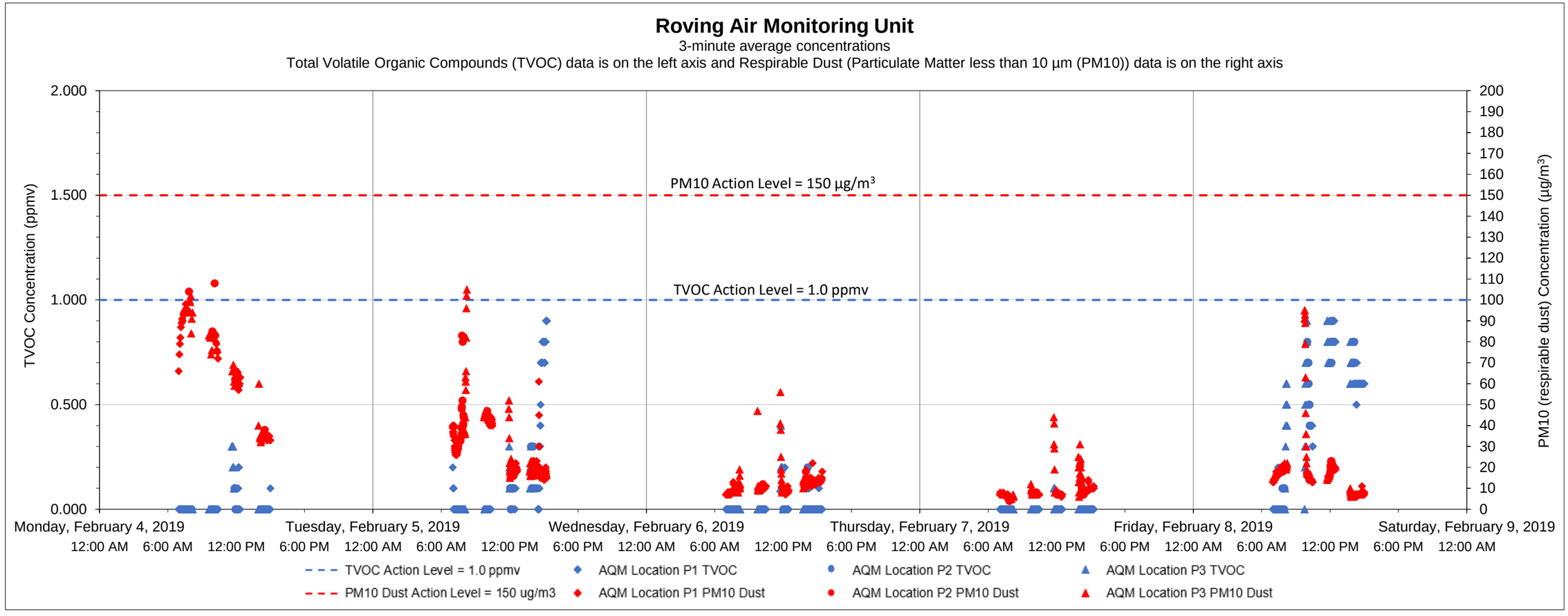
GZA Job No. 03.0033554.04
2/8/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	0.90	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.48	µg/m^3
PM10 maximum concentration	98.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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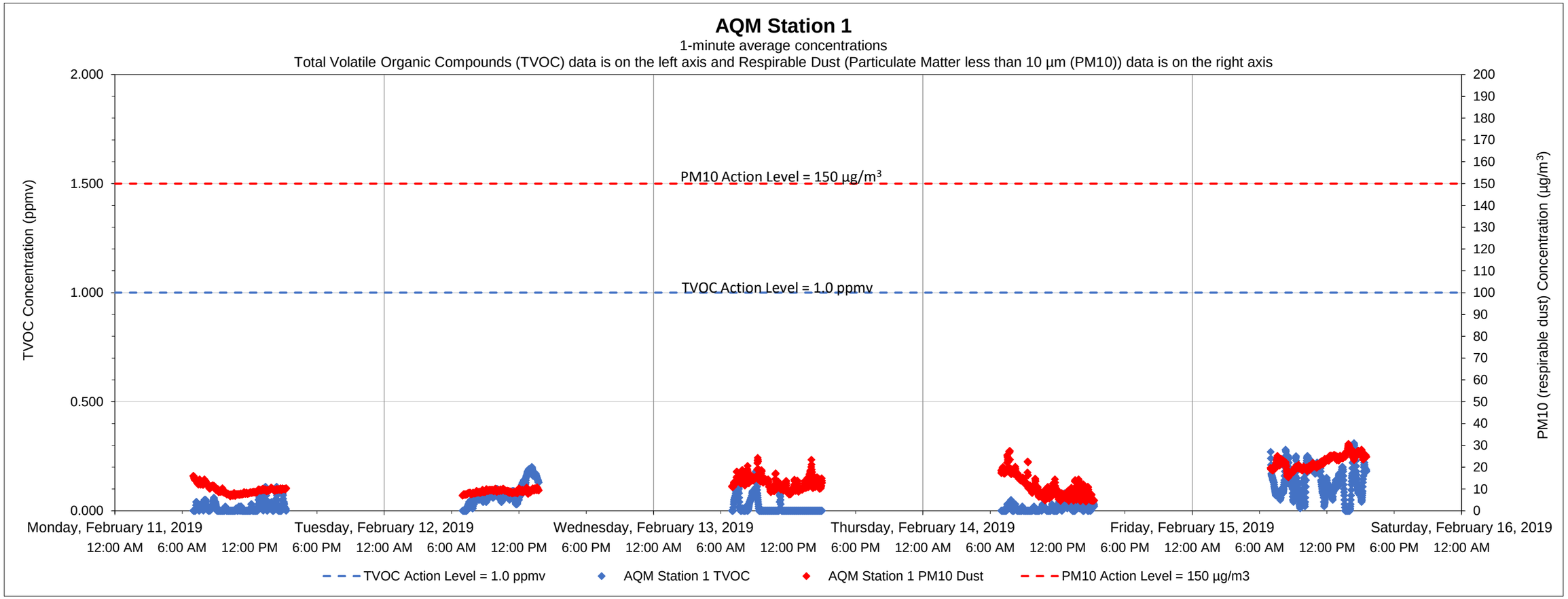
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
2/15/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.07	µg/m^3
PM10 maximum concentration	30.58	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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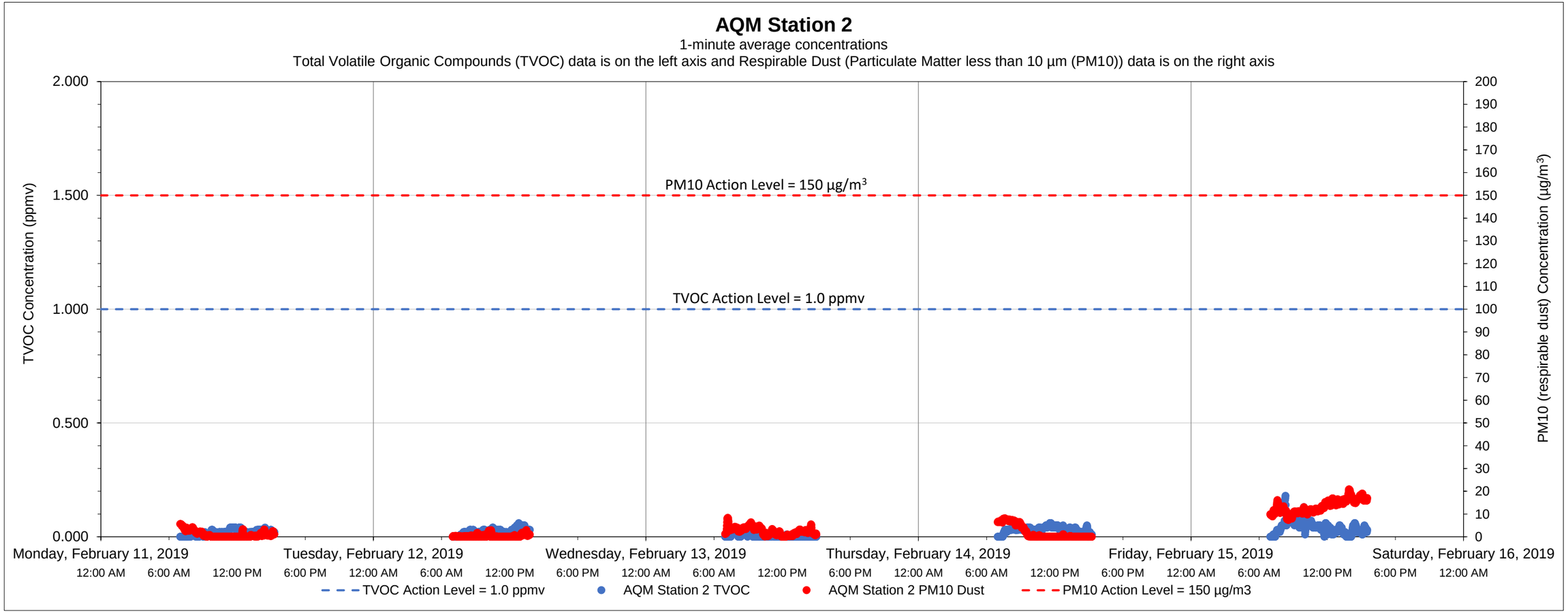

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.01	µg/m^3
PM10 maximum concentration	20.78	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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GZA Job No. 03.0033554.04
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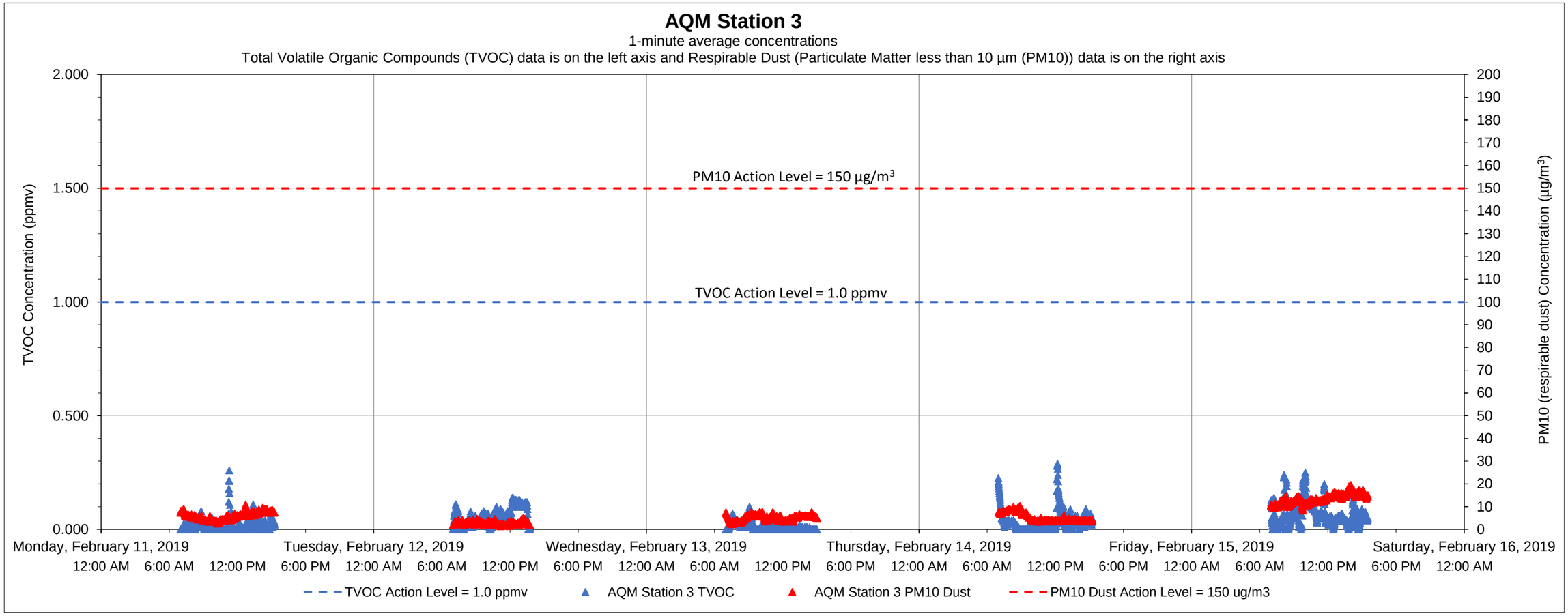

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.29	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.84	µg/m^3
PM10 maximum concentration	19.56	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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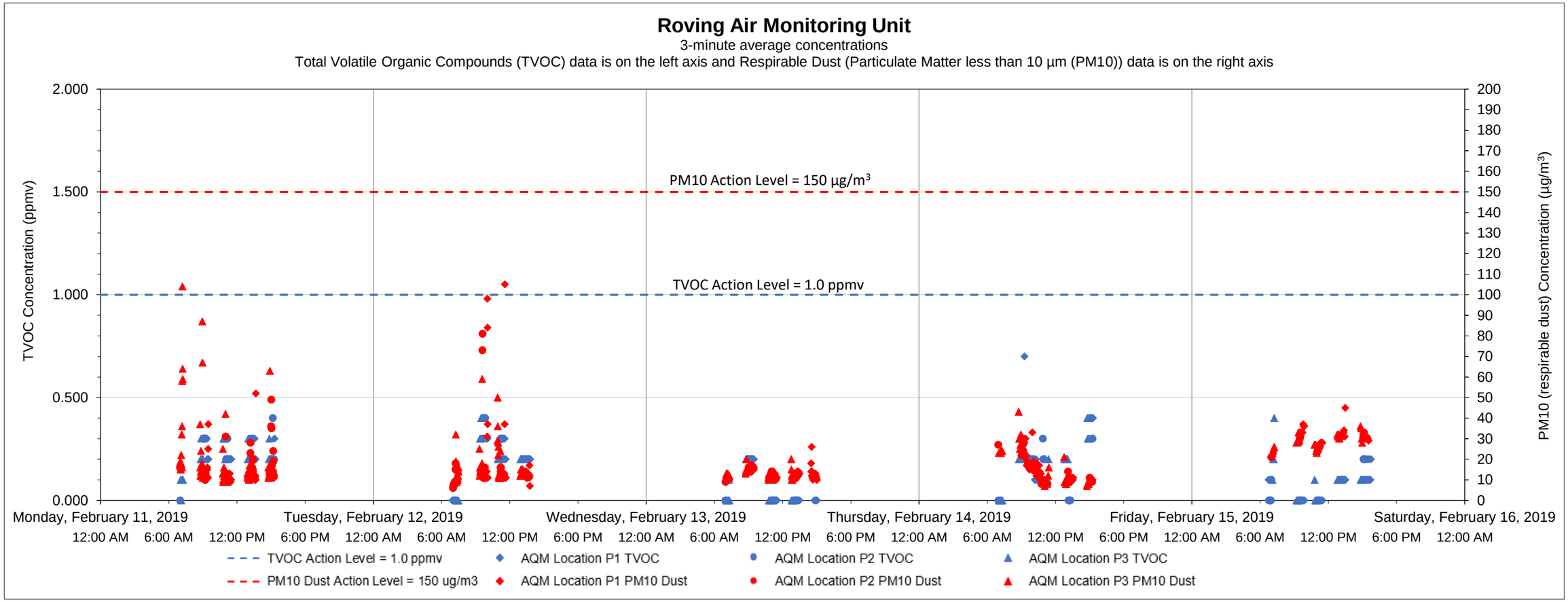

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.14	ppm
TVOCs maximum concentration	0.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.50	µg/m^3
PM10 maximum concentration	105	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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Liquefaction Facility Project -
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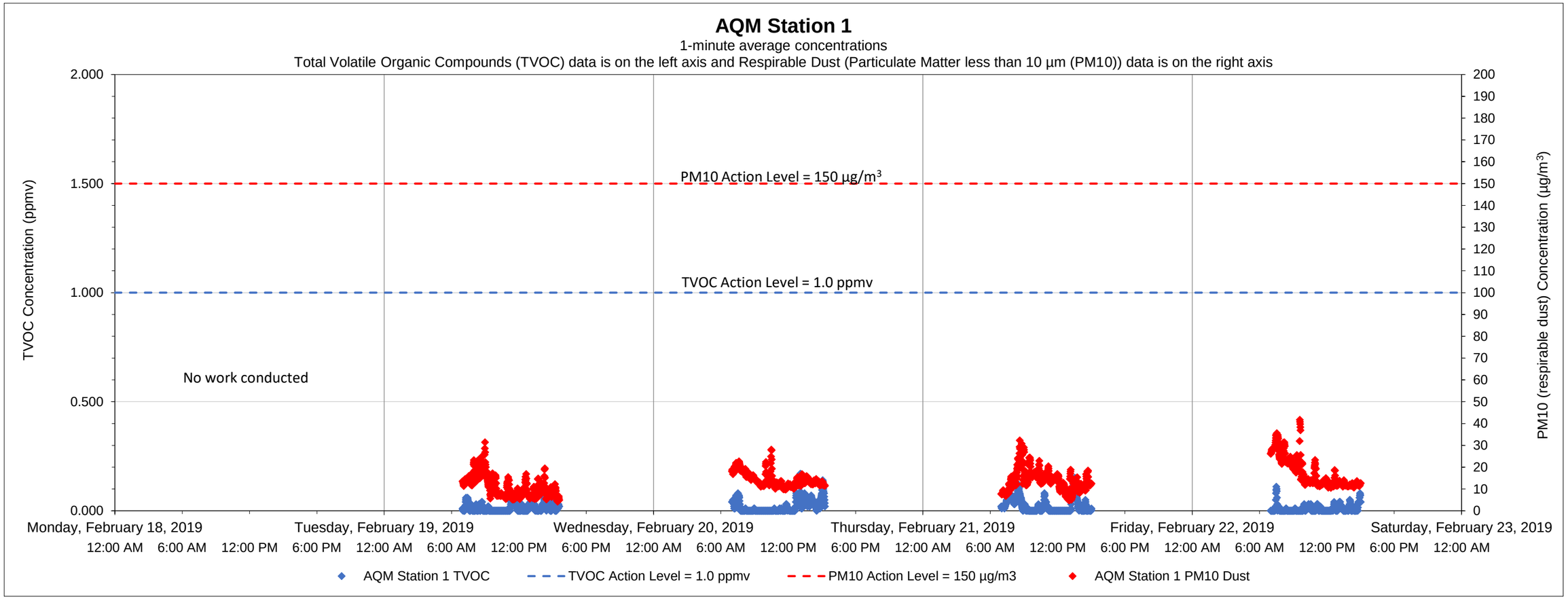
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
2/22/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.17	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.88	µg/m^3
PM10 maximum concentration	41.72	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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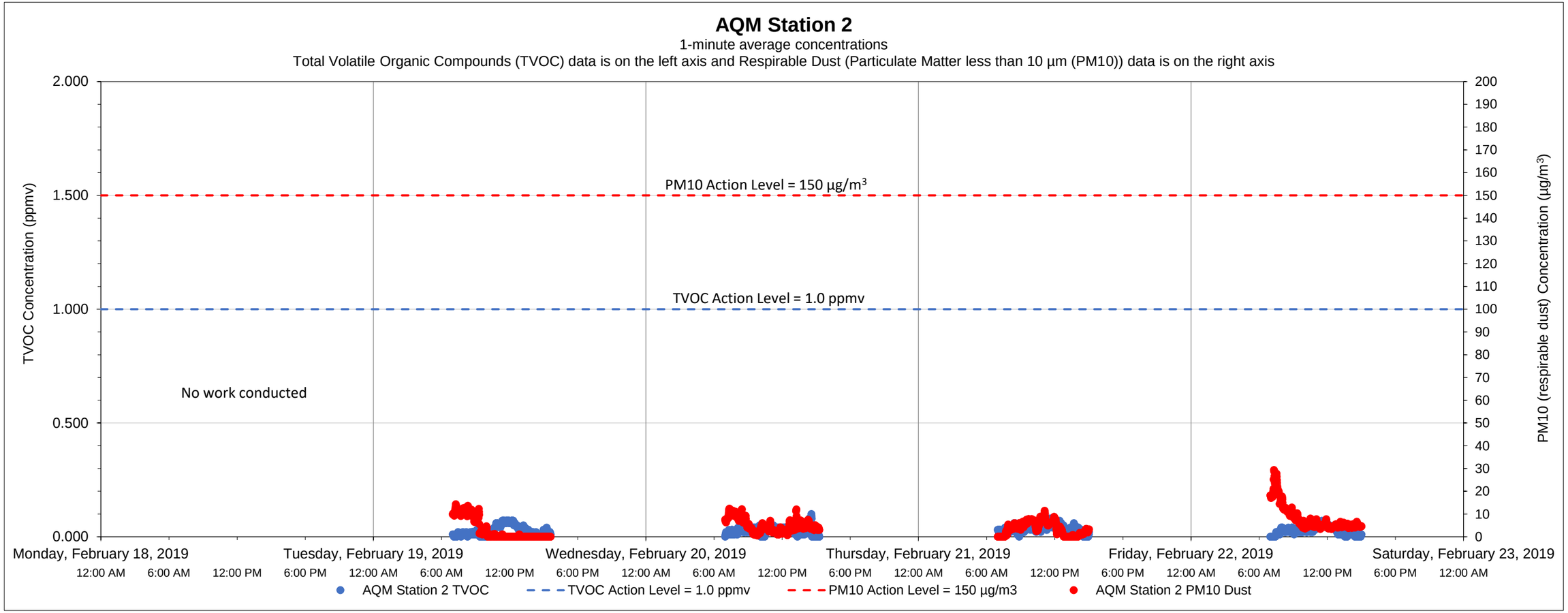
GZA Job No. 03.0033554.04
2/22/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.85	µg/m^3
PM10 maximum concentration	29.33	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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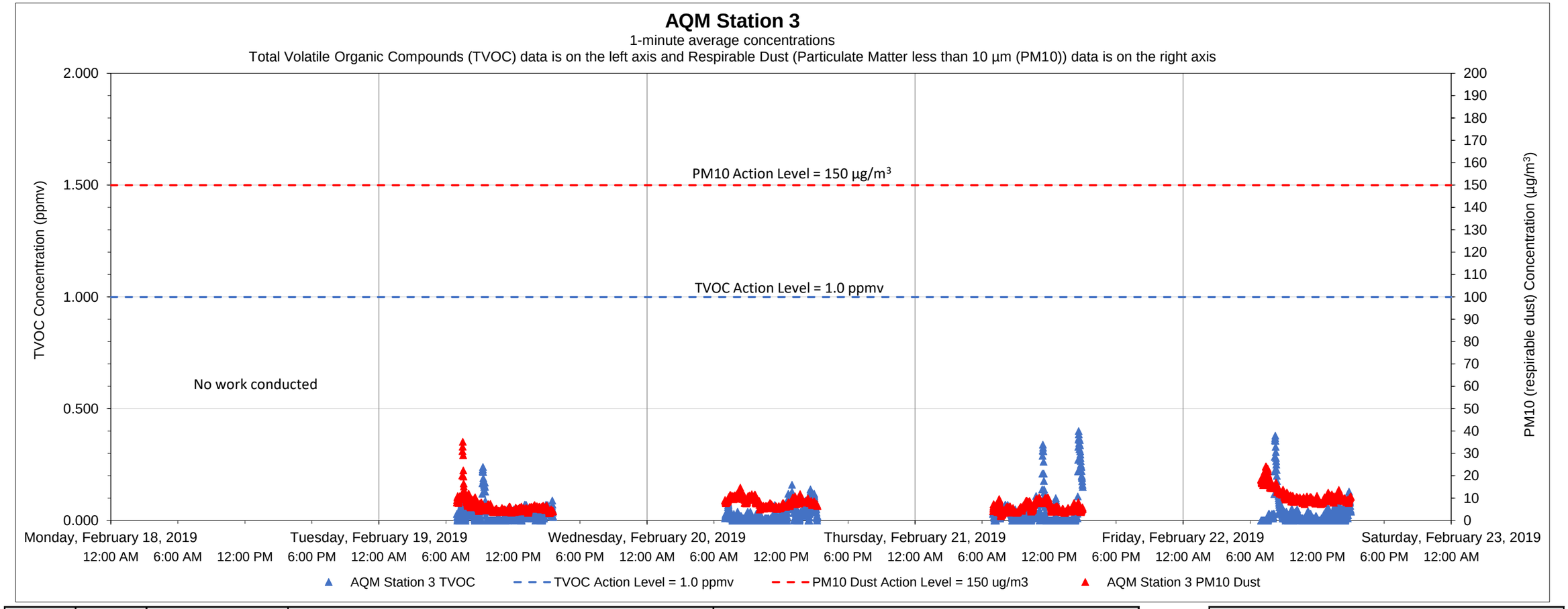
2/22/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.97	µg/m³
PM10 maximum concentration	35.28	µg/m³
PM10 action level	150	µg/m³

Equipment Notes
None

Notes:

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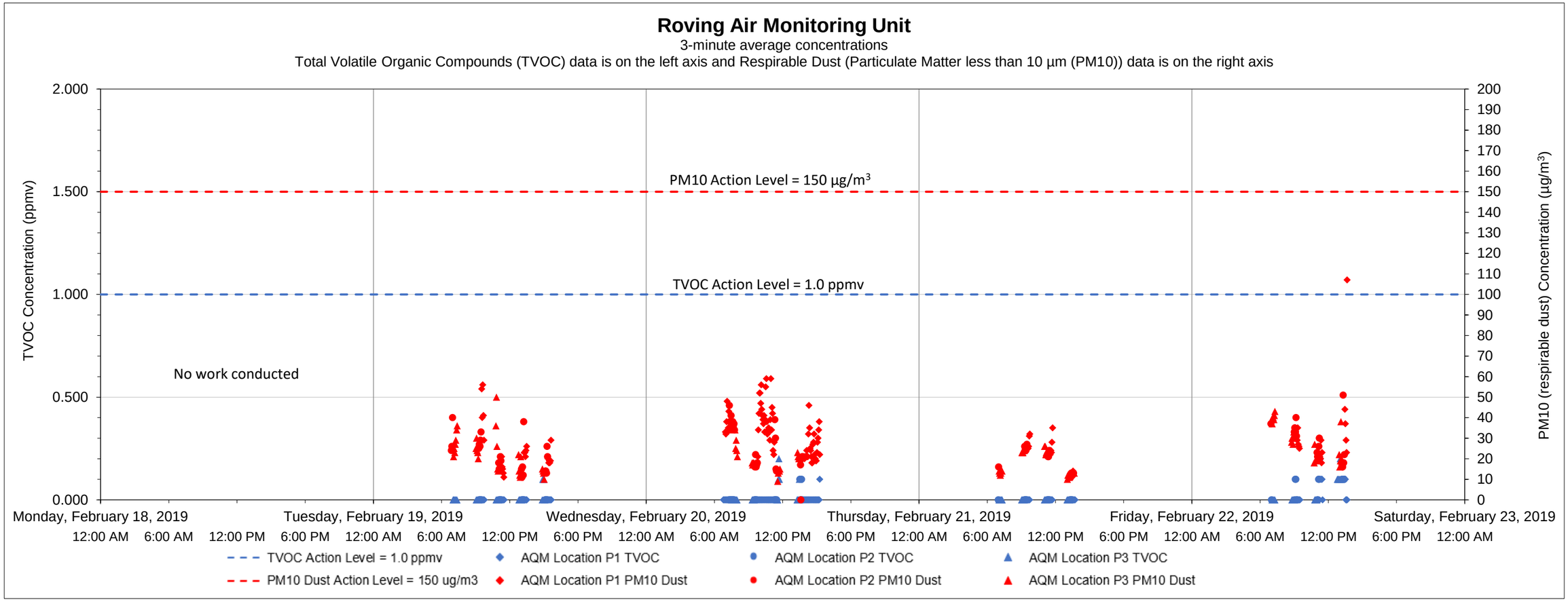

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	26.11	µg/m^3
PM10 maximum concentration	107	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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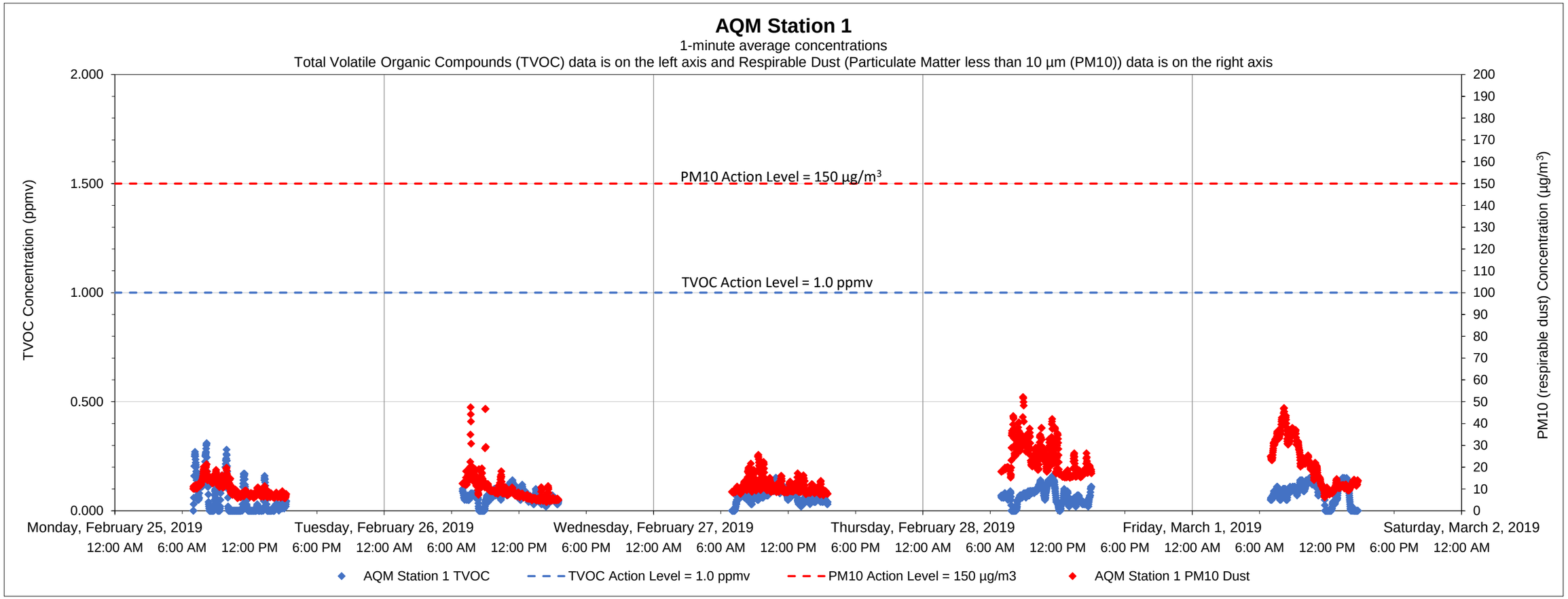

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.83	µg/m^3
PM10 maximum concentration	52.19	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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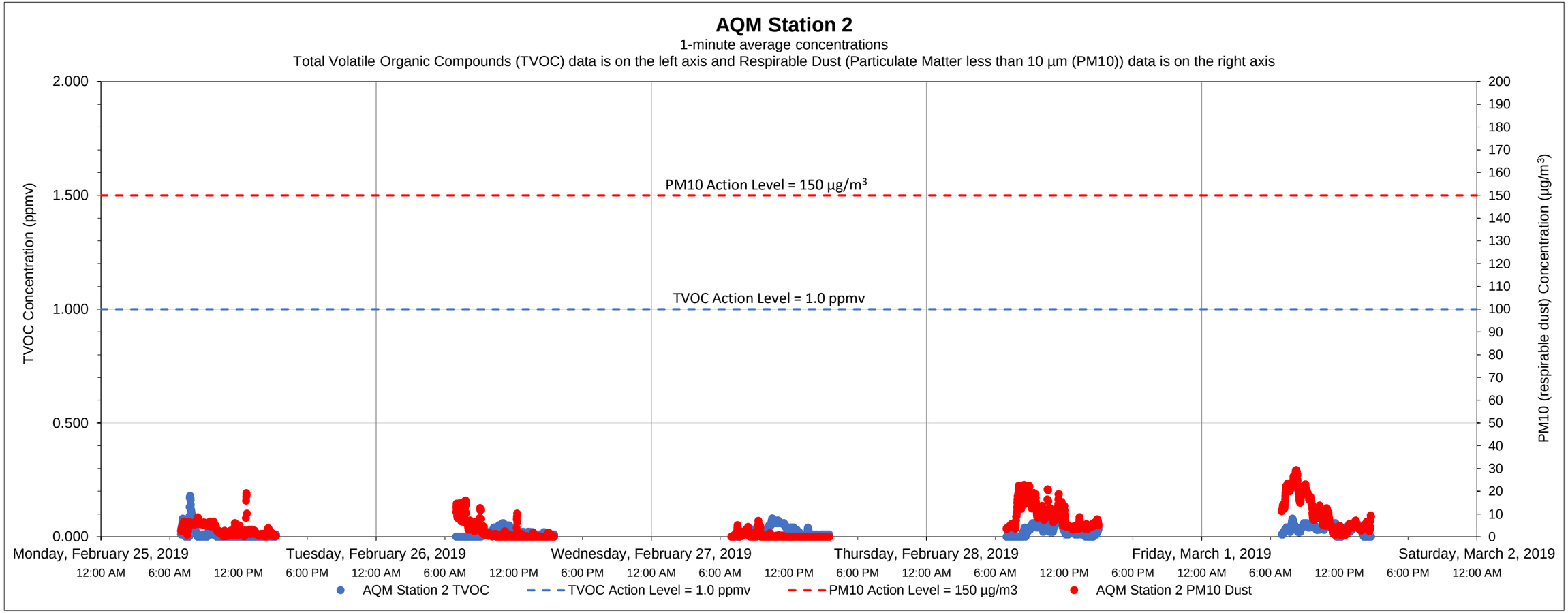

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.93	µg/m^3
PM10 maximum concentration	29.27	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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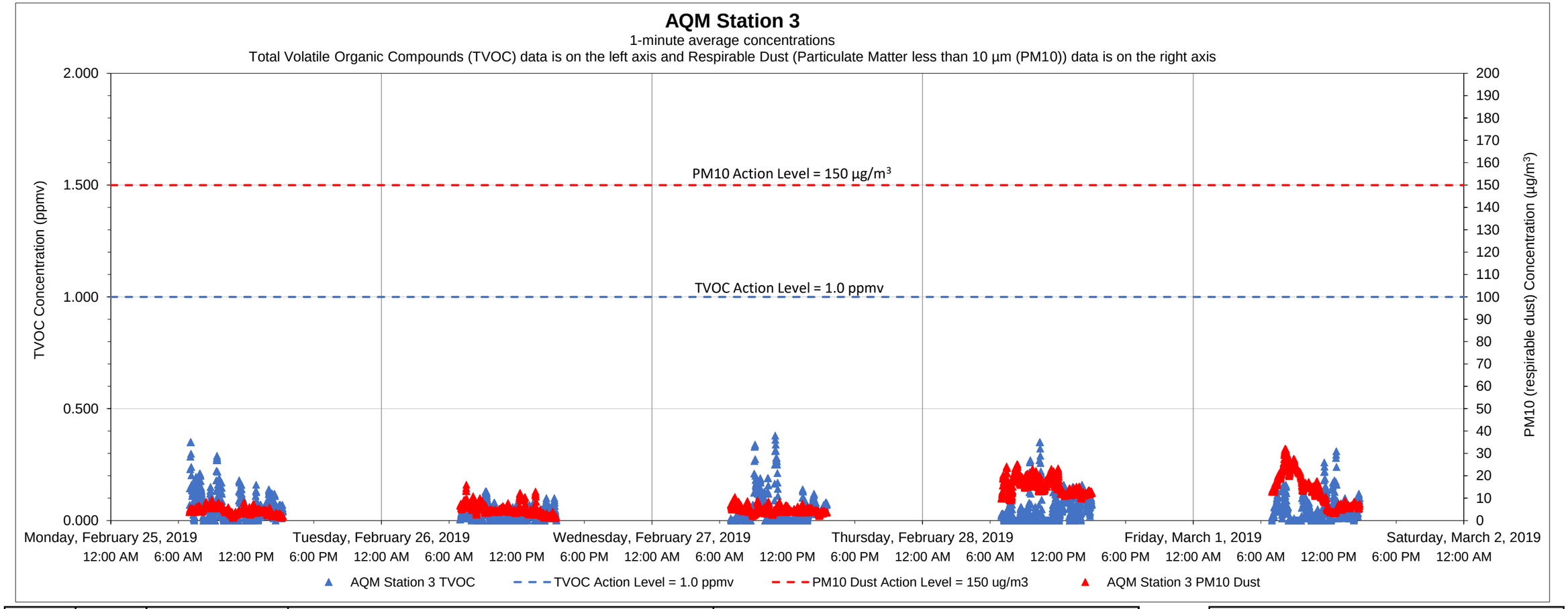

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.38	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.60	µg/m³
PM10 maximum concentration	32.14	µg/m³
PM10 action level	150	µg/m³

Equipment Notes
None

Notes:

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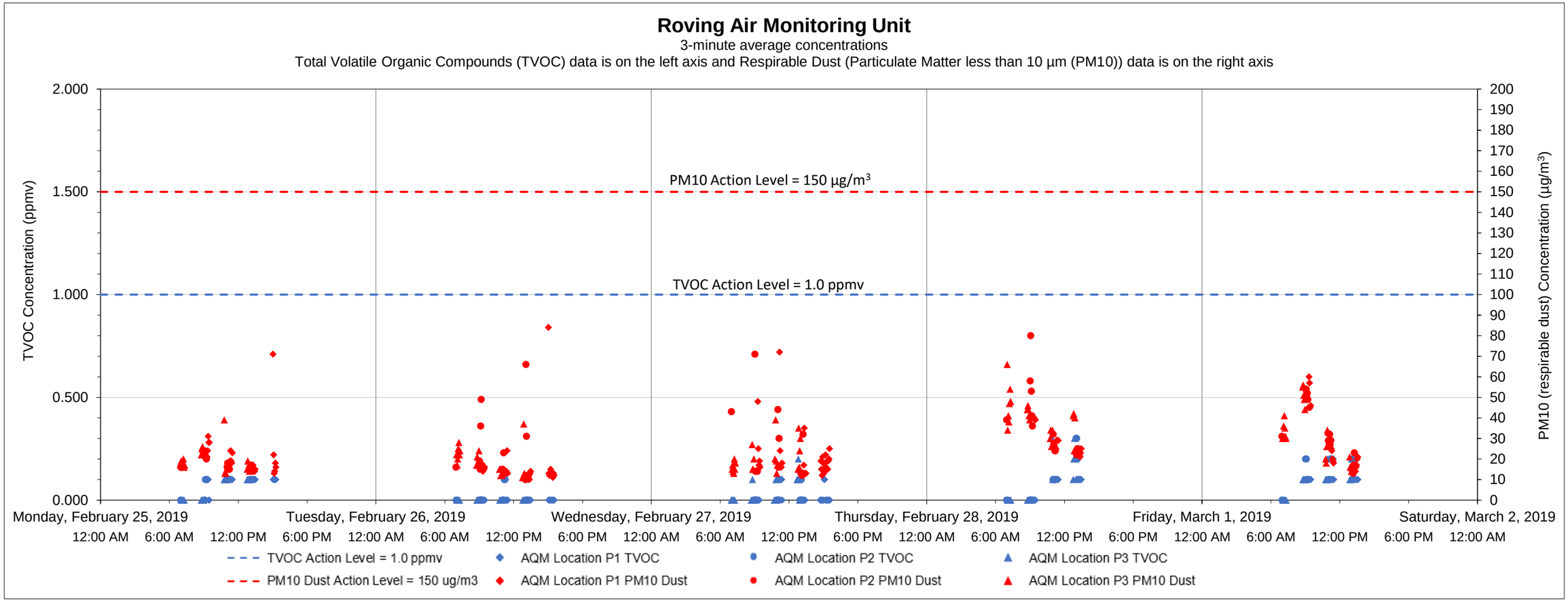

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	24.81	µg/m³
PM10 maximum concentration	84	µg/m³
PM10 action level	150	µg/m³

Notes:

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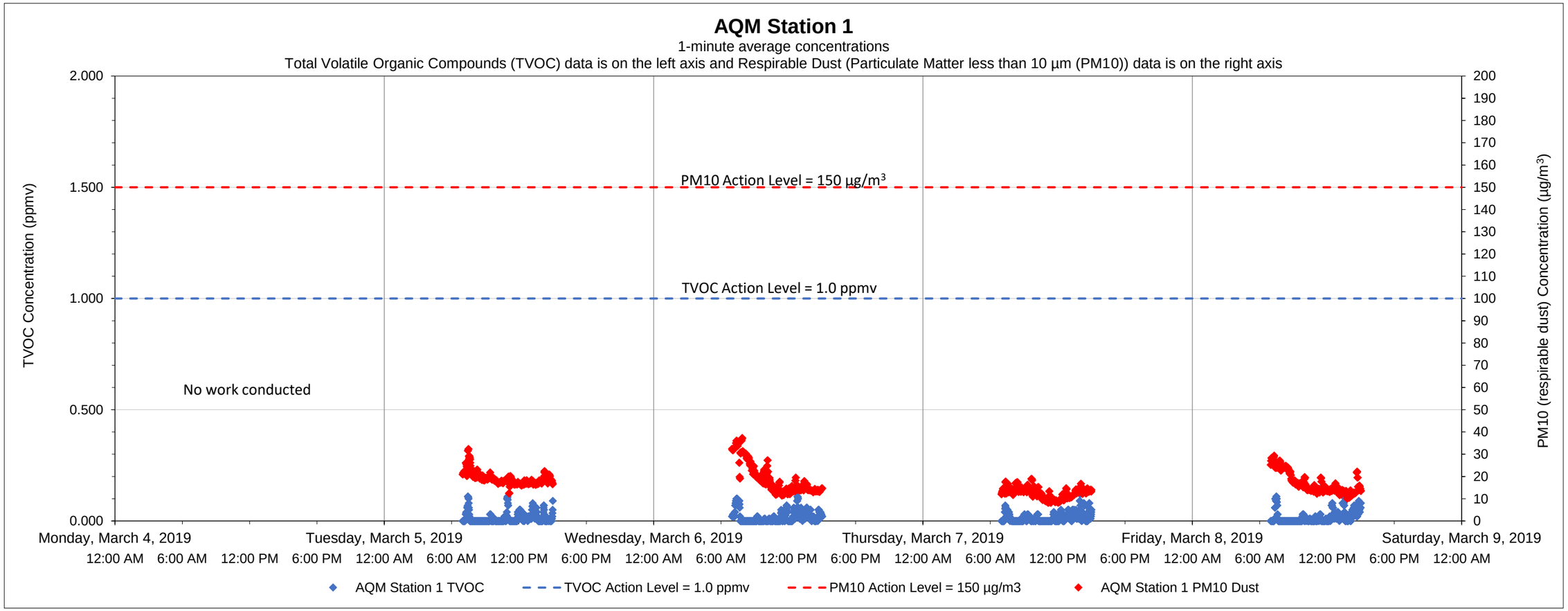

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.13	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.77	µg/m^3
PM10 maximum concentration	37.23	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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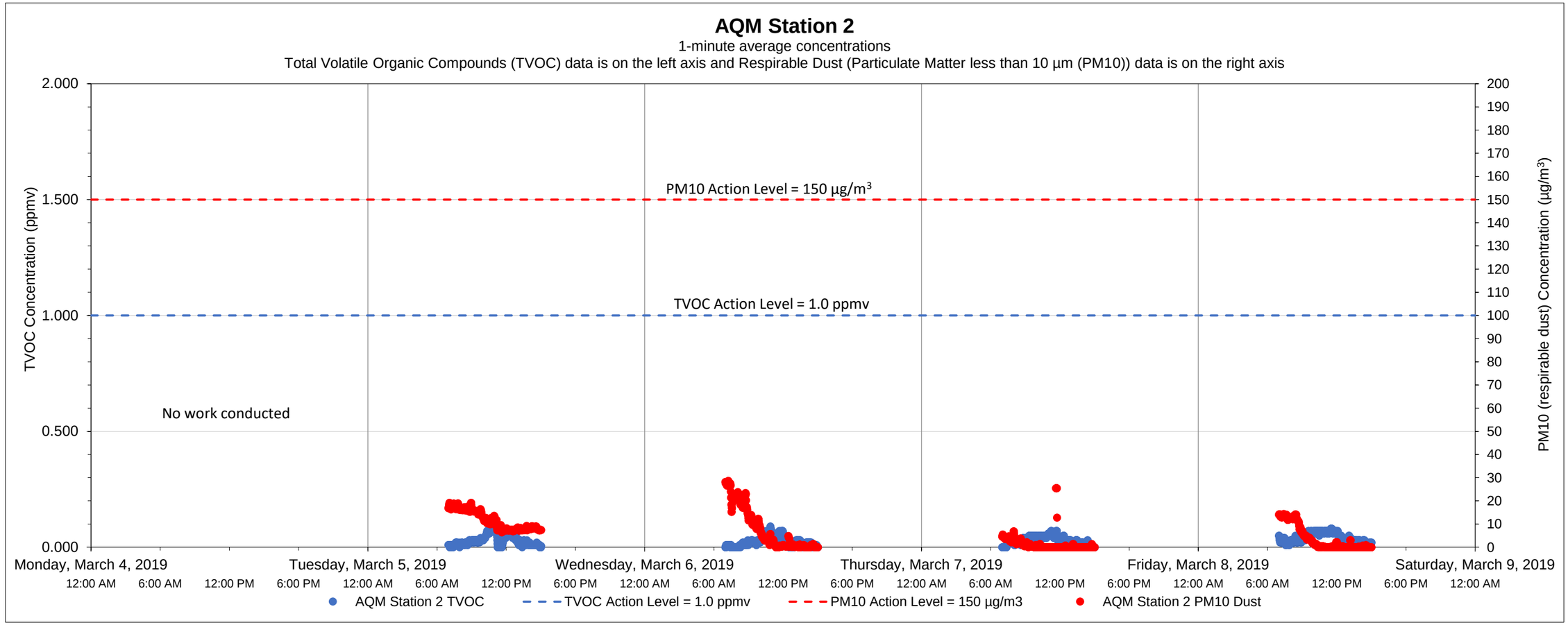

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.09	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.02	µg/m^3
PM10 maximum concentration	28.66	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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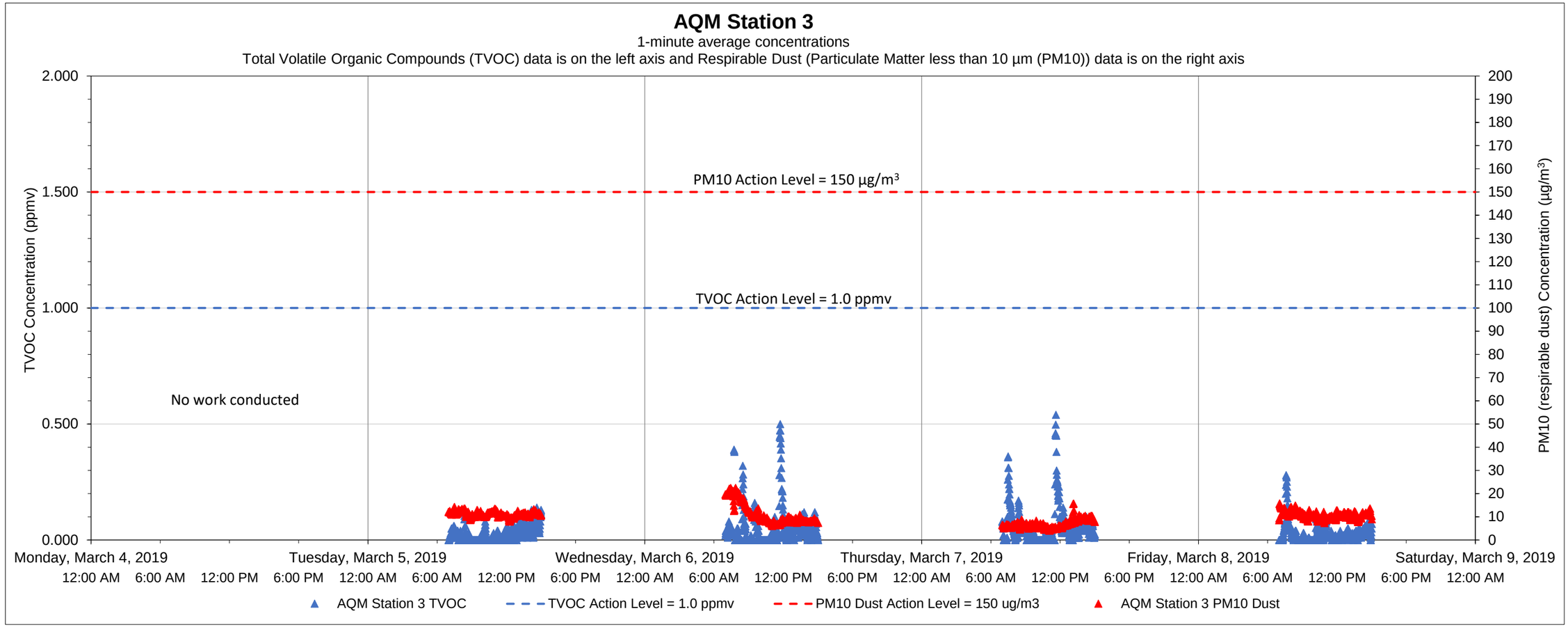

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.54	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.03	µg/m^3
PM10 maximum concentration	22.49	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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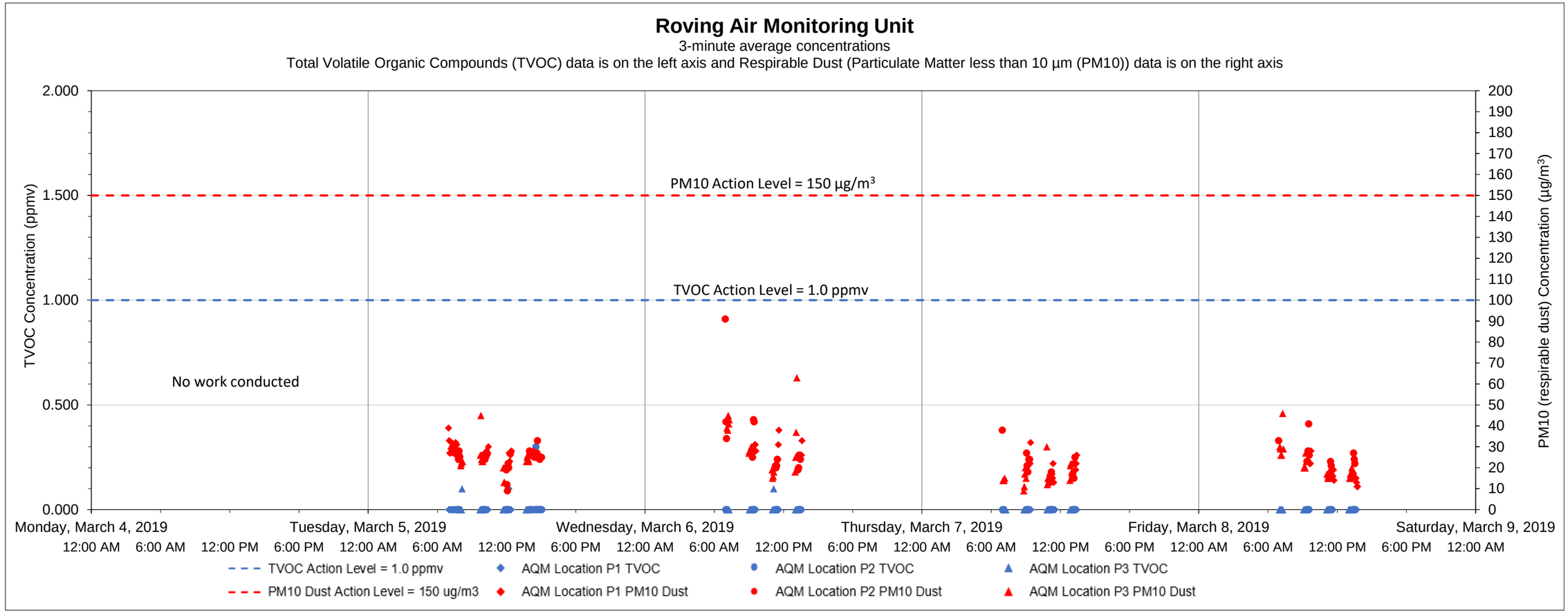

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	22.22	µg/m^3
PM10 maximum concentration	91	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

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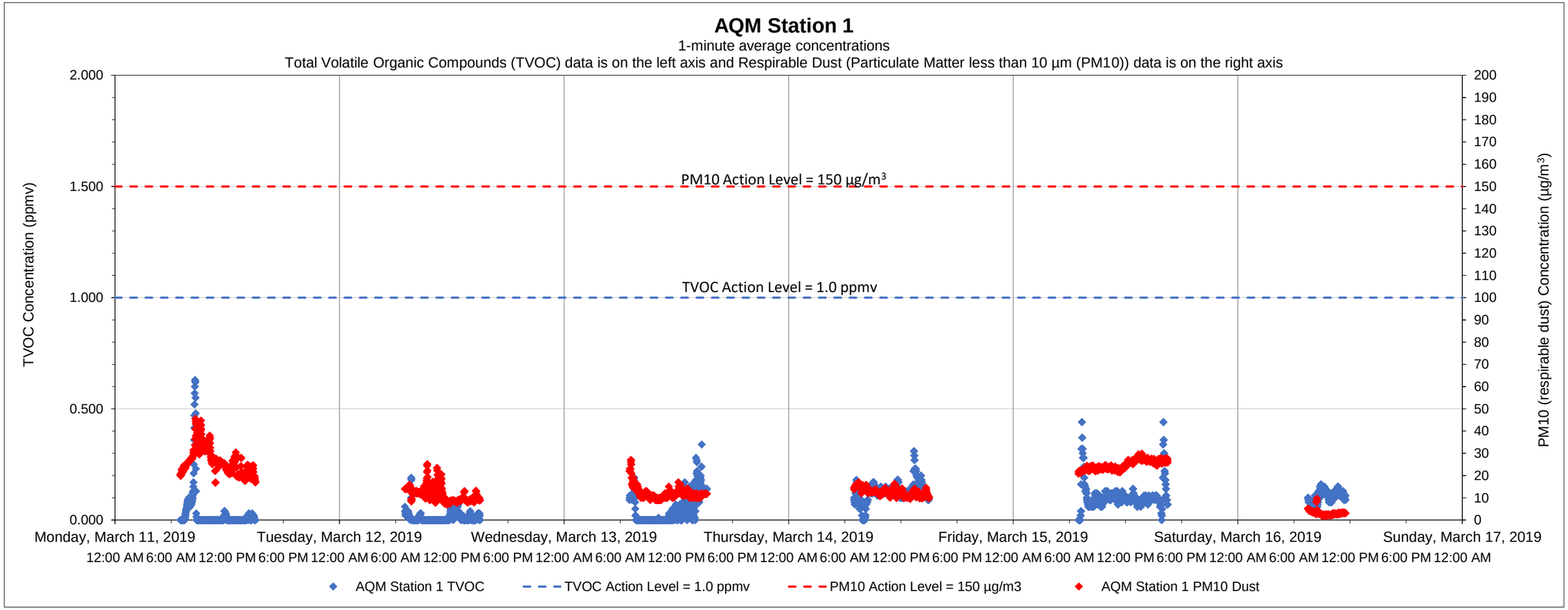
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
3/16/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.63	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.23	µg/m^3
PM10 maximum concentration	45.53	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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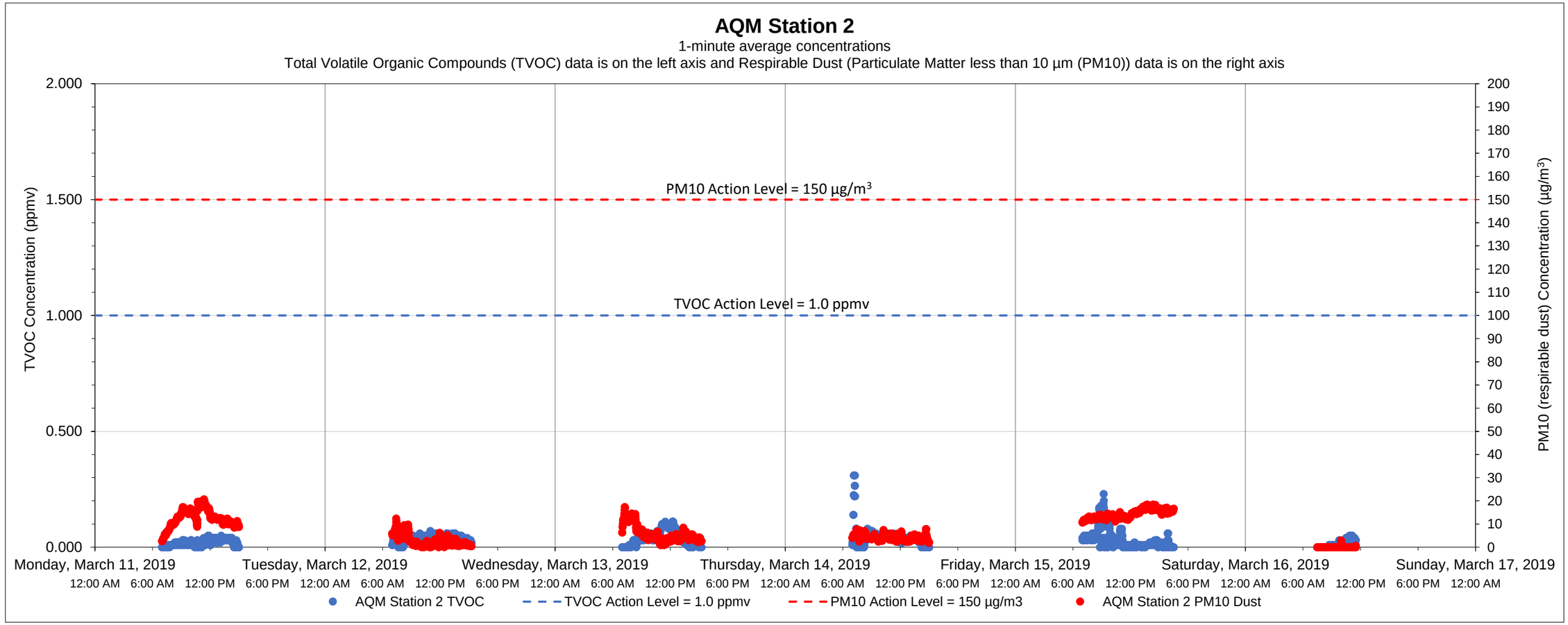

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.37	µg/m^3
PM10 maximum concentration	20.72	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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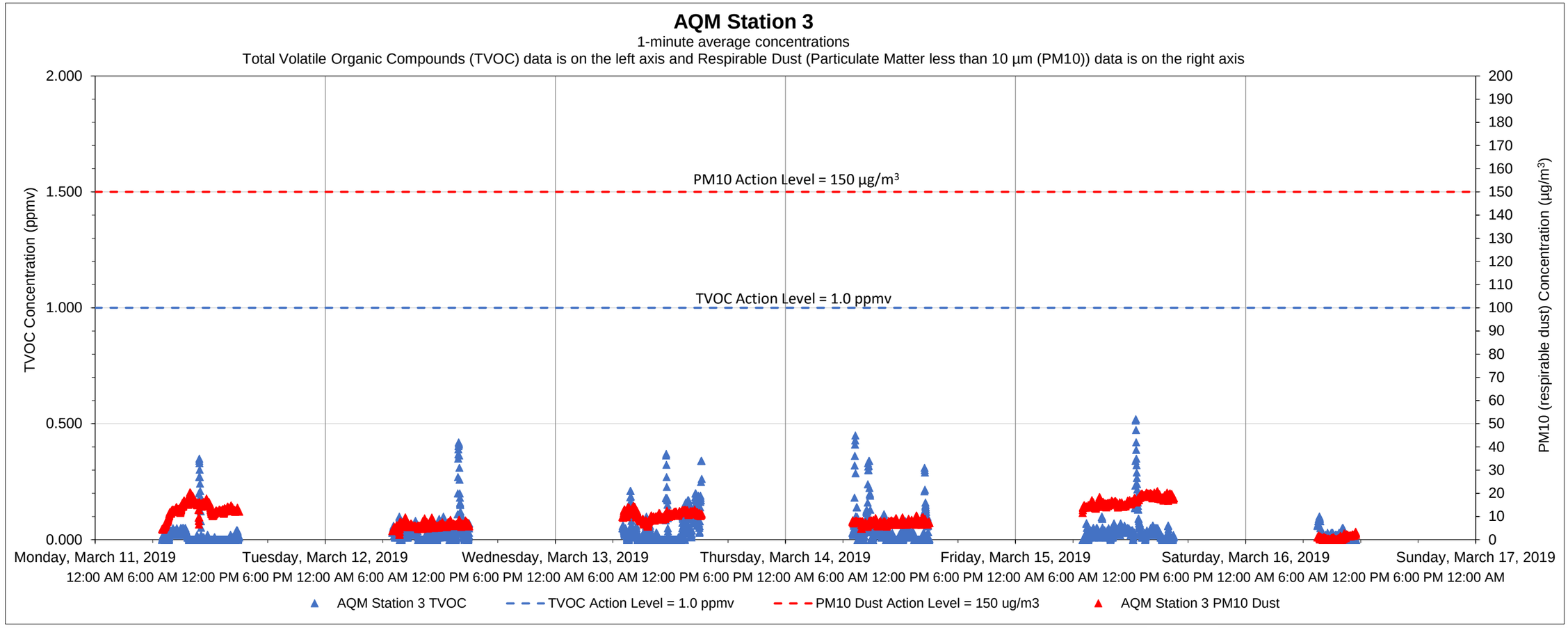

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.52	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.20	µg/m^3
PM10 maximum concentration	20.94	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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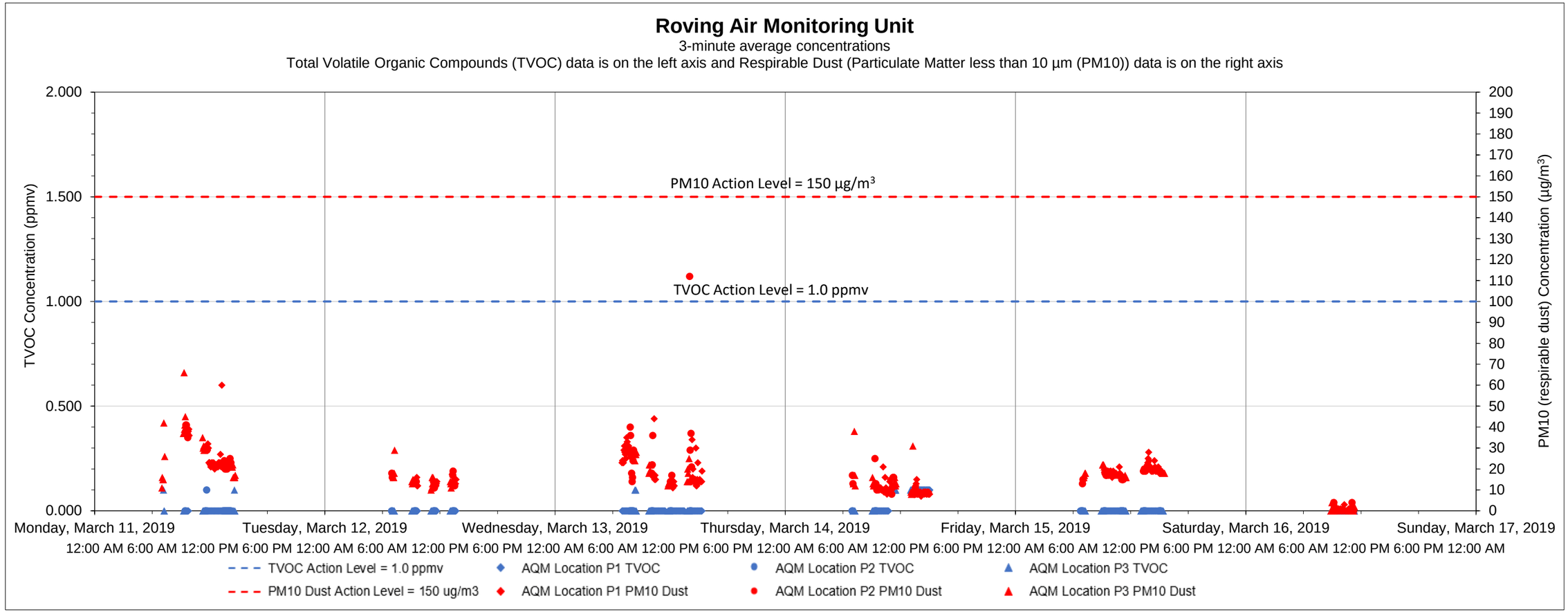

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.50	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.30	µg/m^3
PM10 maximum concentration	112	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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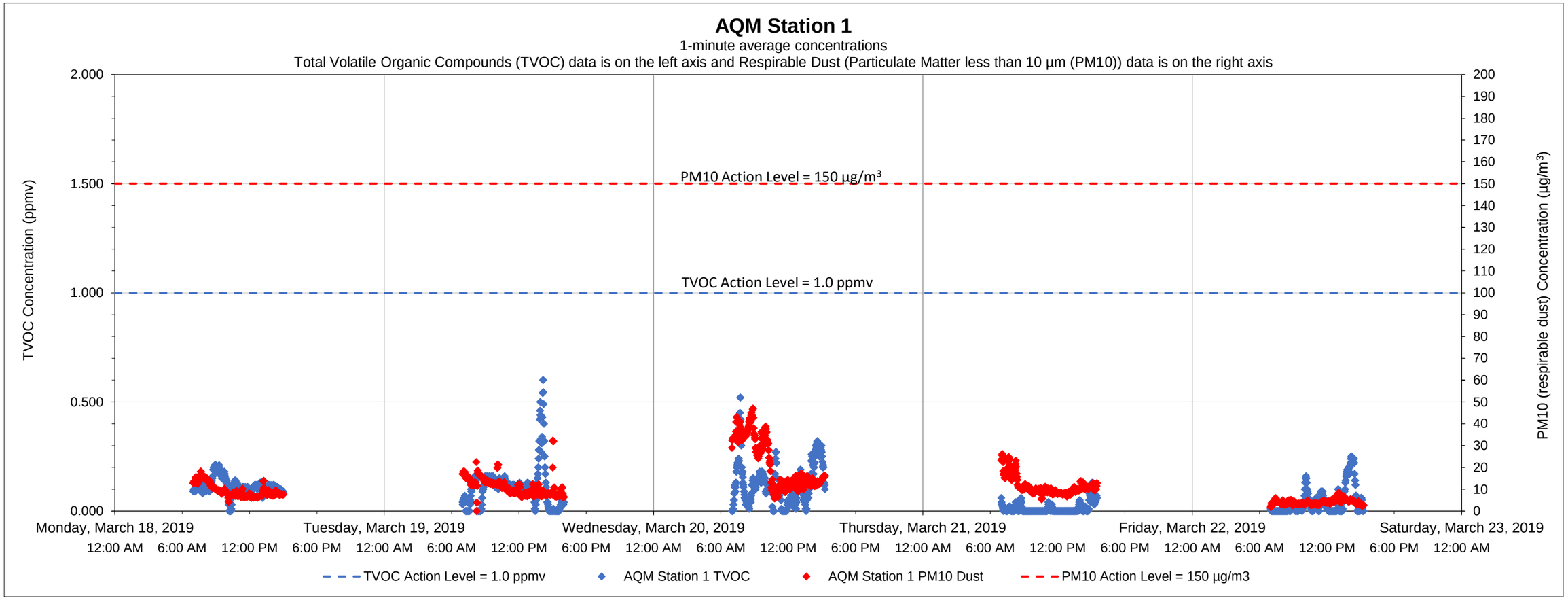
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
3/25/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	0.60	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.34	µg/m^3
PM10 maximum concentration	46.97	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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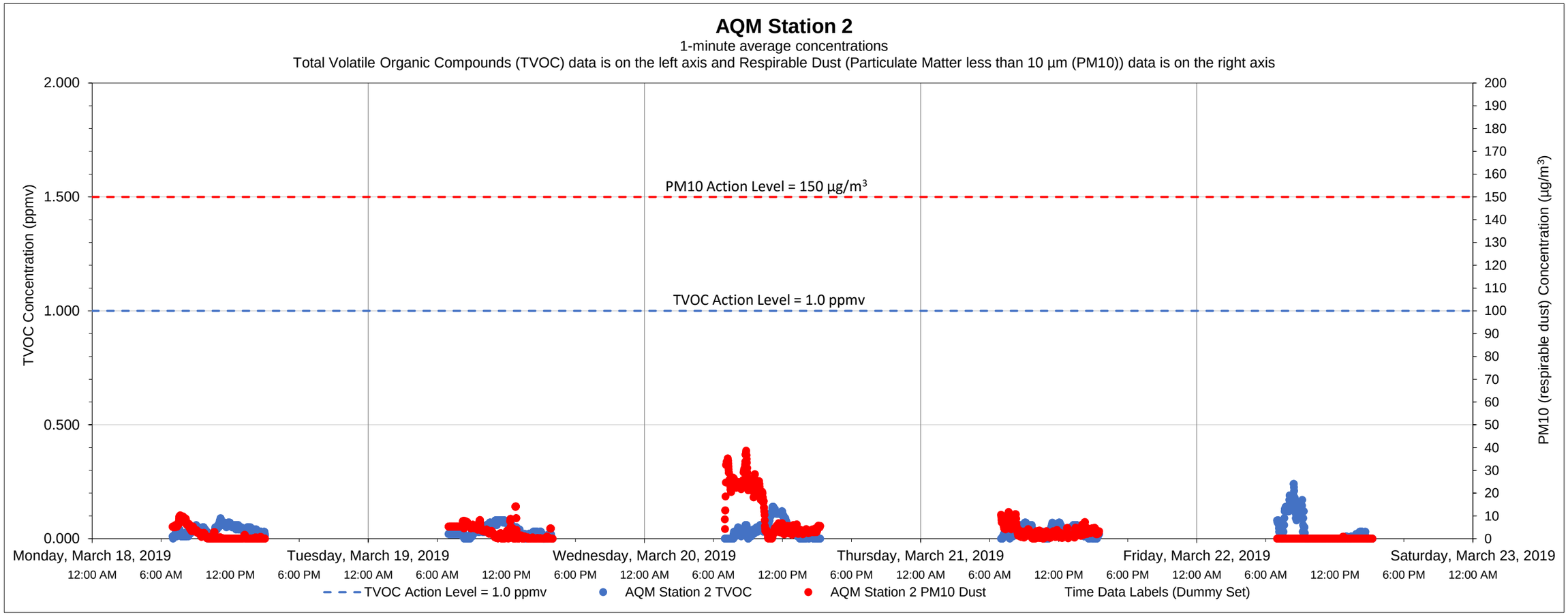

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.67	µg/m^3
PM10 maximum concentration	38.64	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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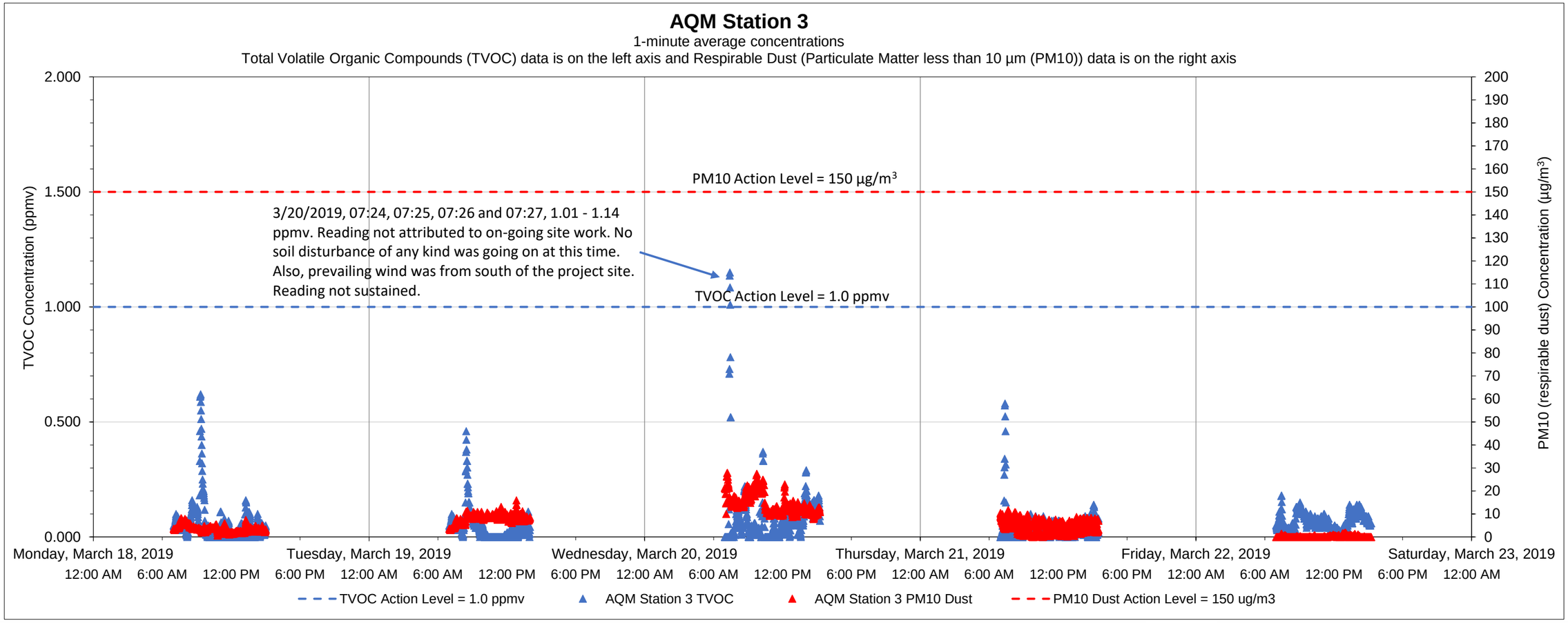

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.15	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.89	µg/m^3
PM10 maximum concentration	27.83	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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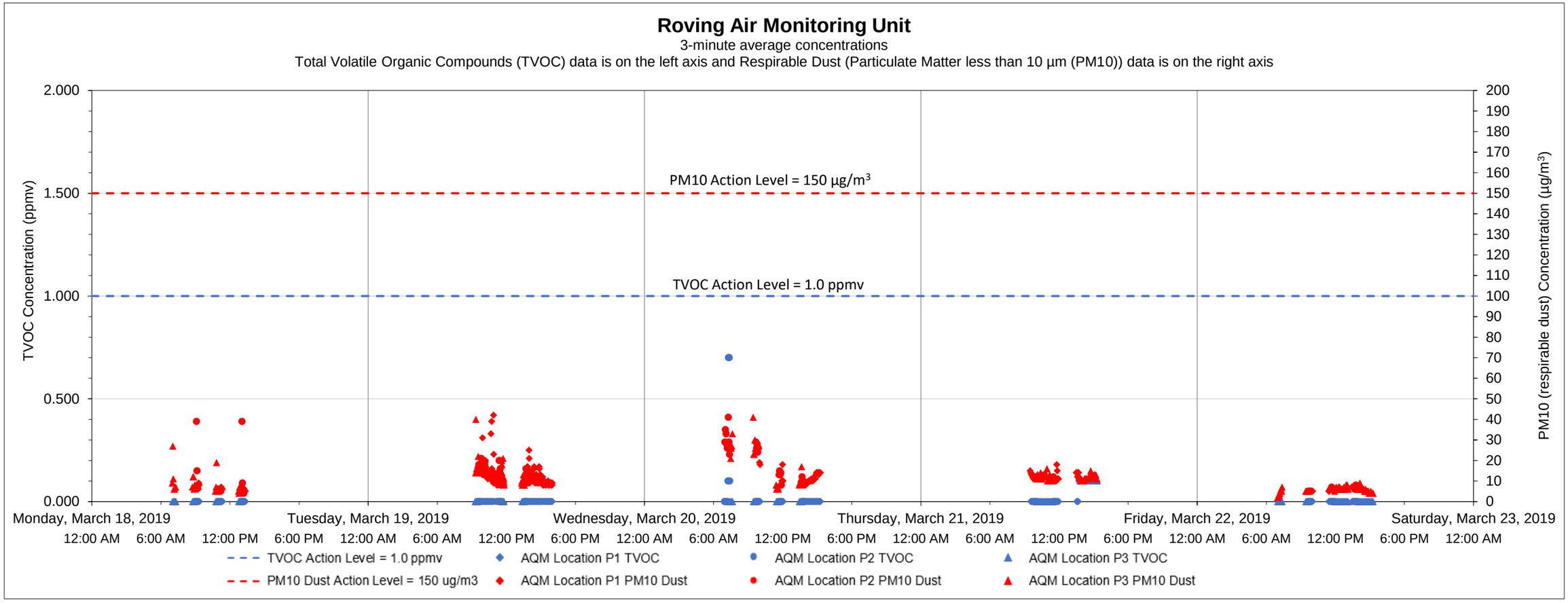

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.31	µg/m³
PM10 maximum concentration	65	µg/m³
PM10 action level	150	µg/m³

Notes:

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2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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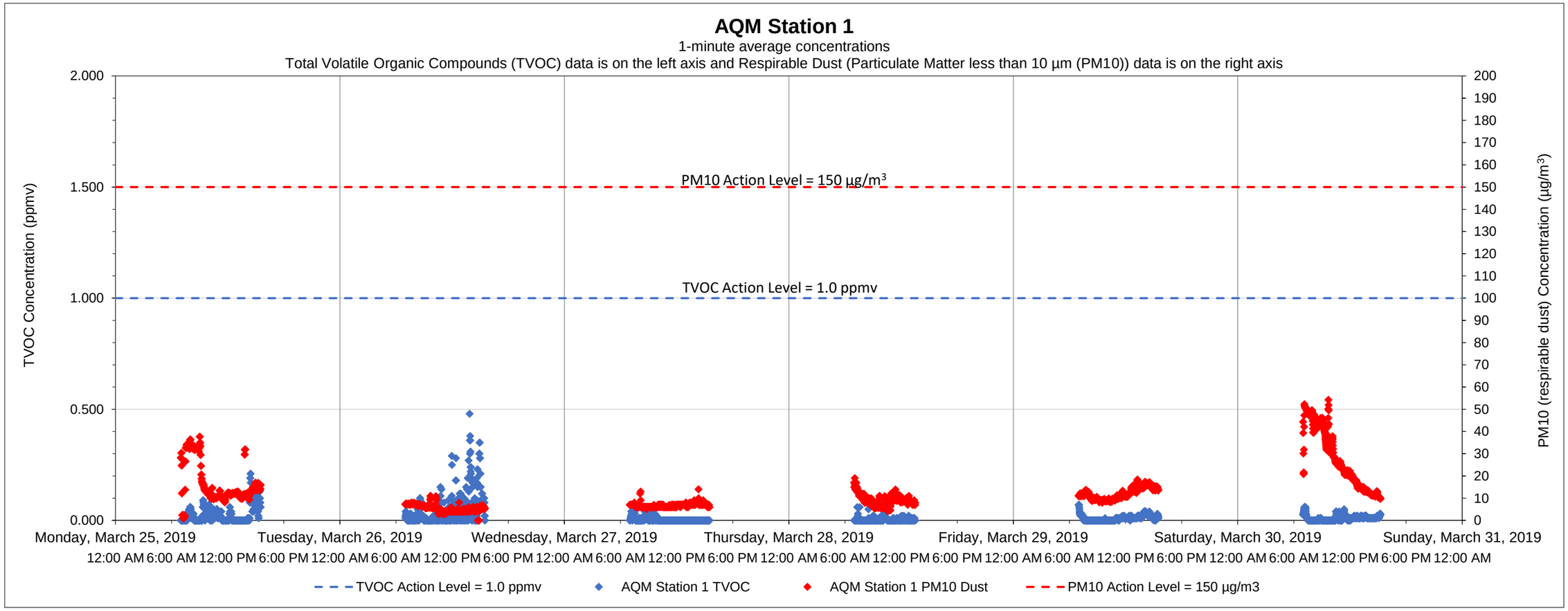

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.86	µg/m^3
PM10 maximum concentration	54.23	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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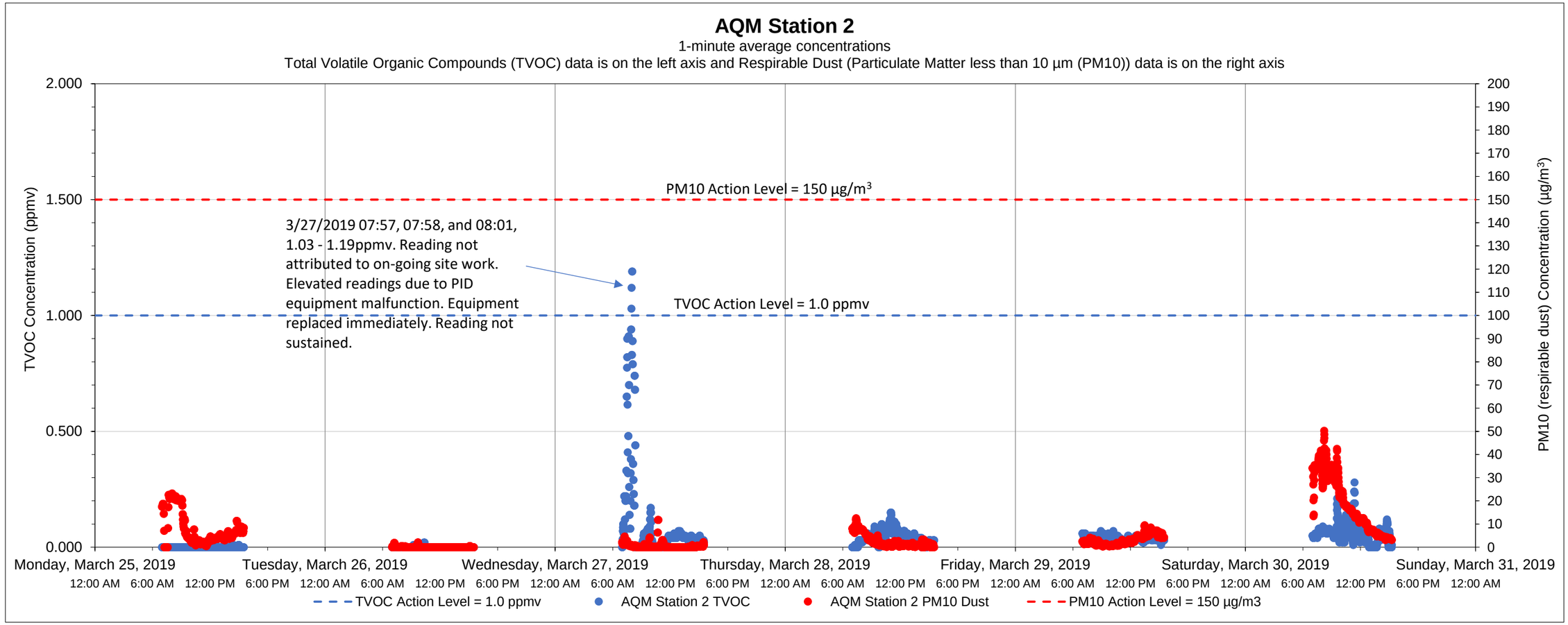

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.32	µg/m^3
PM10 maximum concentration	50.23	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
3/27/2019 - PID equipment malfunction caused transient action level exceedance at 07:57, 07:58, and 08:01. PID equipment taken out of service and replaced immediately.

Notes:

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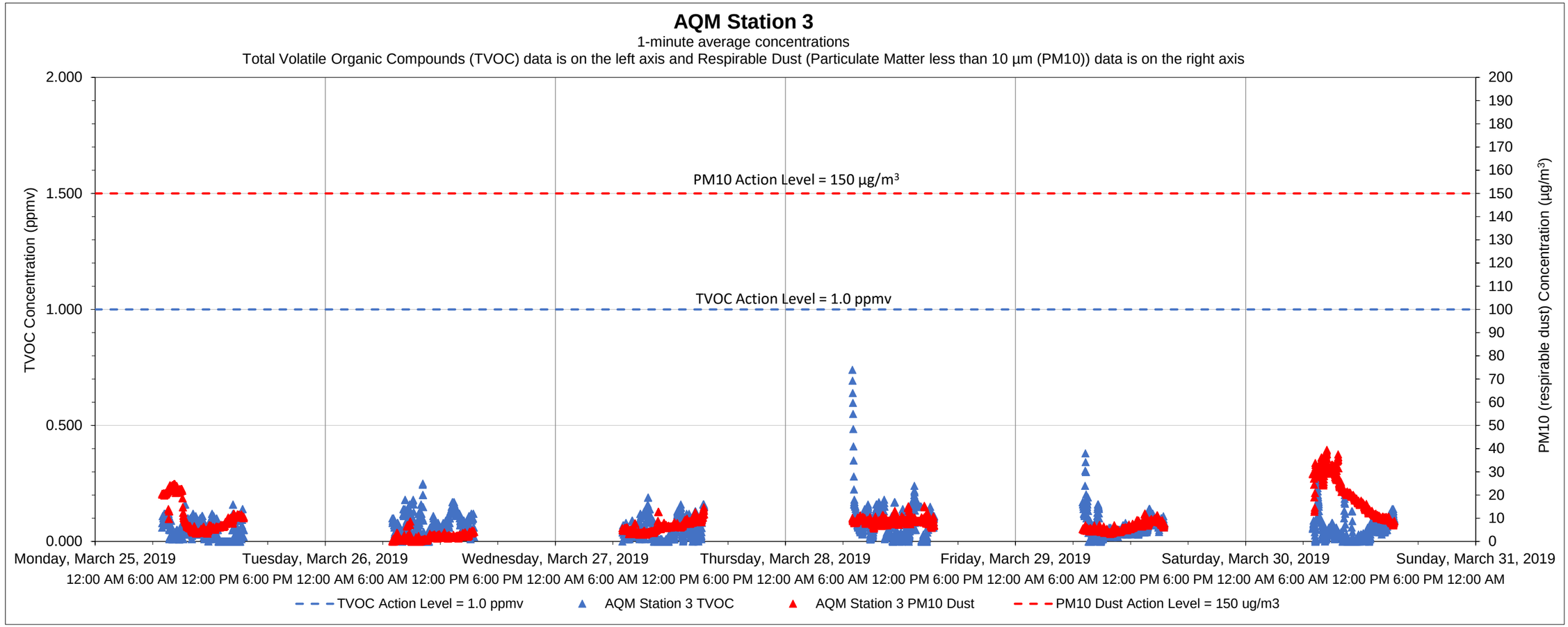

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.74	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.11	µg/m^3
PM10 maximum concentration	39.58	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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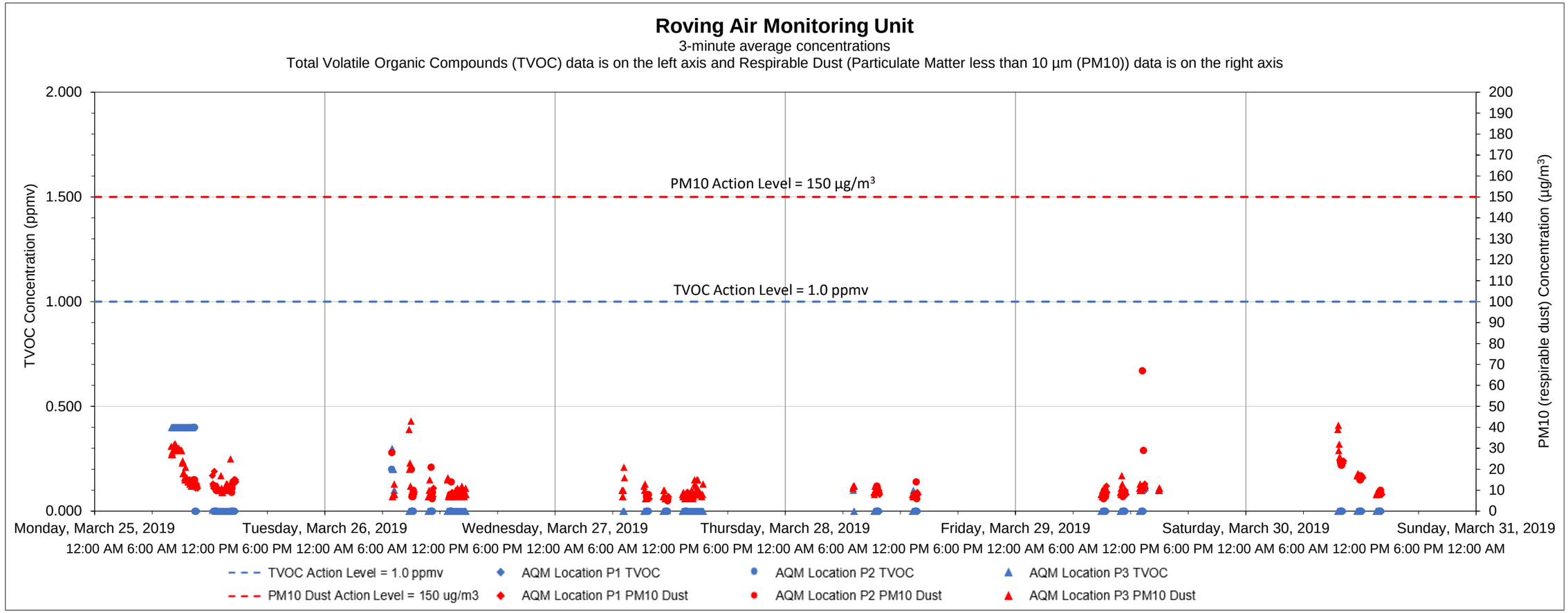

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.42	µg/m^3
PM10 maximum concentration	67	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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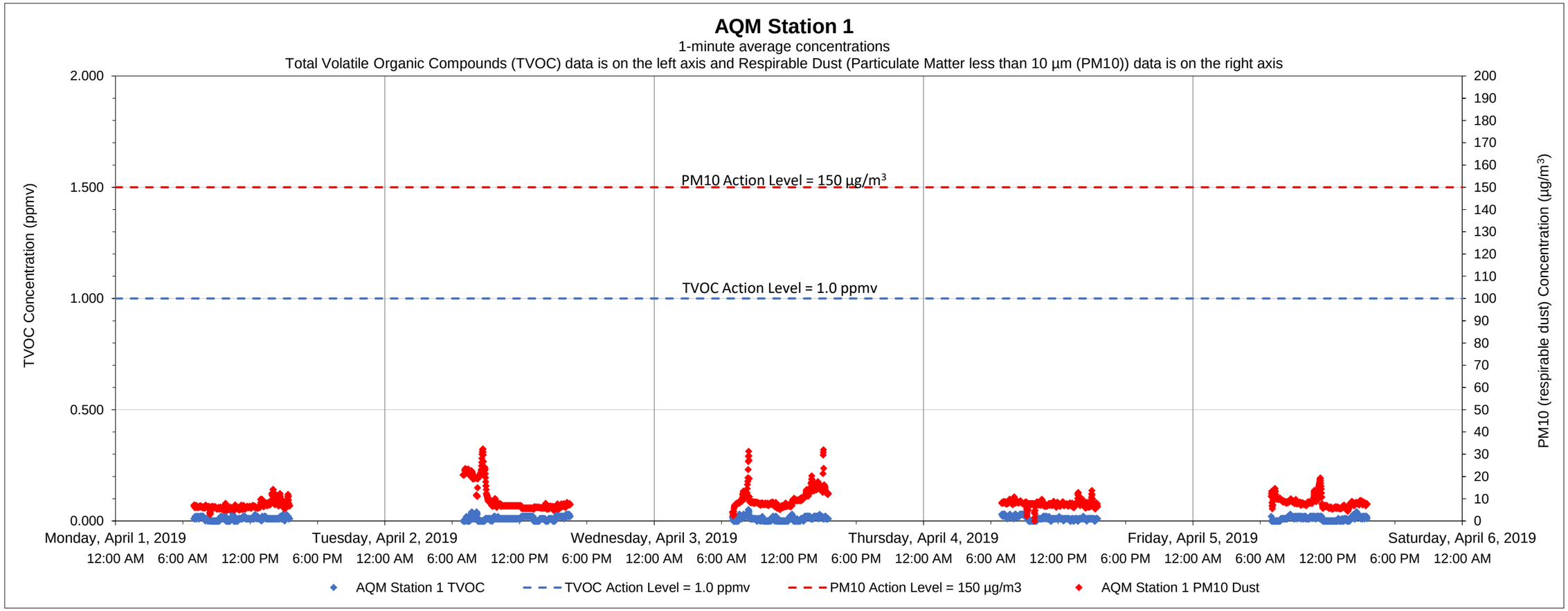

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.07	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.55	µg/m^3
PM10 maximum concentration	32.41	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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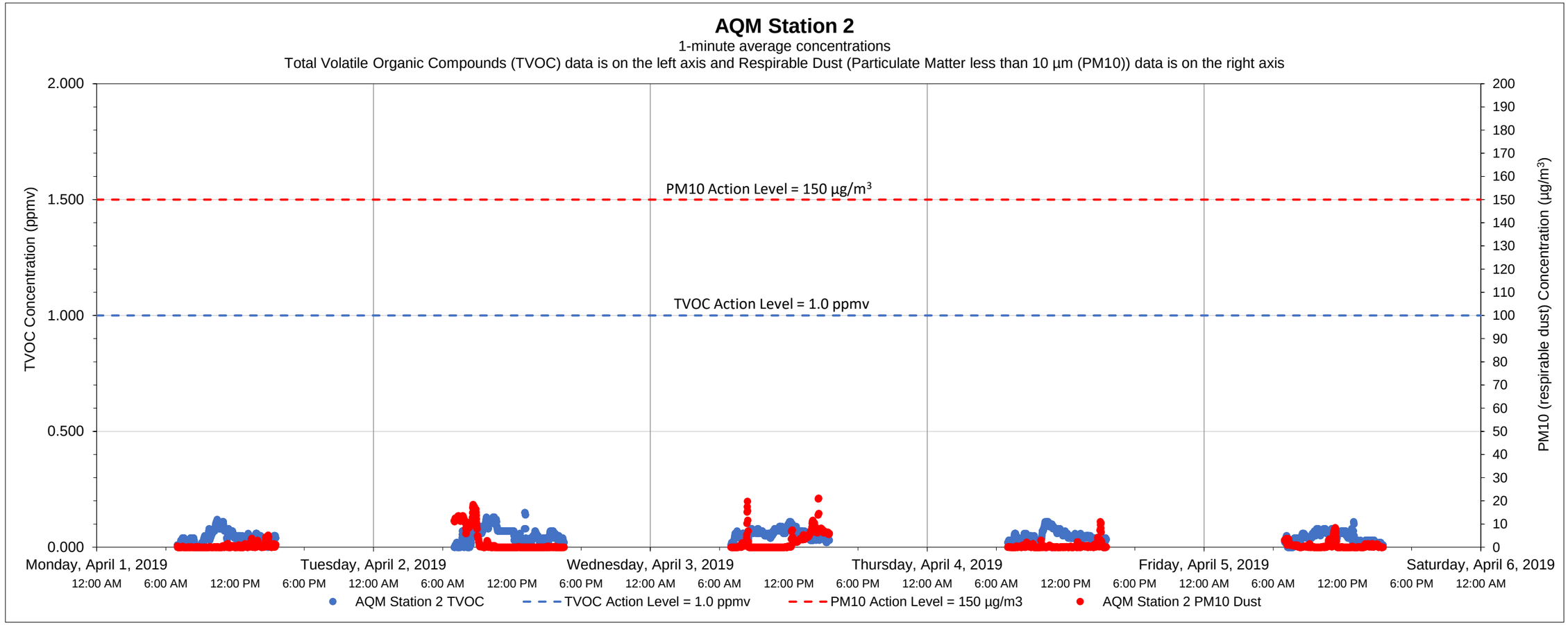

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.15	ppm
TVOCs action level	1	ppm
PM10 average concentration	1.36	µg/m^3
PM10 maximum concentration	21.18	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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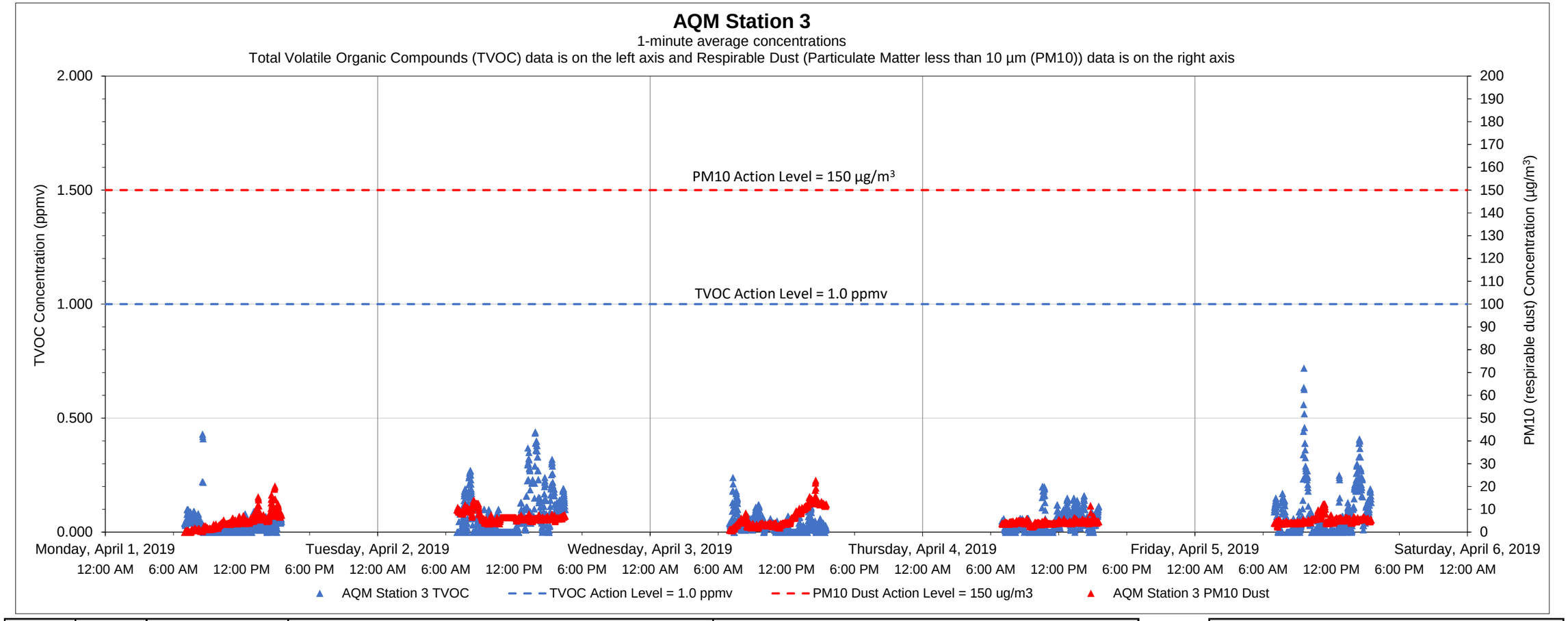

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.72	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.53	µg/m³
PM10 maximum concentration	22.77	µg/m³
PM10 action level	150	µg/m³

Equipment Notes
None

Notes:
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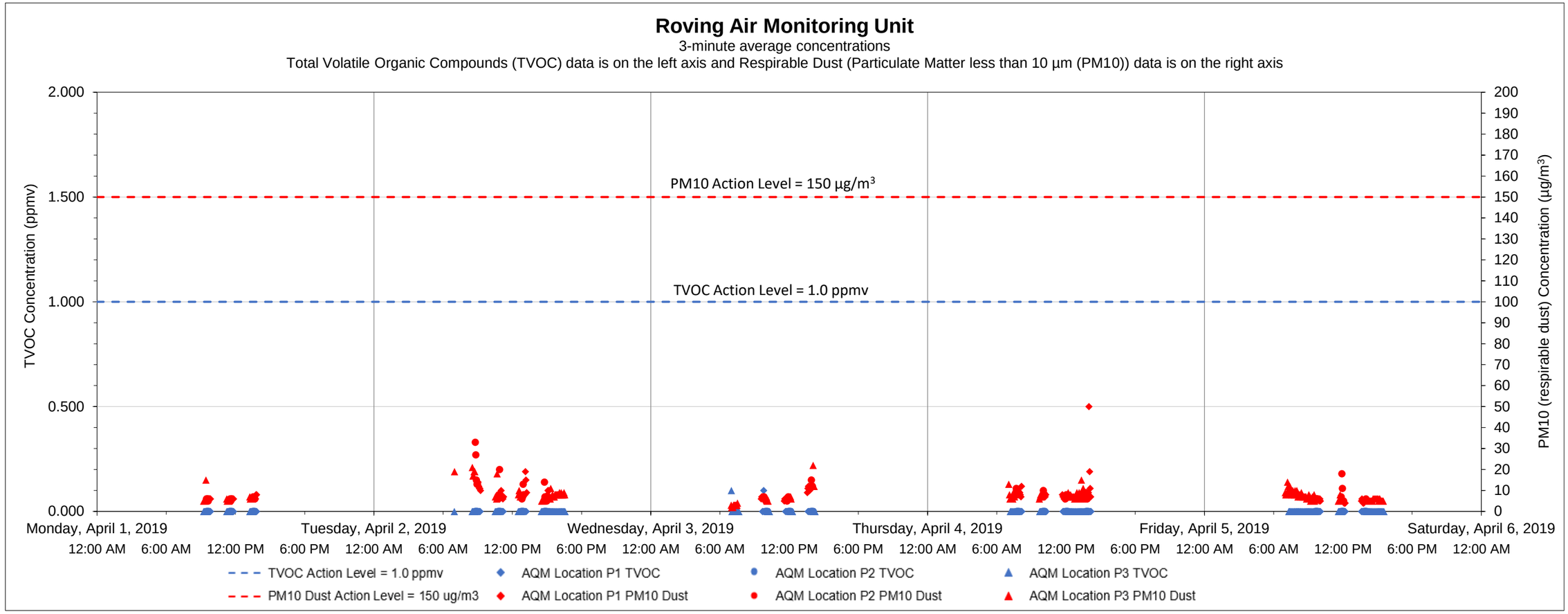

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.76	µg/m^3
PM10 maximum concentration	63	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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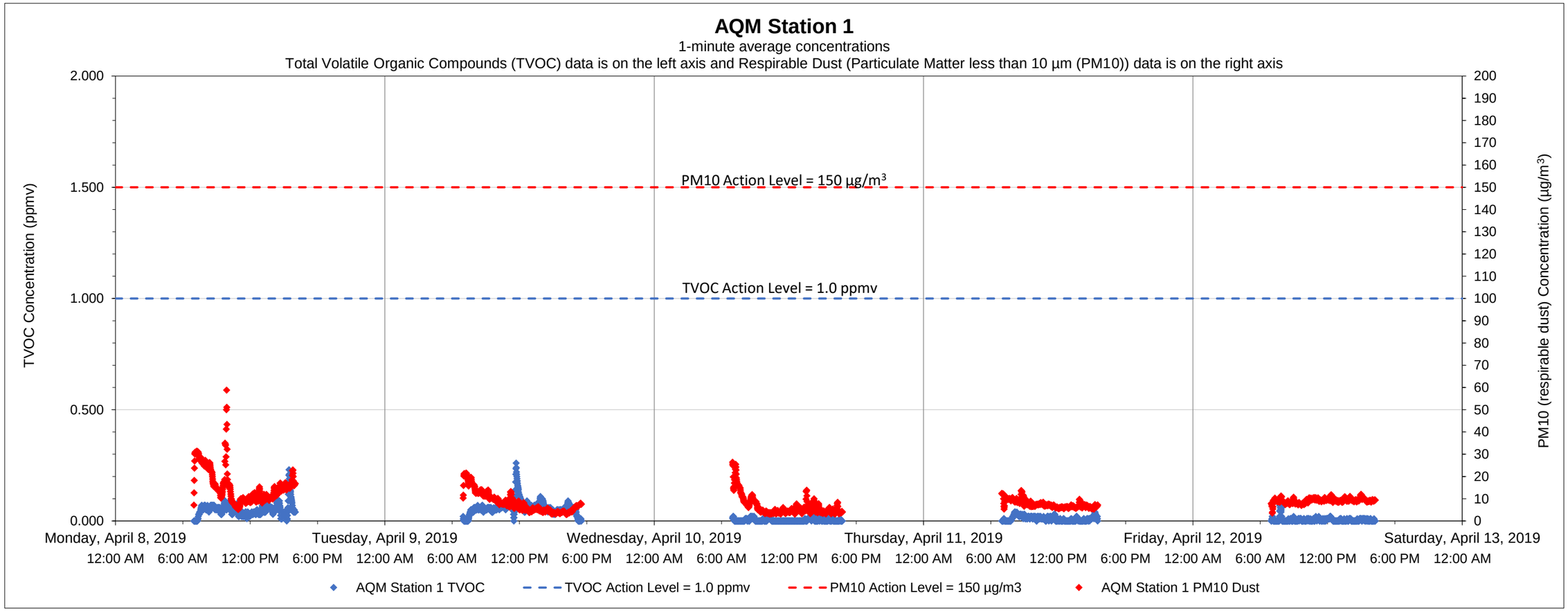

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.26	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.19	µg/m^3
PM10 maximum concentration	58.81	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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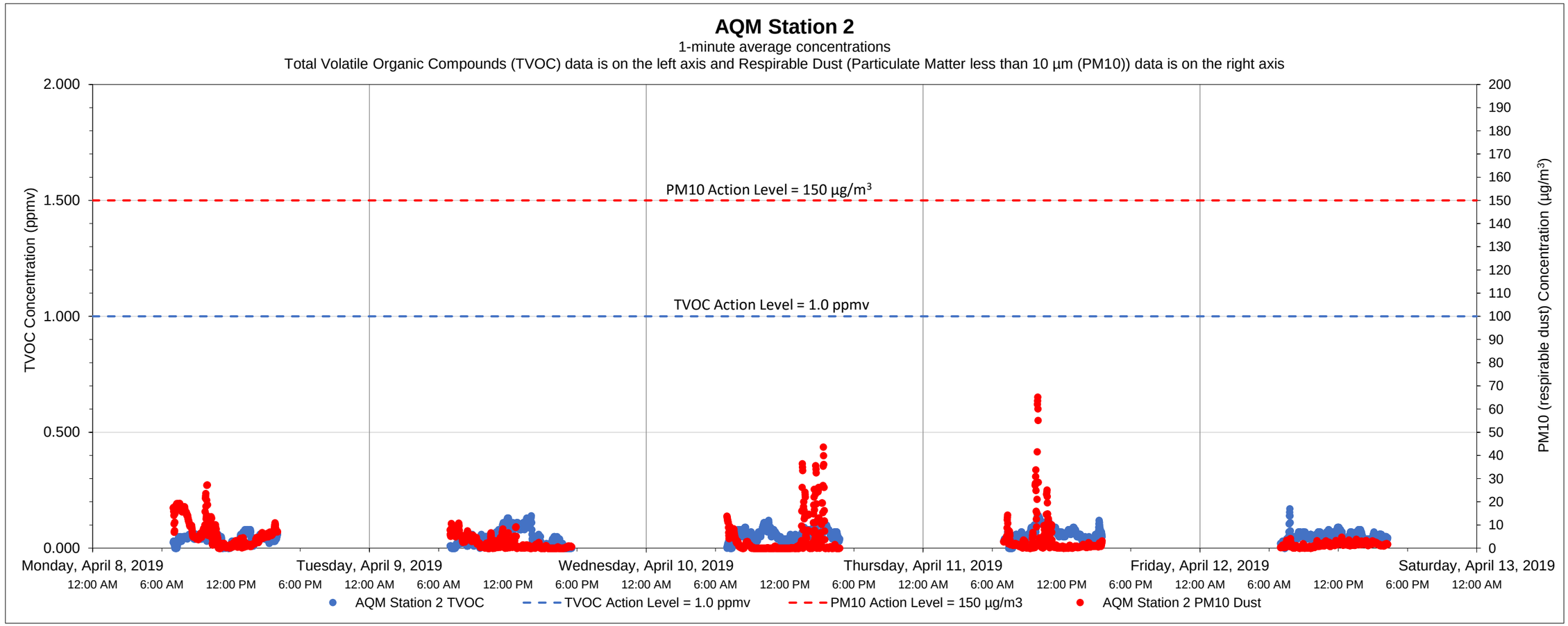
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
4/12/2019



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.17	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.17	µg/m^3
PM10 maximum concentration	65.13	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

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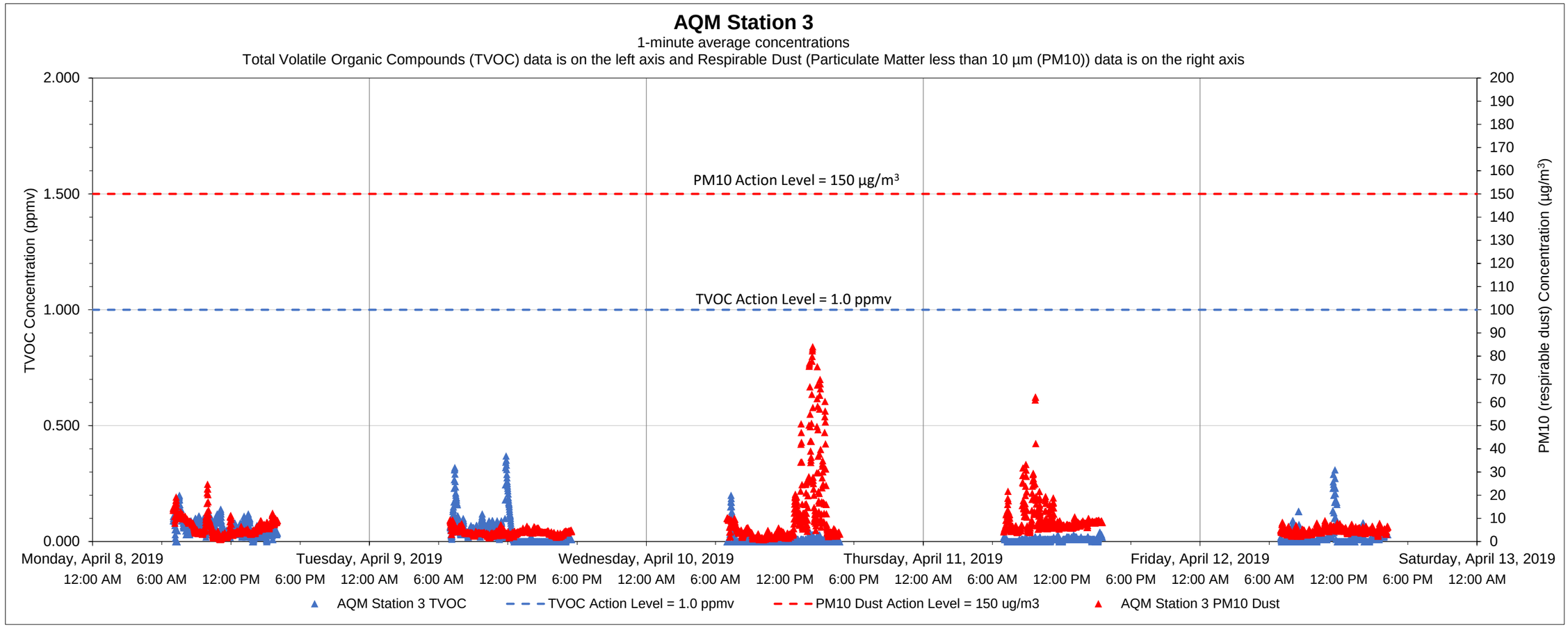

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.37	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.95	µg/m^3
PM10 maximum concentration	84.11	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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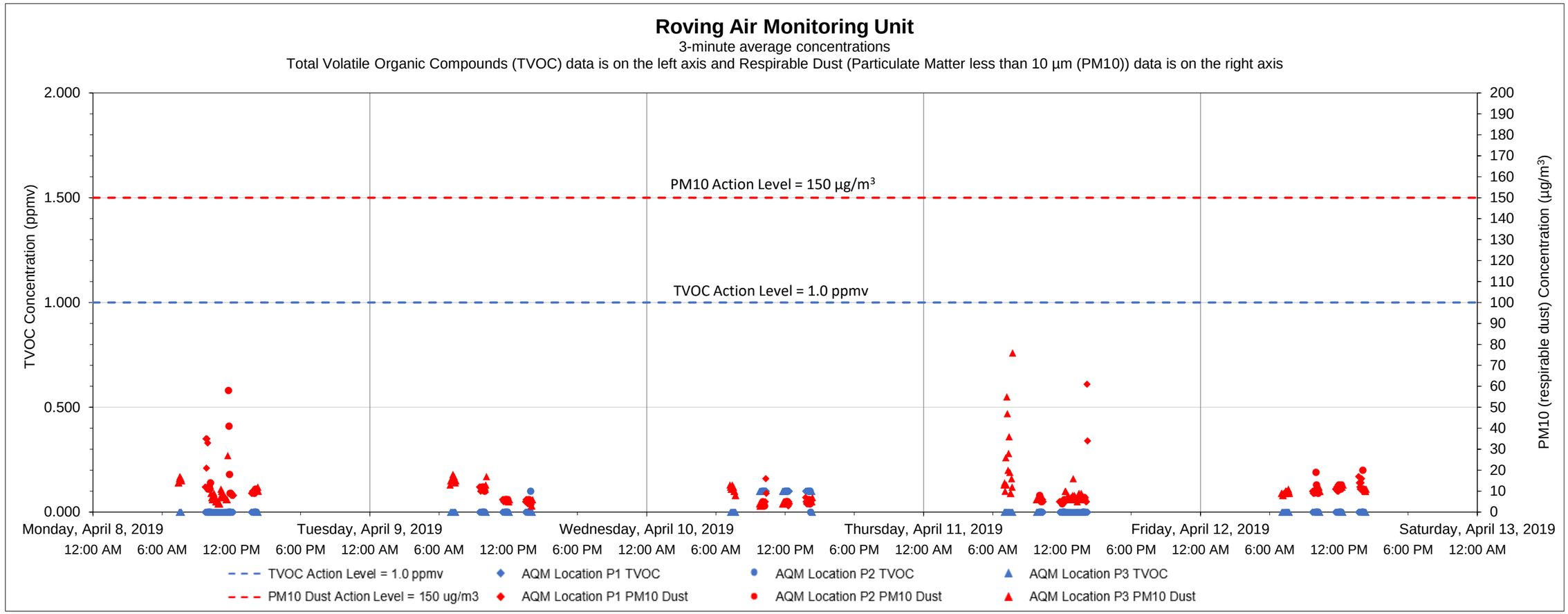

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.23	µg/m^3
PM10 maximum concentration	76	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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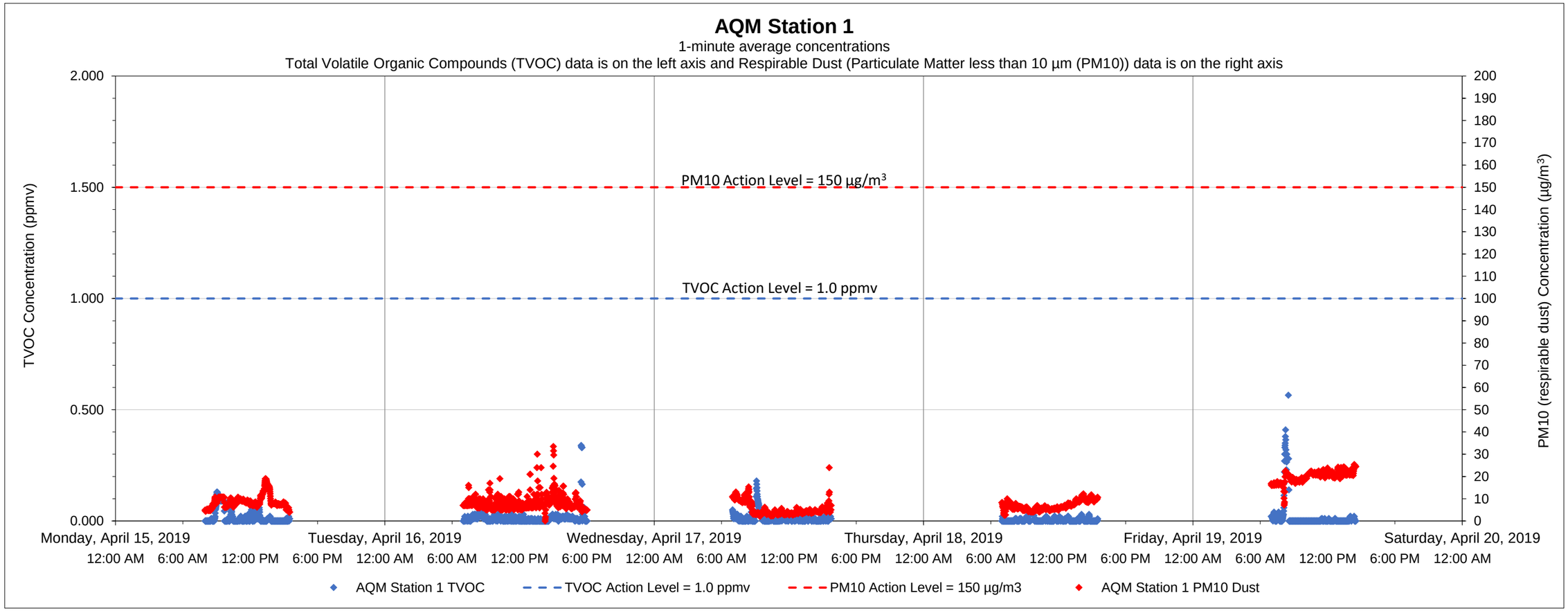

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.56	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.34	µg/m^3
PM10 maximum concentration	33.48	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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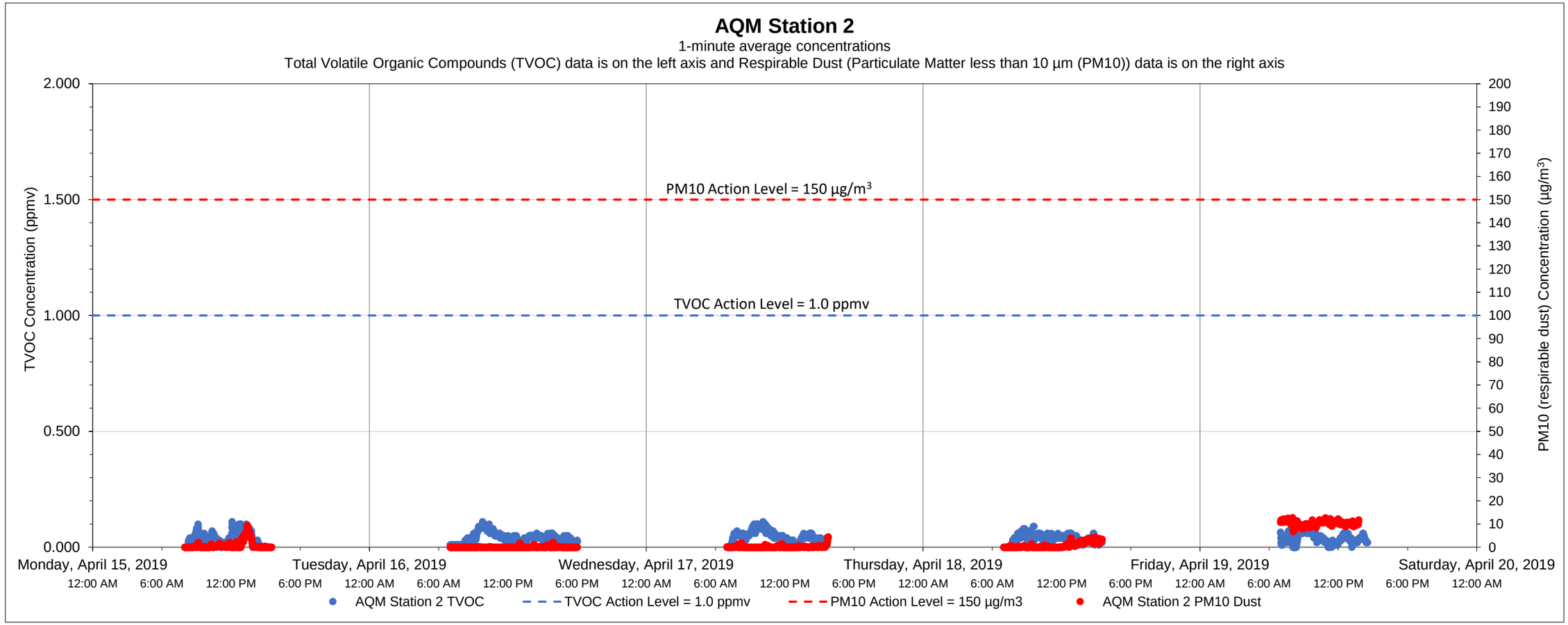

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.11	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.19	µg/m^3
PM10 maximum concentration	15.41	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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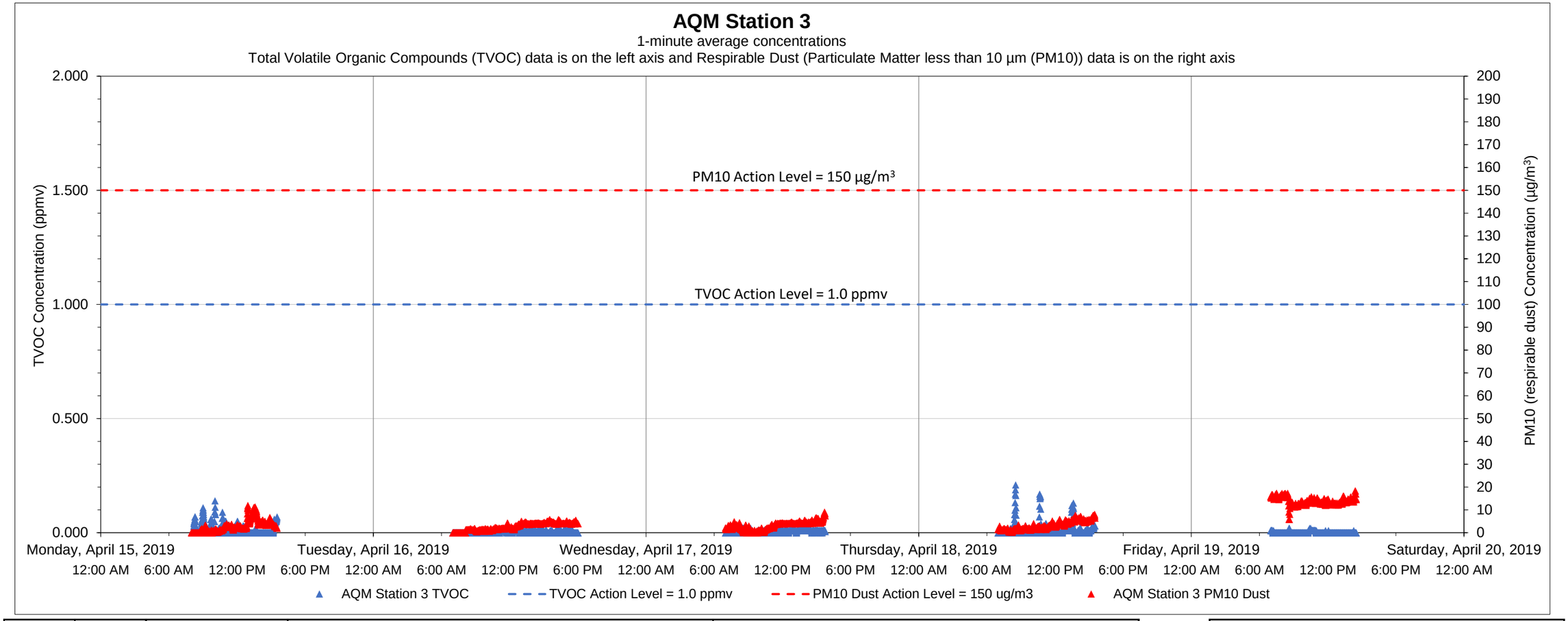

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.21	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.94	µg/m³
PM10 maximum concentration	18.31	µg/m³
PM10 action level	150	µg/m³

Notes:
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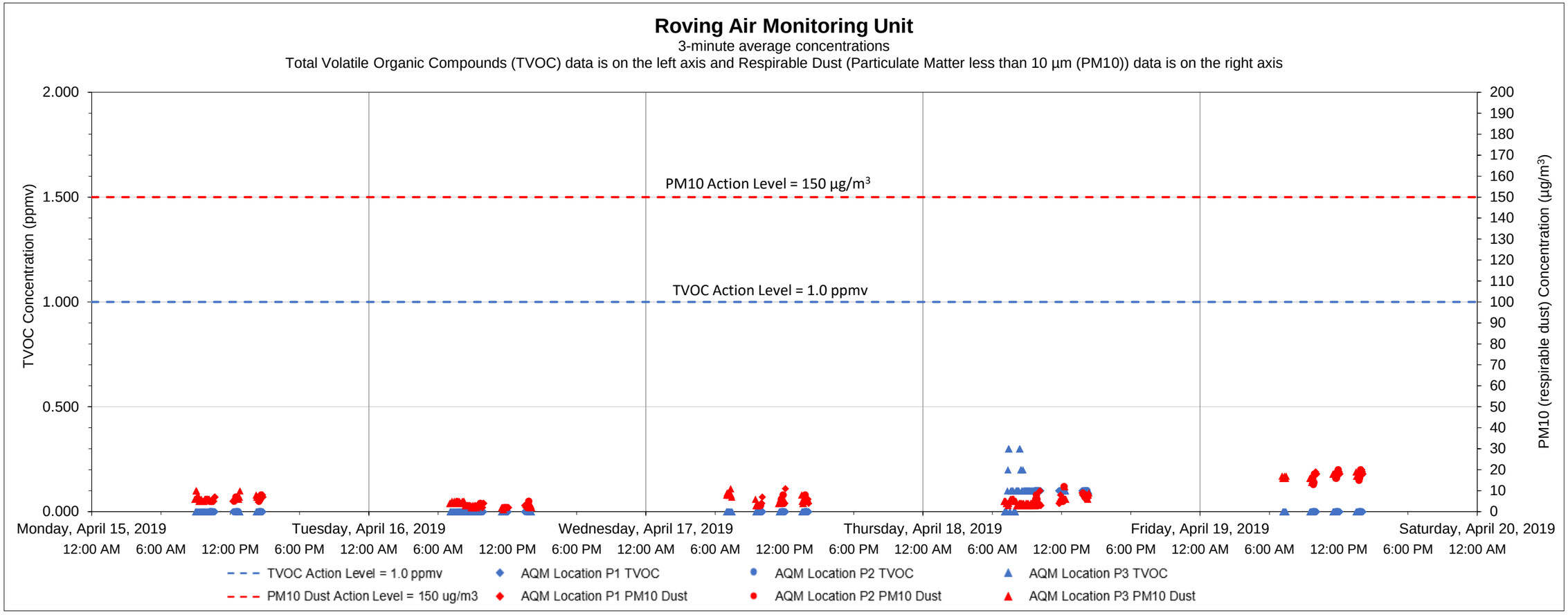

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.67	µg/m^3
PM10 maximum concentration	58	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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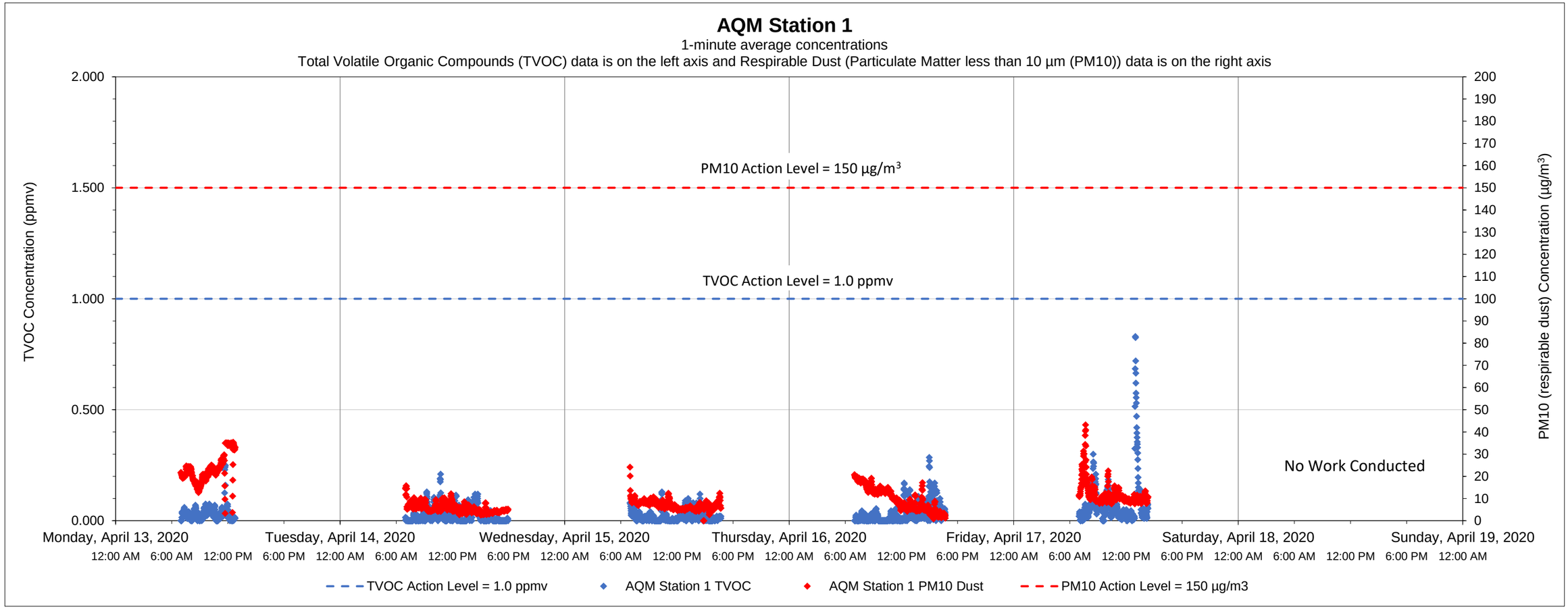

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.83	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.21	µg/m^3
PM10 maximum concentration	43.18	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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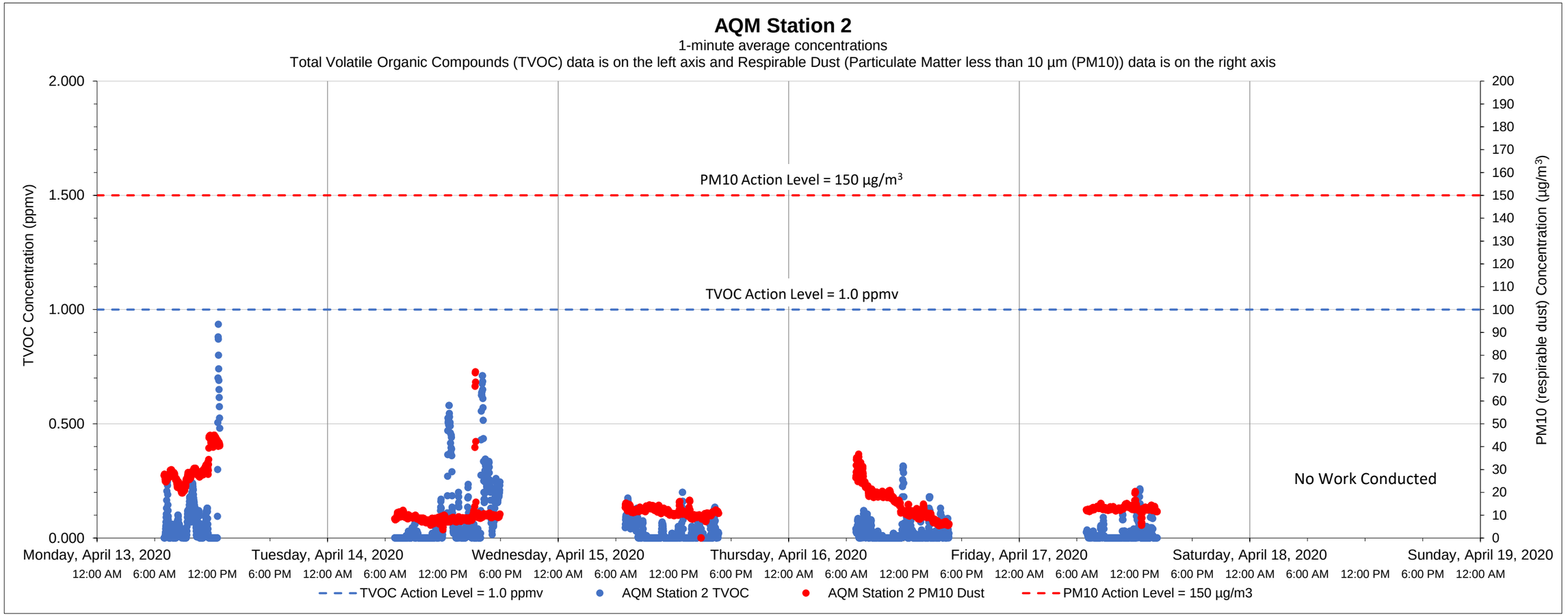

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentratio	0.93	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.30	µg/m^3
PM10 maximum concentratio	72.77	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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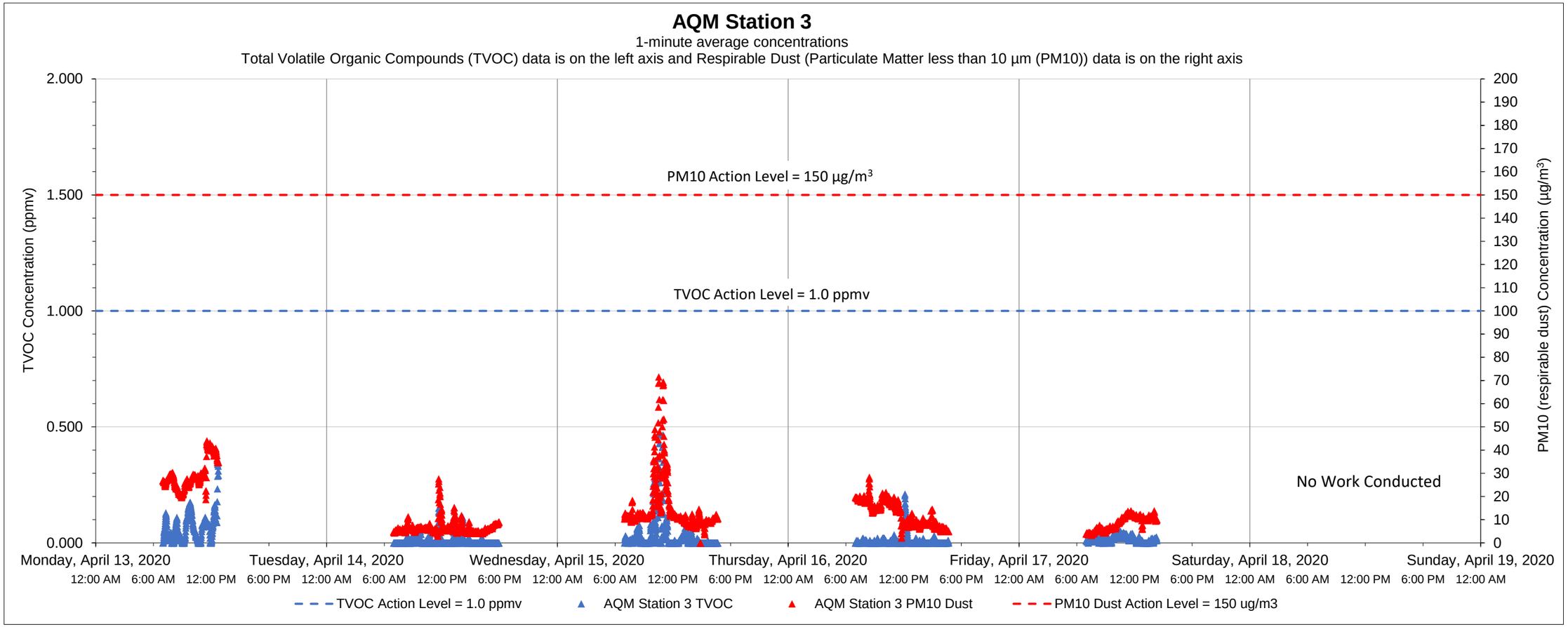

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.47	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.07	µg/m^3
PM10 maximum concentration	71.54	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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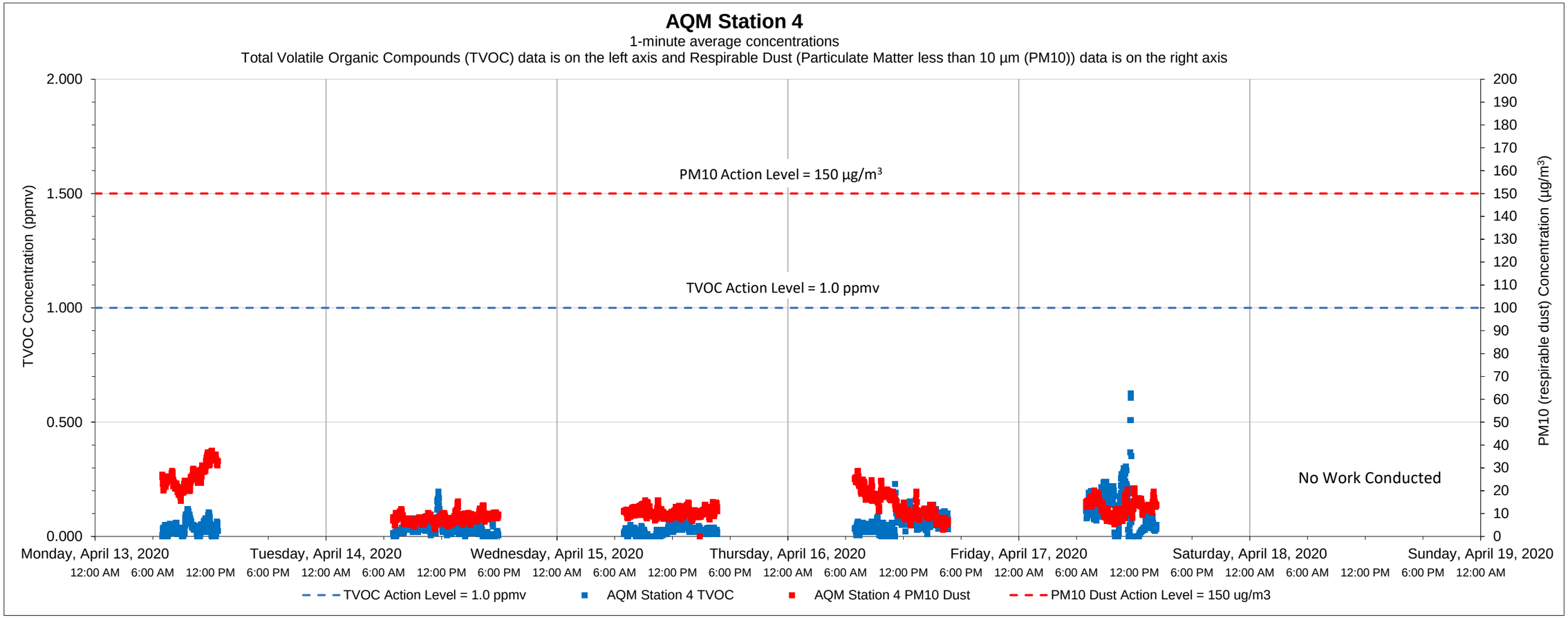

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.63	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.16	µg/m^3
PM10 maximum concentration	37.56	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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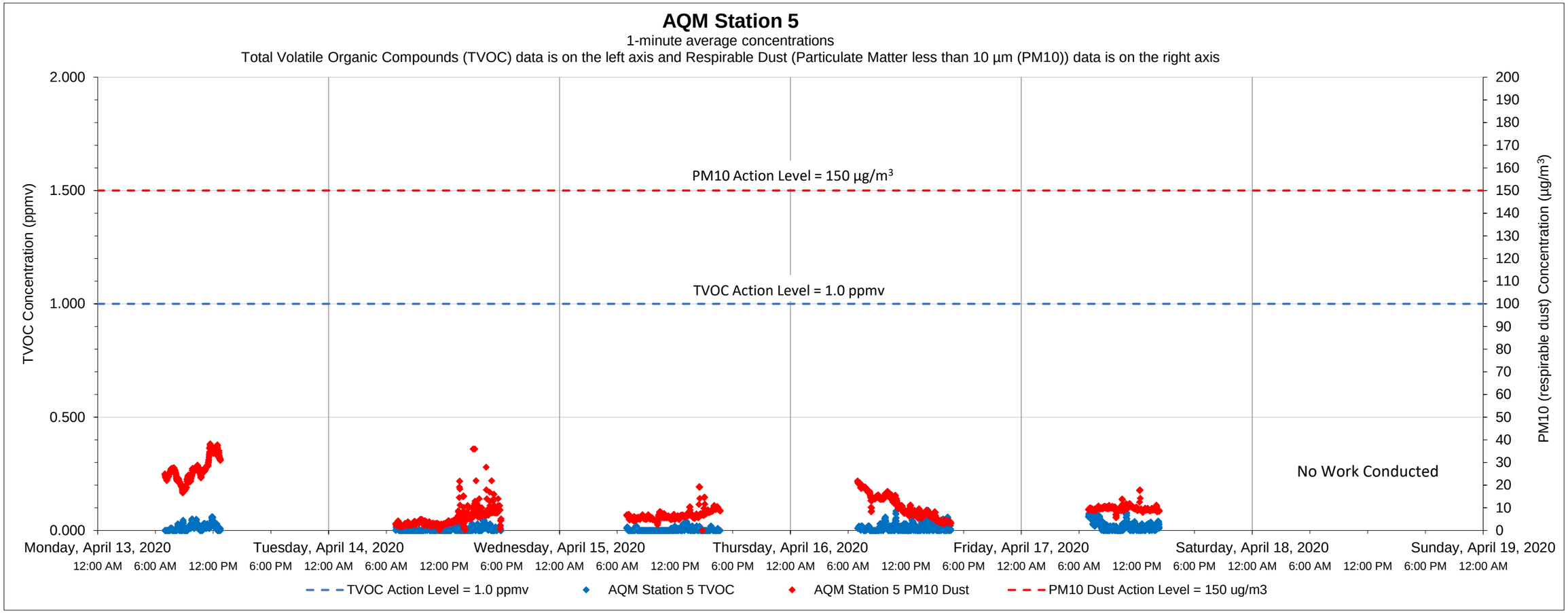

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.35	µg/m^3
PM10 maximum concentration	38.29	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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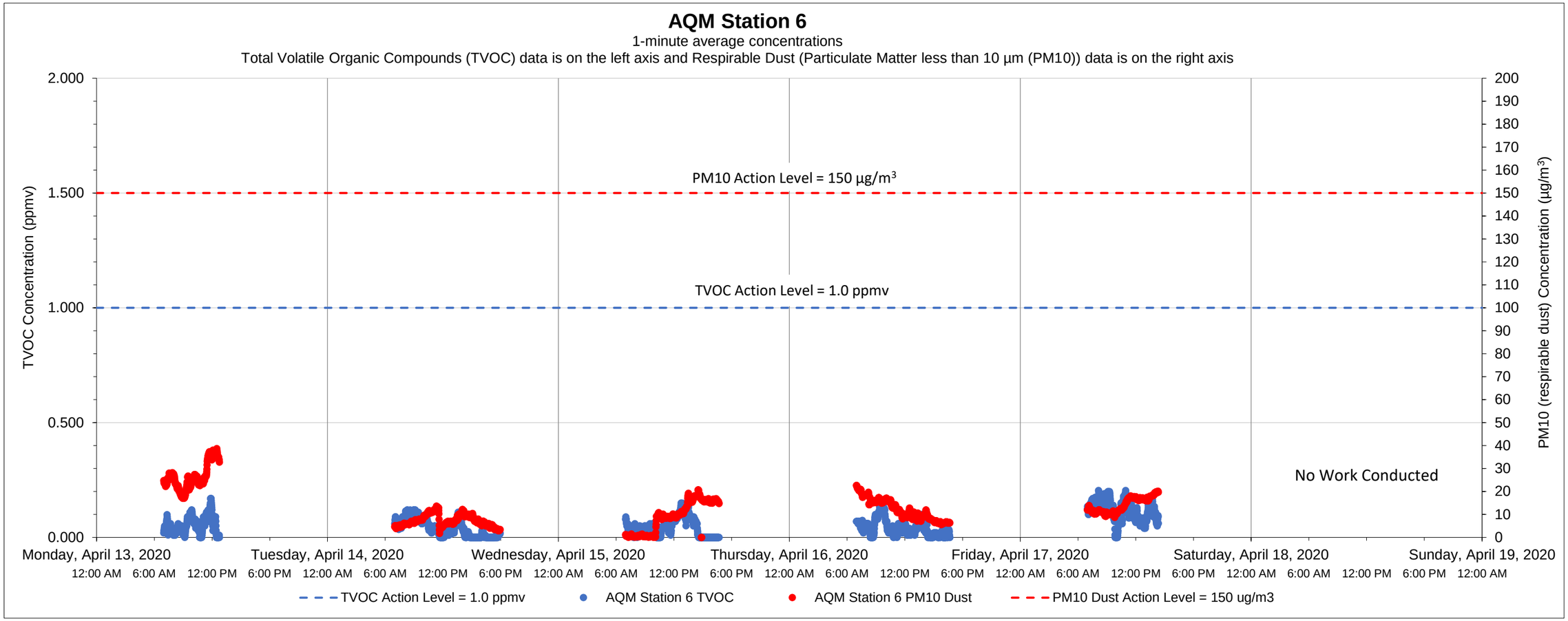

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.41	µg/m^3
PM10 maximum concentration	38.75	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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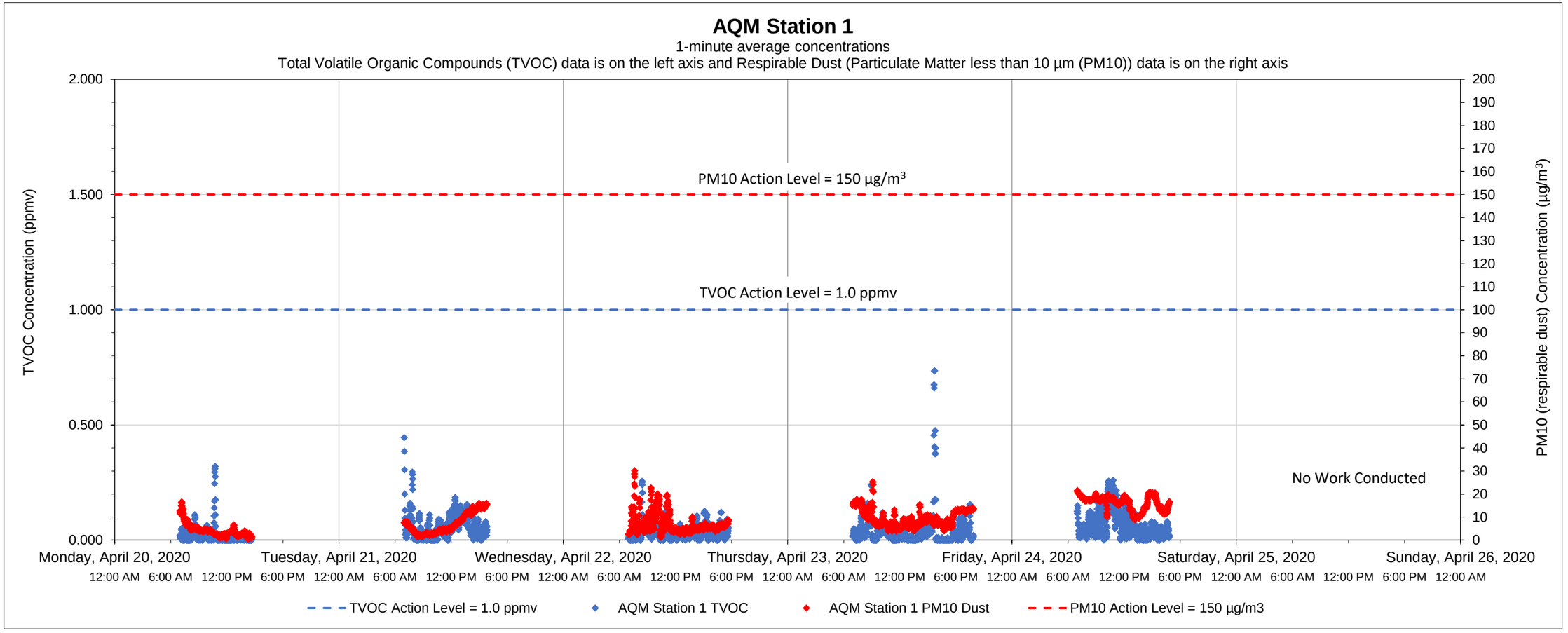

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.73	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.88	µg/m^3
PM10 maximum concentration	30.14	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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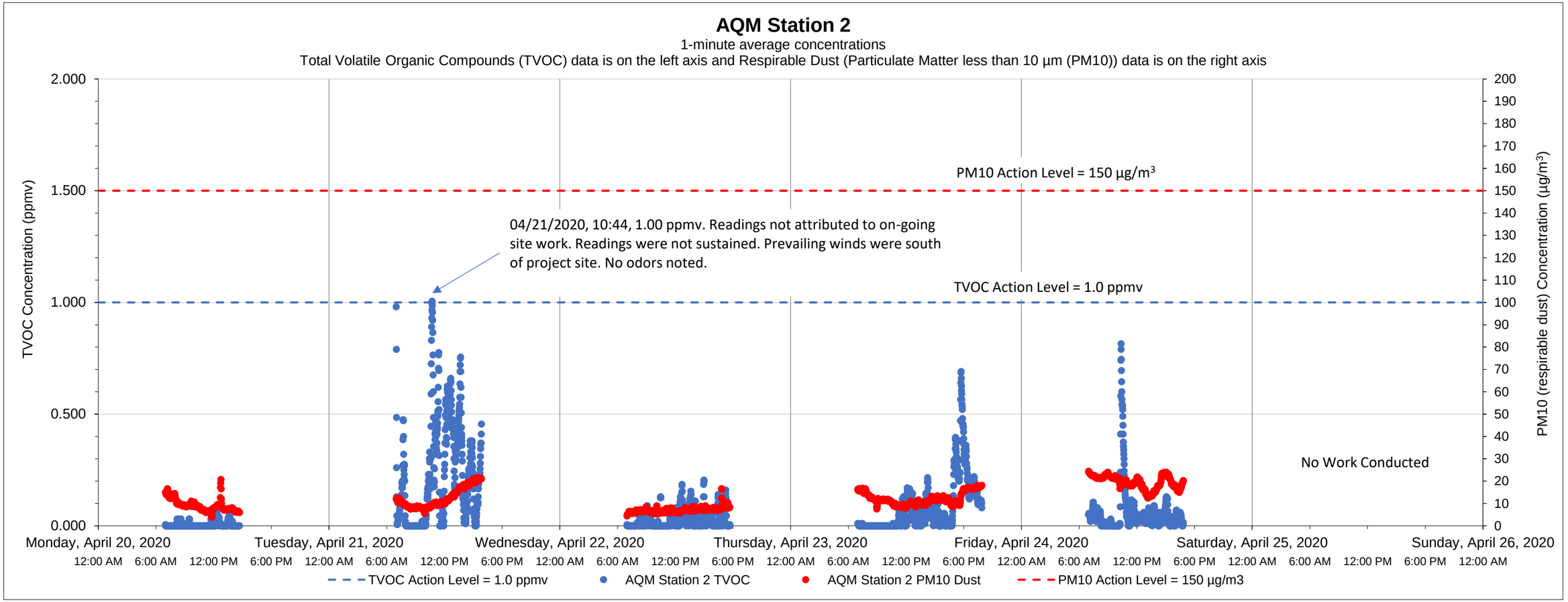

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	1.00	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.04	µg/m^3
PM10 maximum concentration	24.38	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes

Notes:

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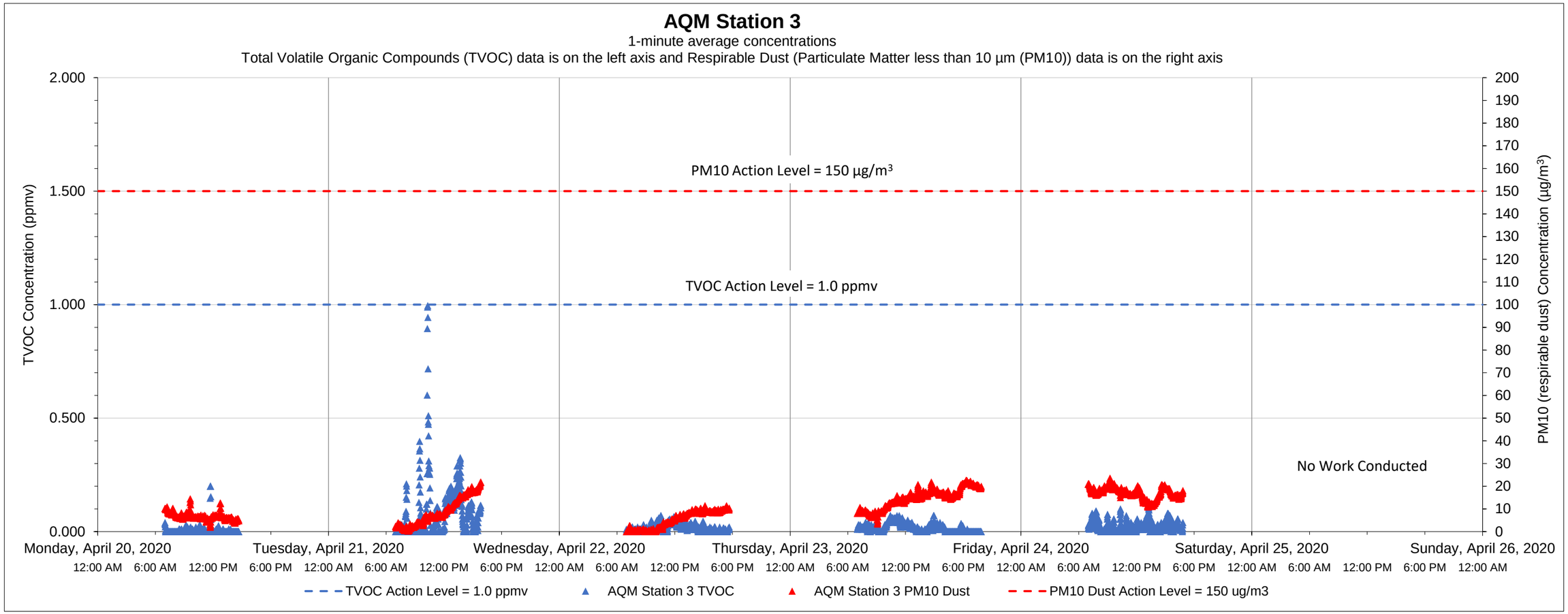

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.99	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.86	µg/m^3
PM10 maximum concentration	23.52	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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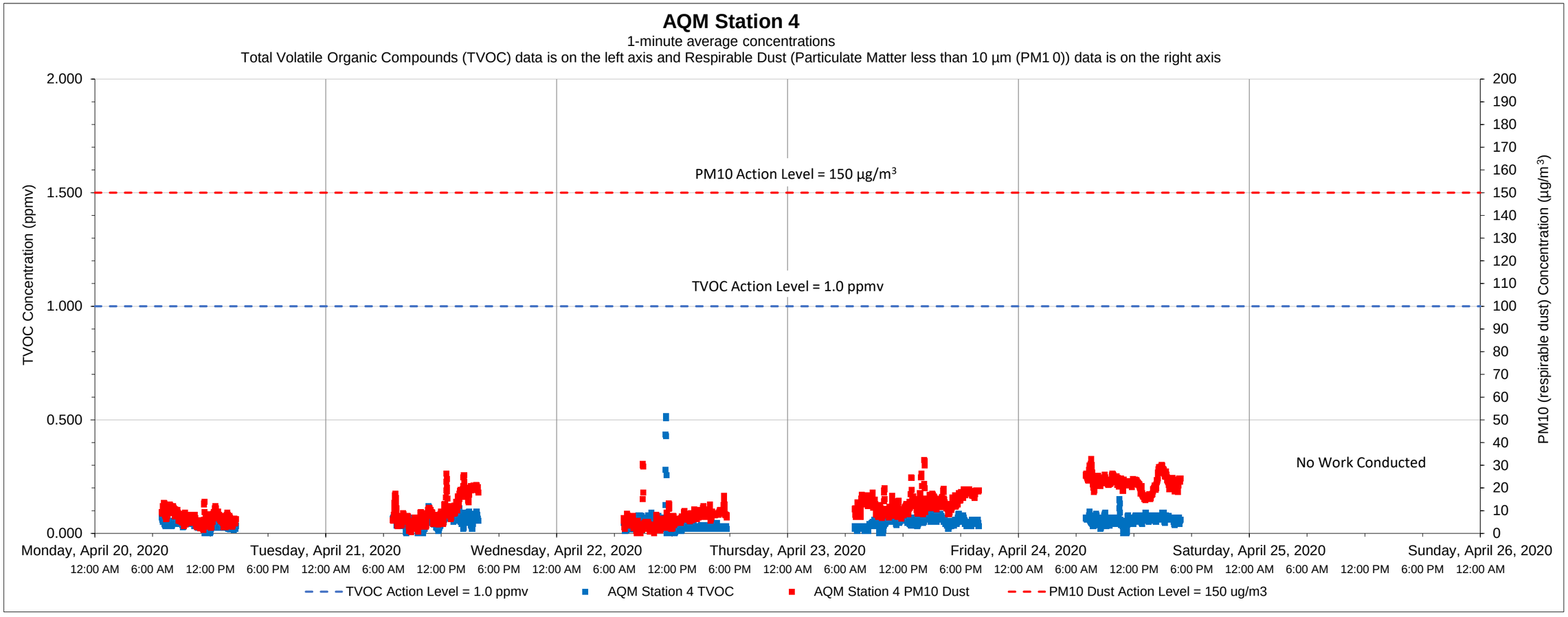

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.52	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.98	µg/m³
PM10 maximum concentration	32.69	µg/m³
PM10 action level	150	µg/m³

Notes:

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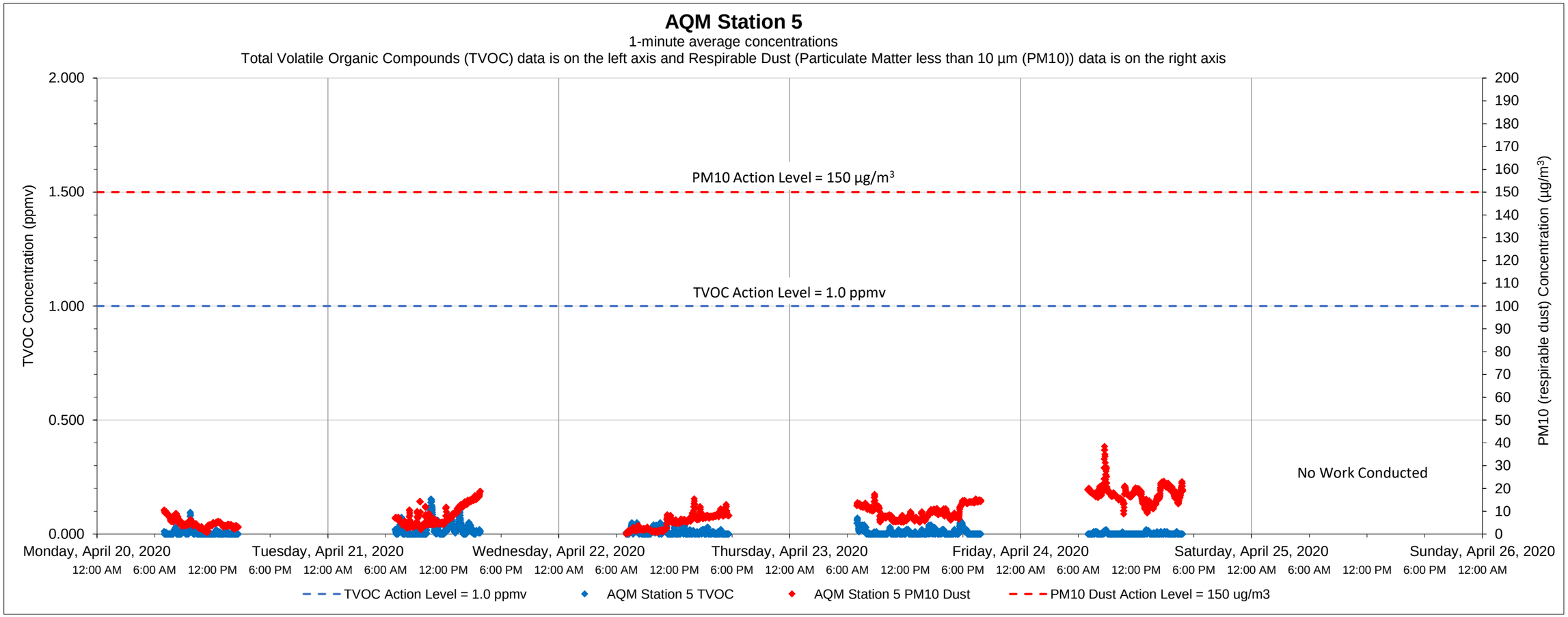
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
4/27/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.15	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.18	µg/m^3
PM10 maximum concentration	38.41	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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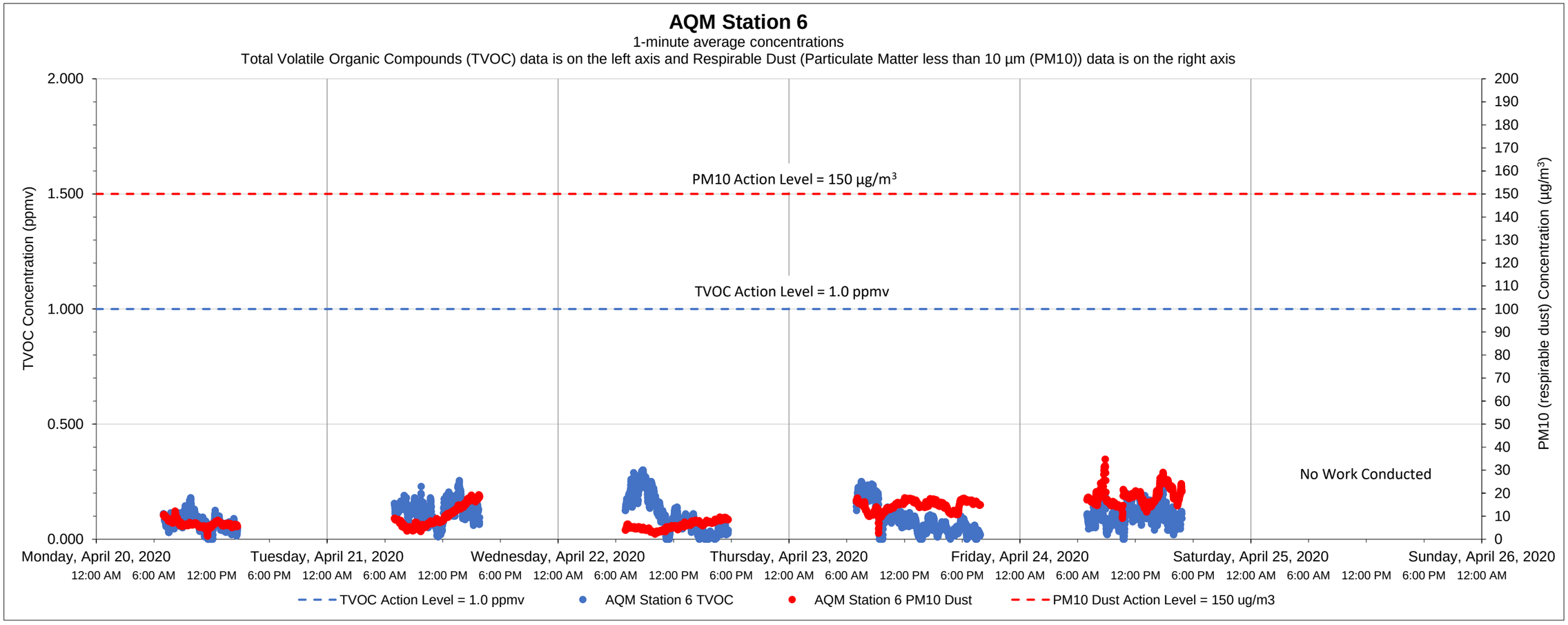
4/27/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.42	µg/m³
PM10 maximum concentration	34.72	µg/m³
PM10 action level	150	µg/m³

Notes:
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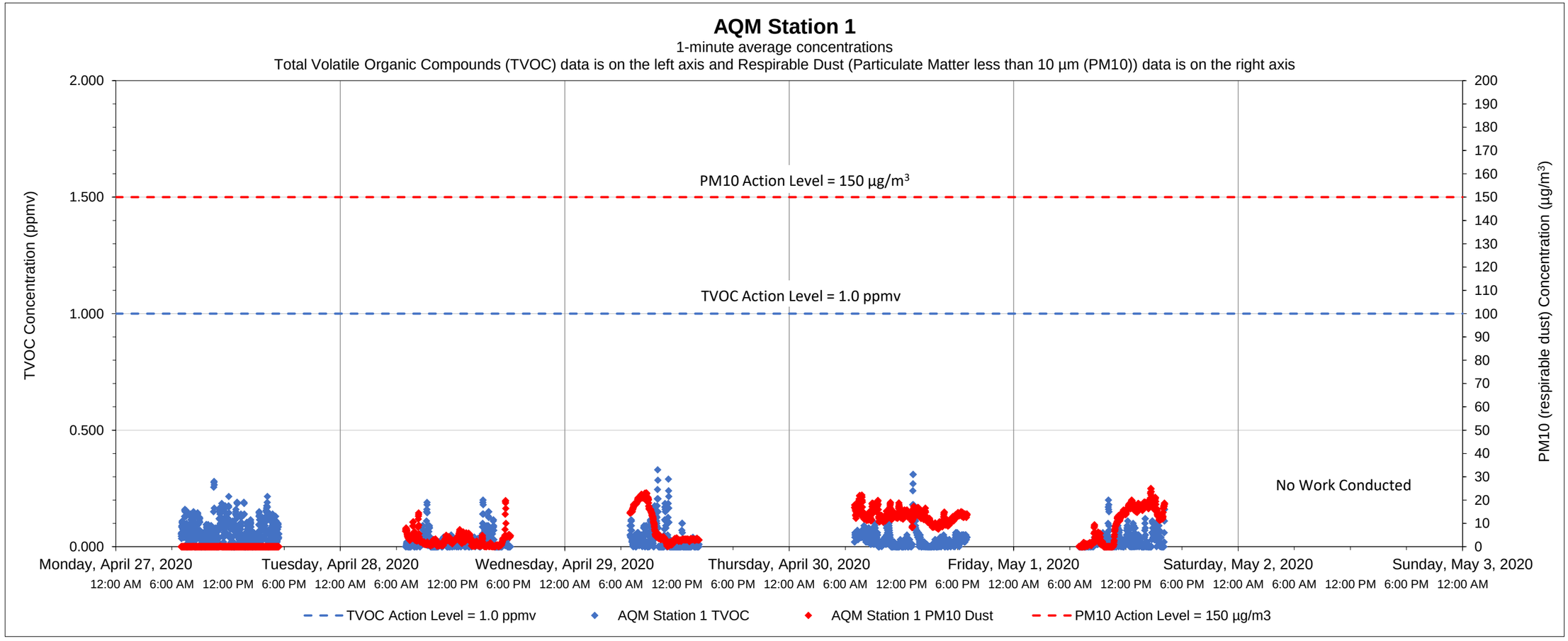
GZA Job No. 03.0033554.04
05/04/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.33	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.74	µg/m^3
PM10 maximum concentration	24.96	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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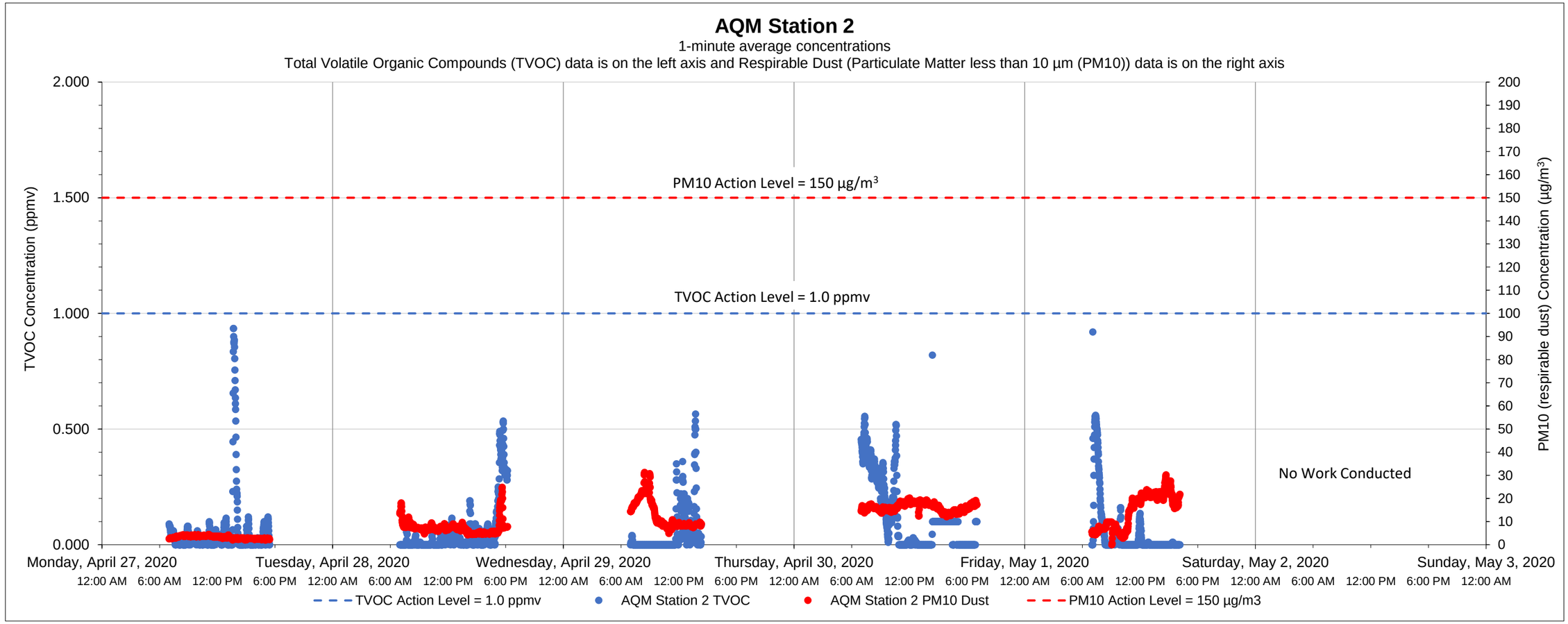

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentratio	0.93	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.69	µg/m^3
PM10 maximum concentratio	31.30	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes

Notes:

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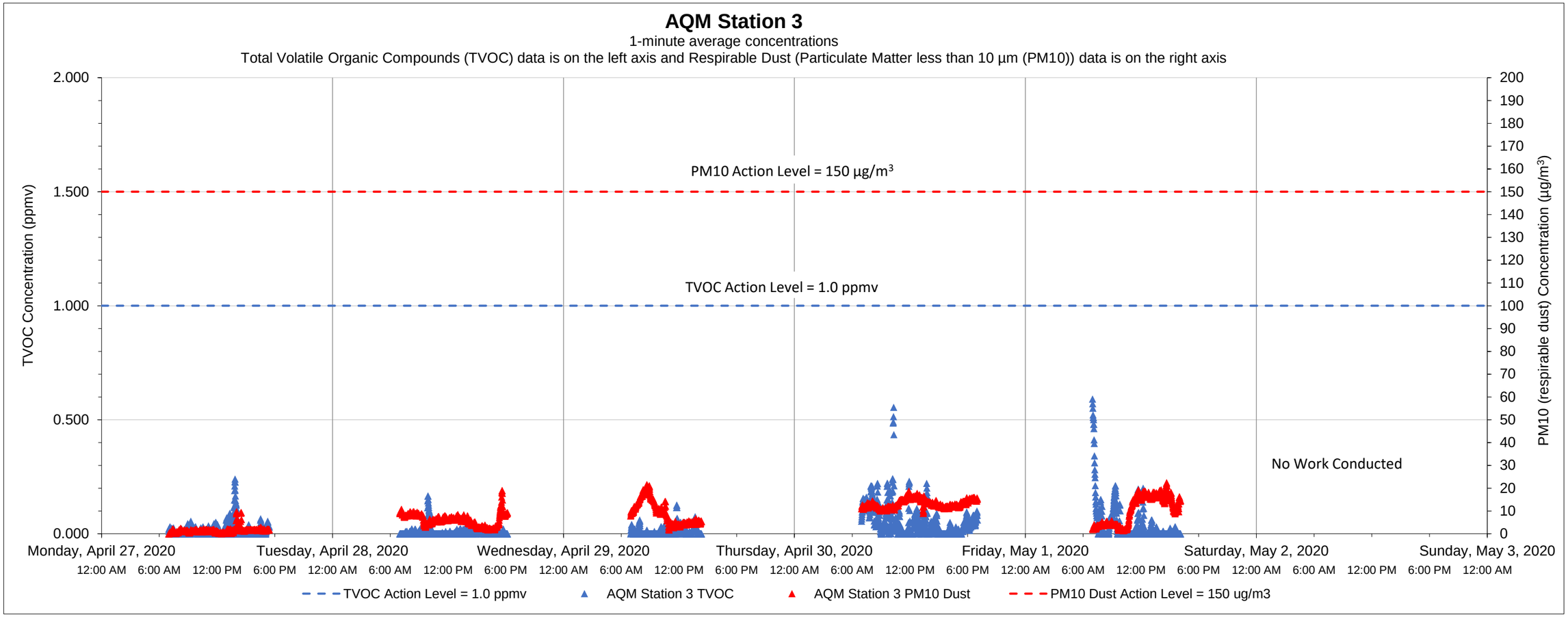

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.59	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.11	µg/m^3
PM10 maximum concentration	22.37	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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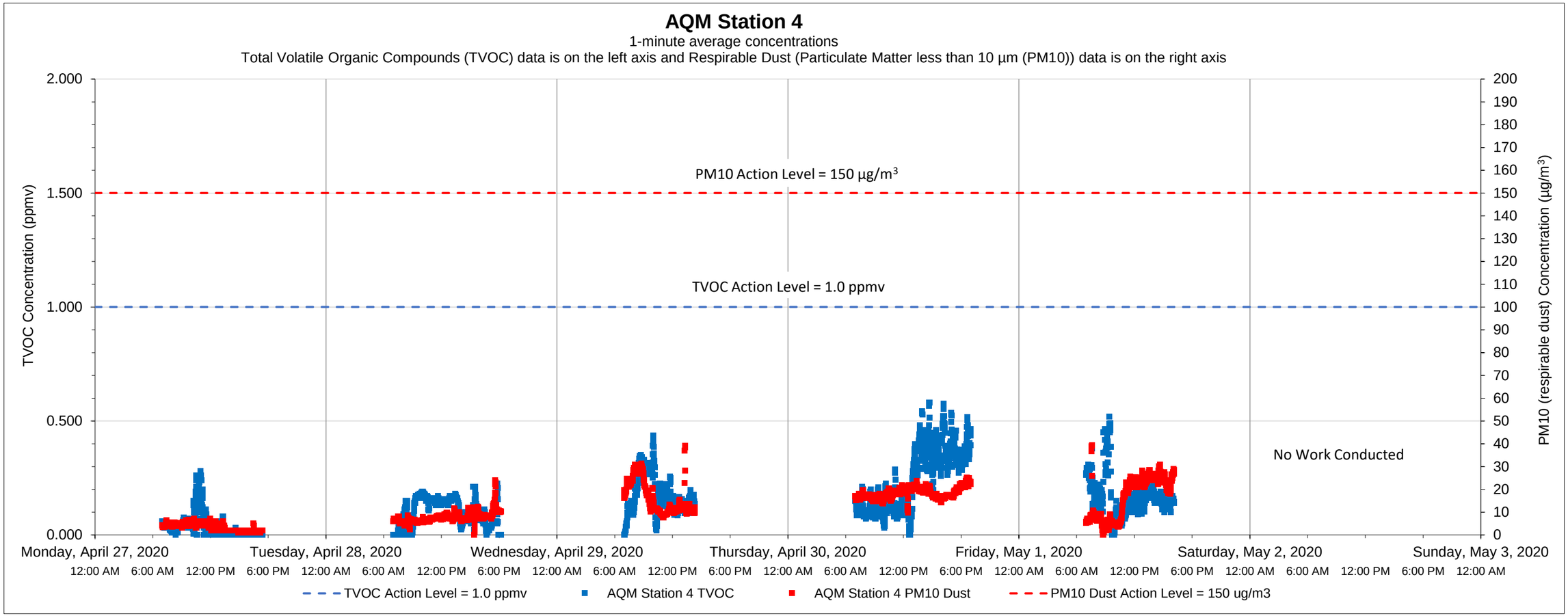

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.14	ppm
TVOCs maximum concentration	0.58	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.14	µg/m^3
PM10 maximum concentration	39.34	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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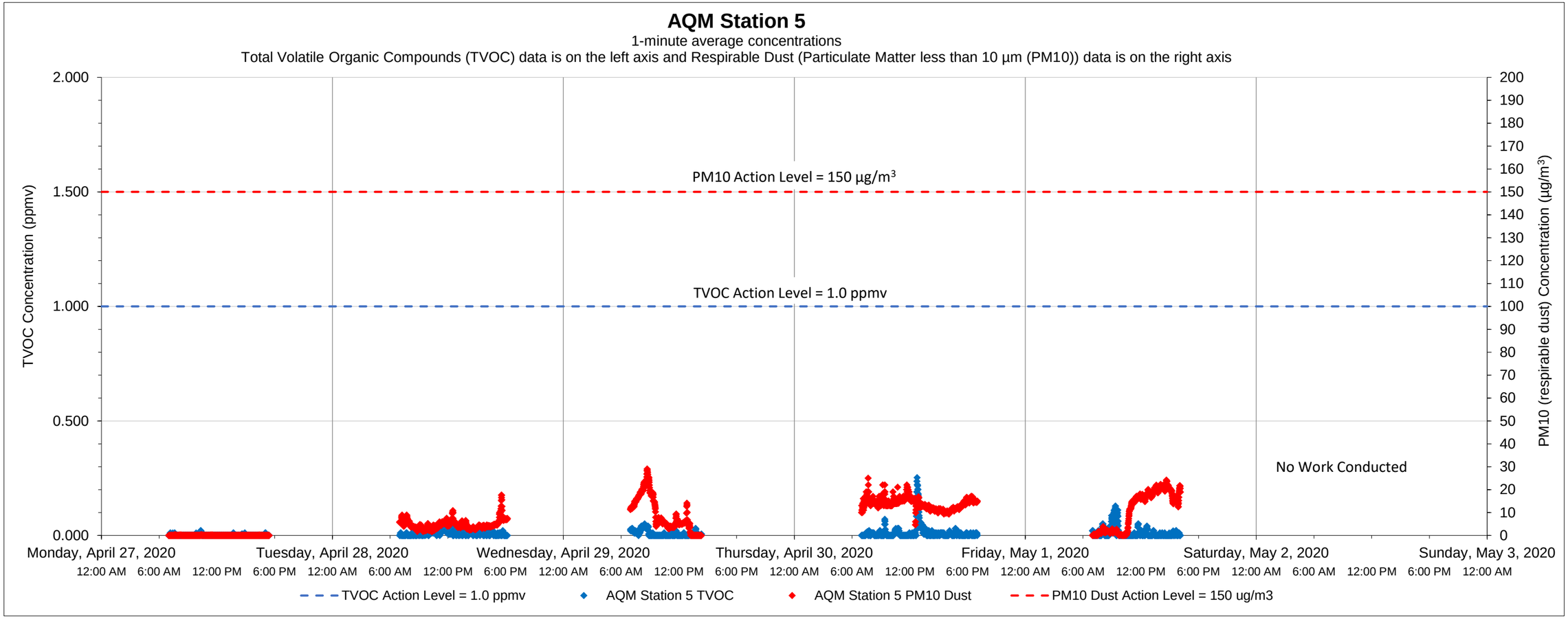

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.61	µg/m³
PM10 maximum concentration	29.01	µg/m³
PM10 action level	150	µg/m³

Notes:
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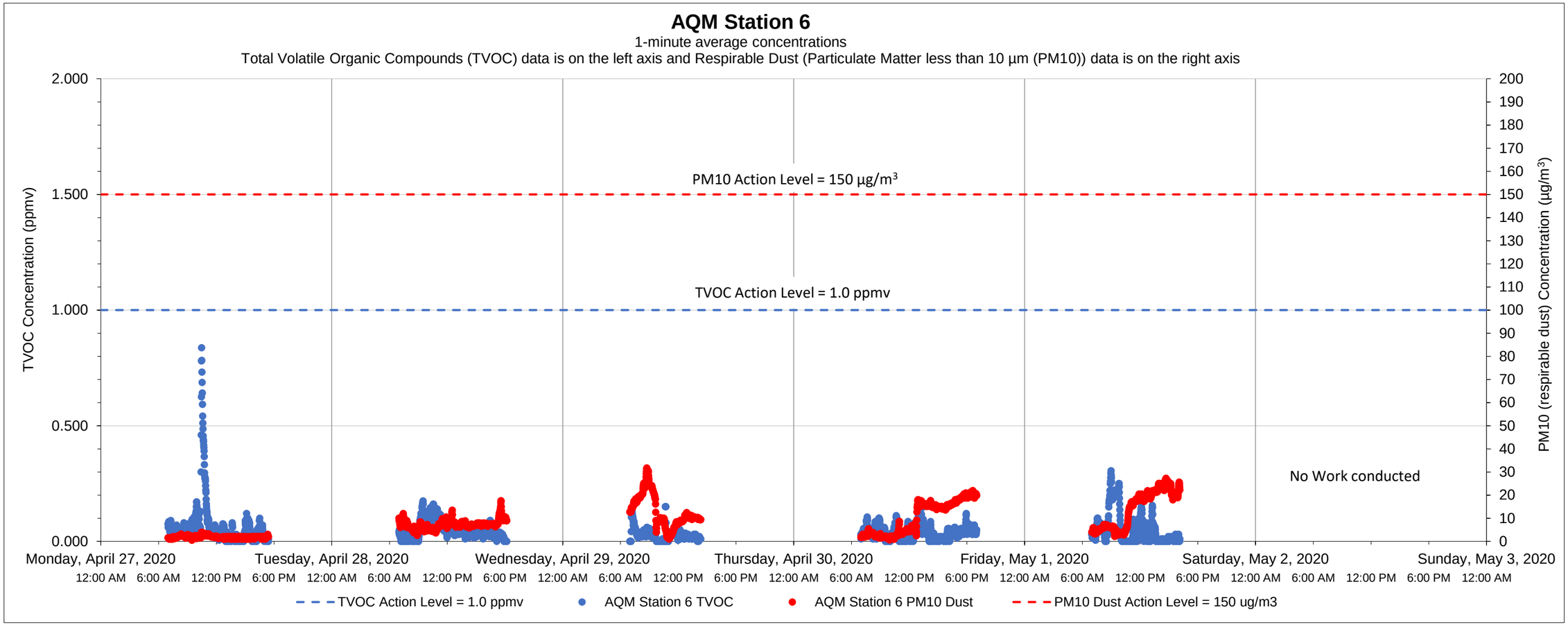

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.84	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.86	µg/m^3
PM10 maximum concentration	31.74	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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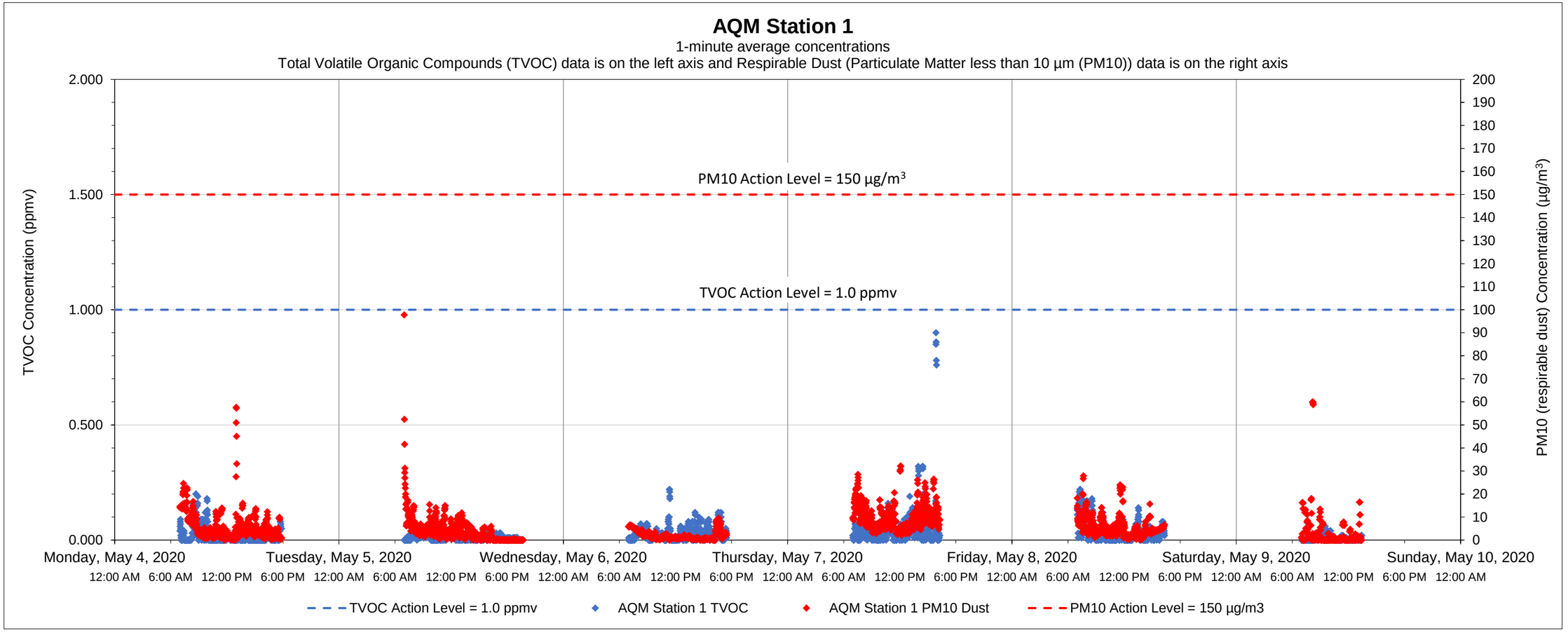

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.90	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.83	µg/m^3
PM10 maximum concentration	97.78	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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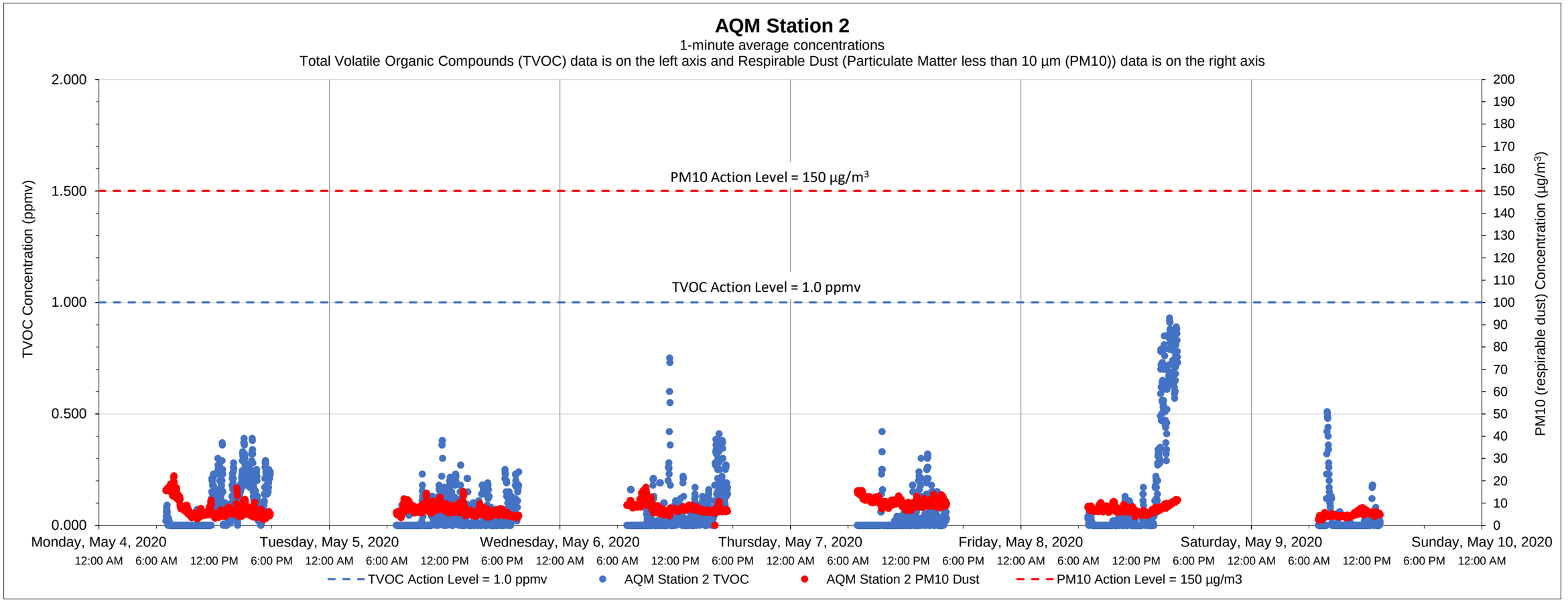

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.93	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.39	µg/m^3
PM10 maximum concentration	22.22	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes

Notes:

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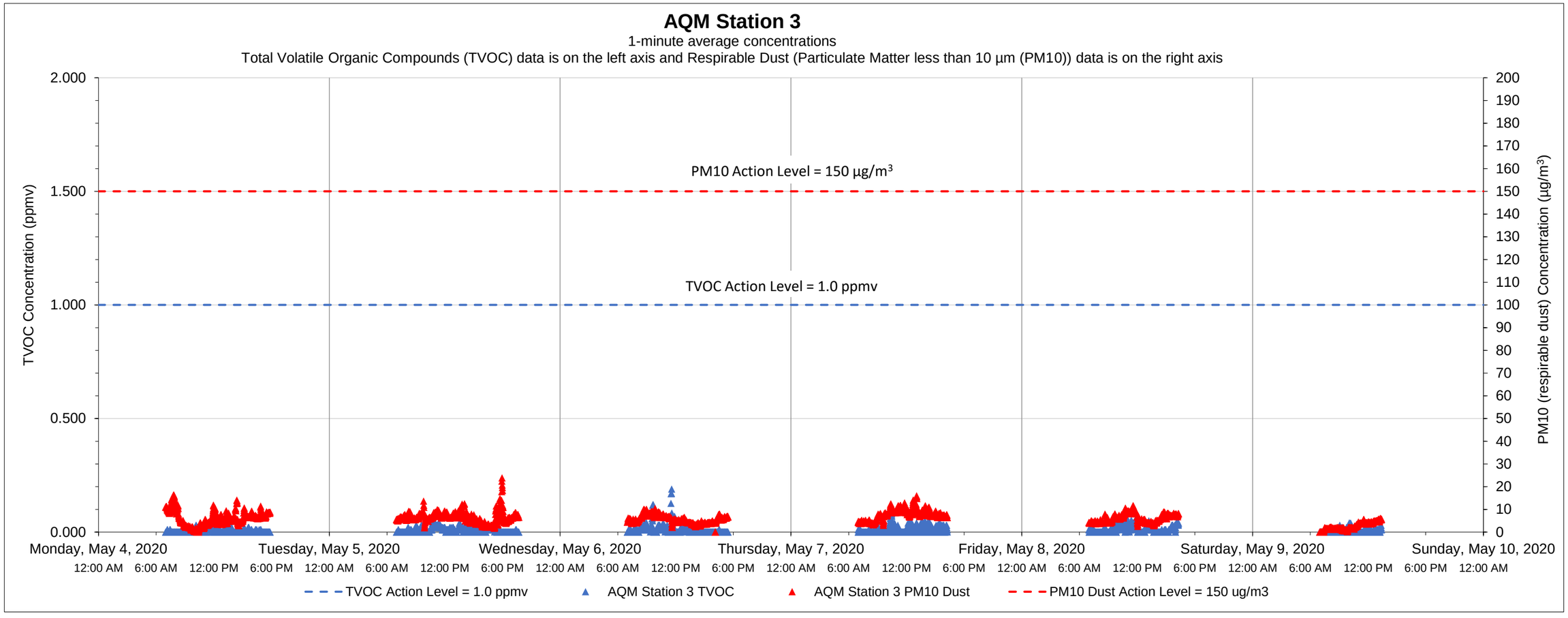

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.91	µg/m^3
PM10 maximum concentration	23.82	µg/m^3
PM10 action level	150	µg/m^3

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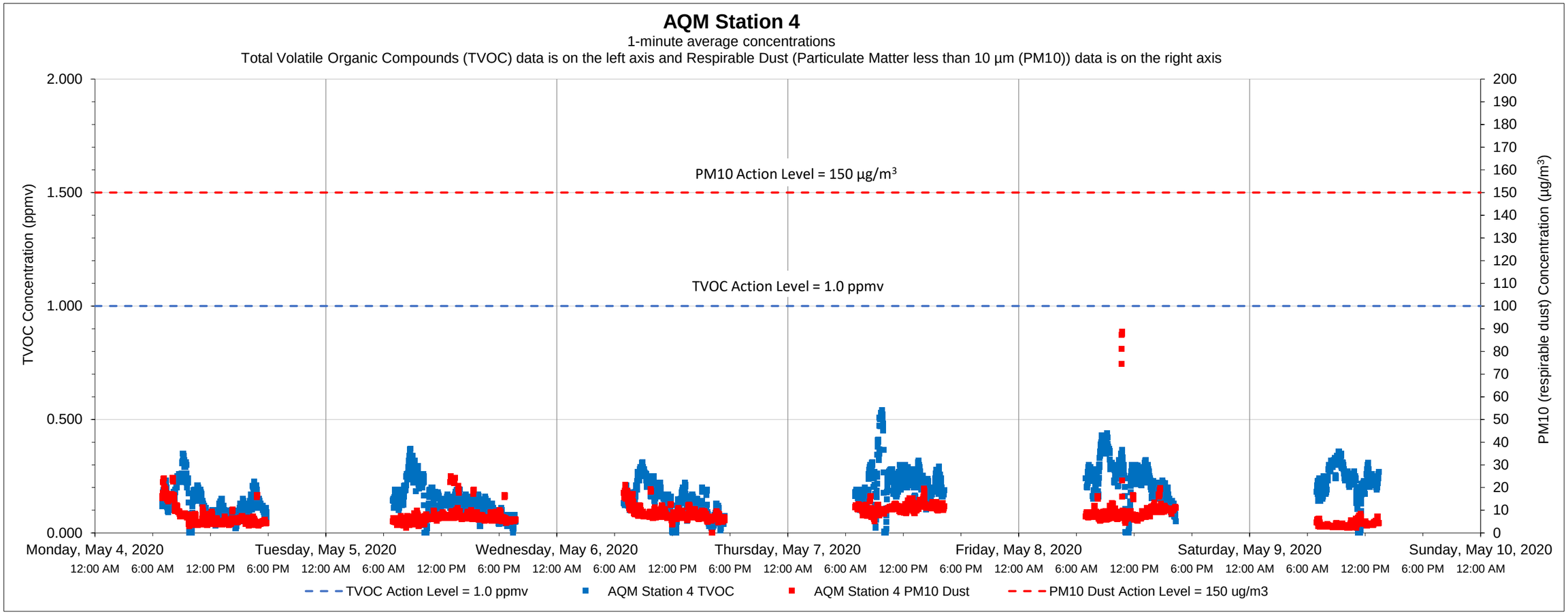

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.18	ppm
TVOCs maximum concentration	0.54	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.96	µg/m^3
PM10 maximum concentration	88.70	µg/m^3
PM10 action level	150	µg/m^3

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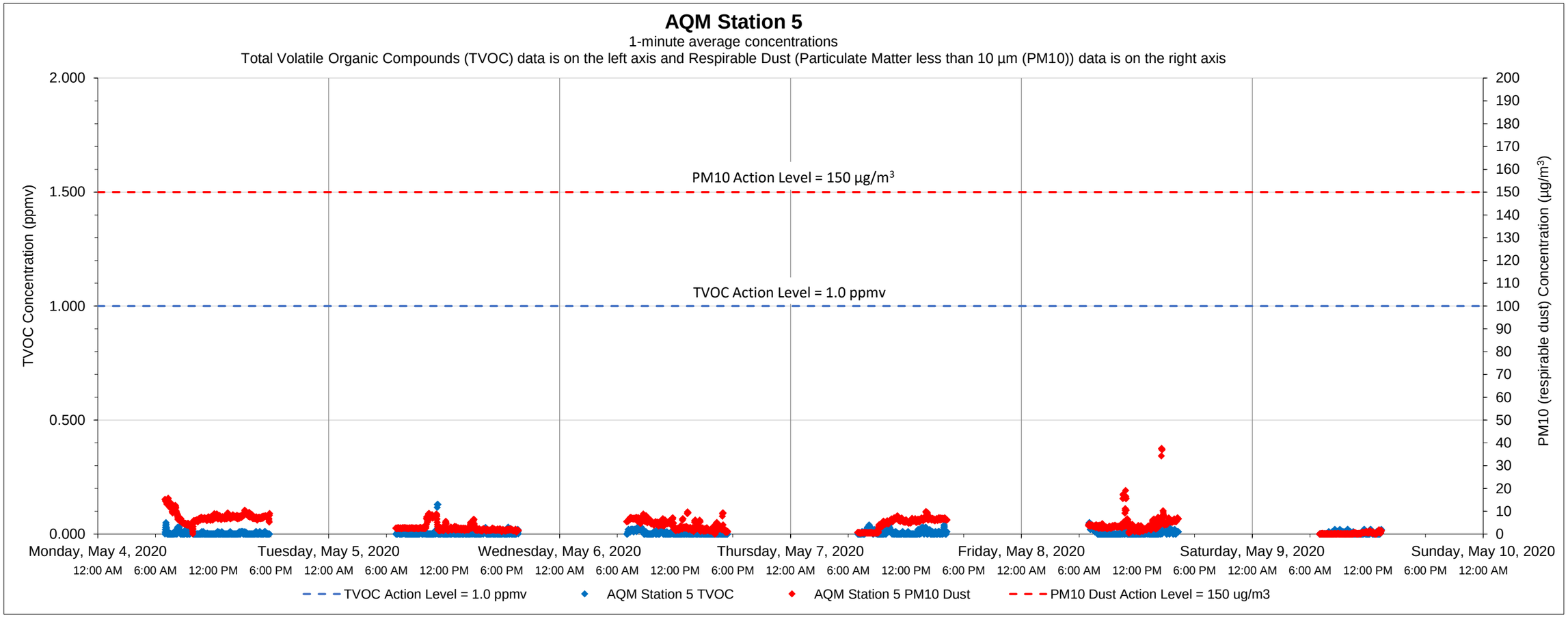

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.13	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.13	µg/m³
PM10 maximum concentration	37.54	µg/m³
PM10 action level	150	µg/m³

Notes:
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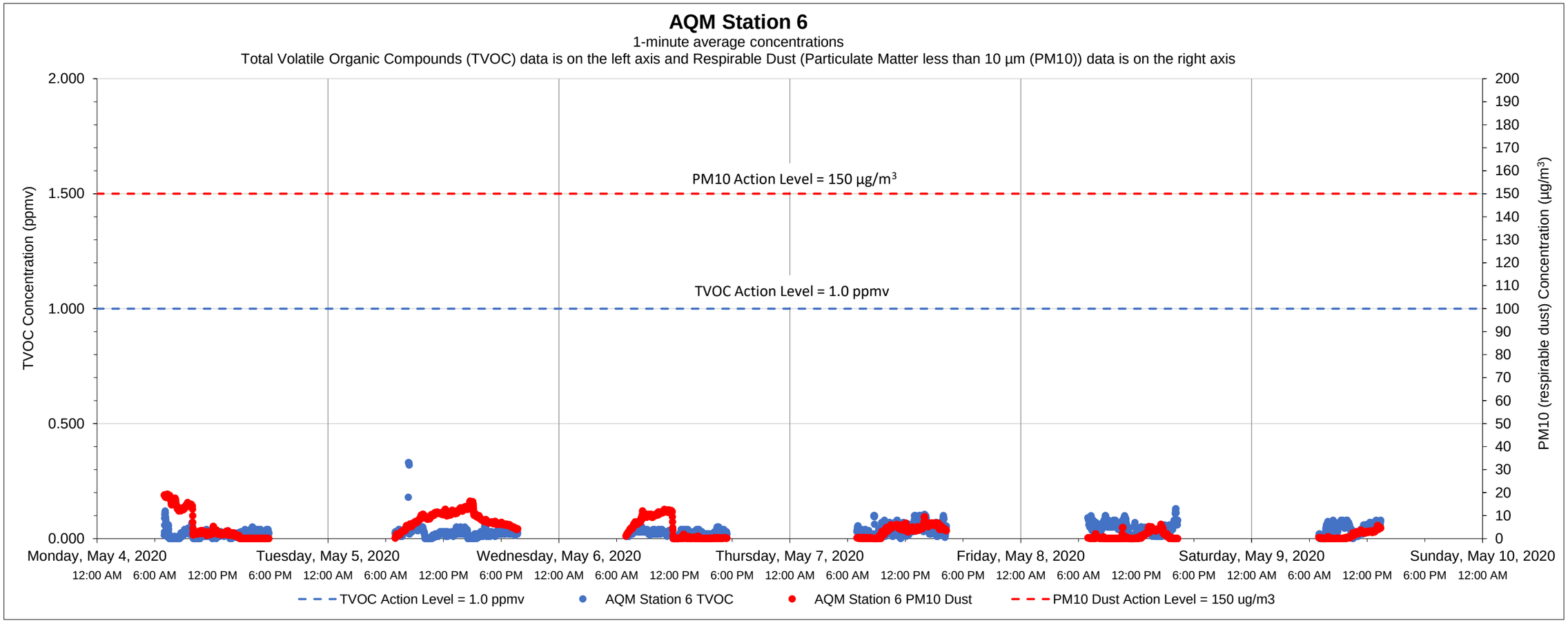

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.33	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.42	µg/m^3
PM10 maximum concentration	19.36	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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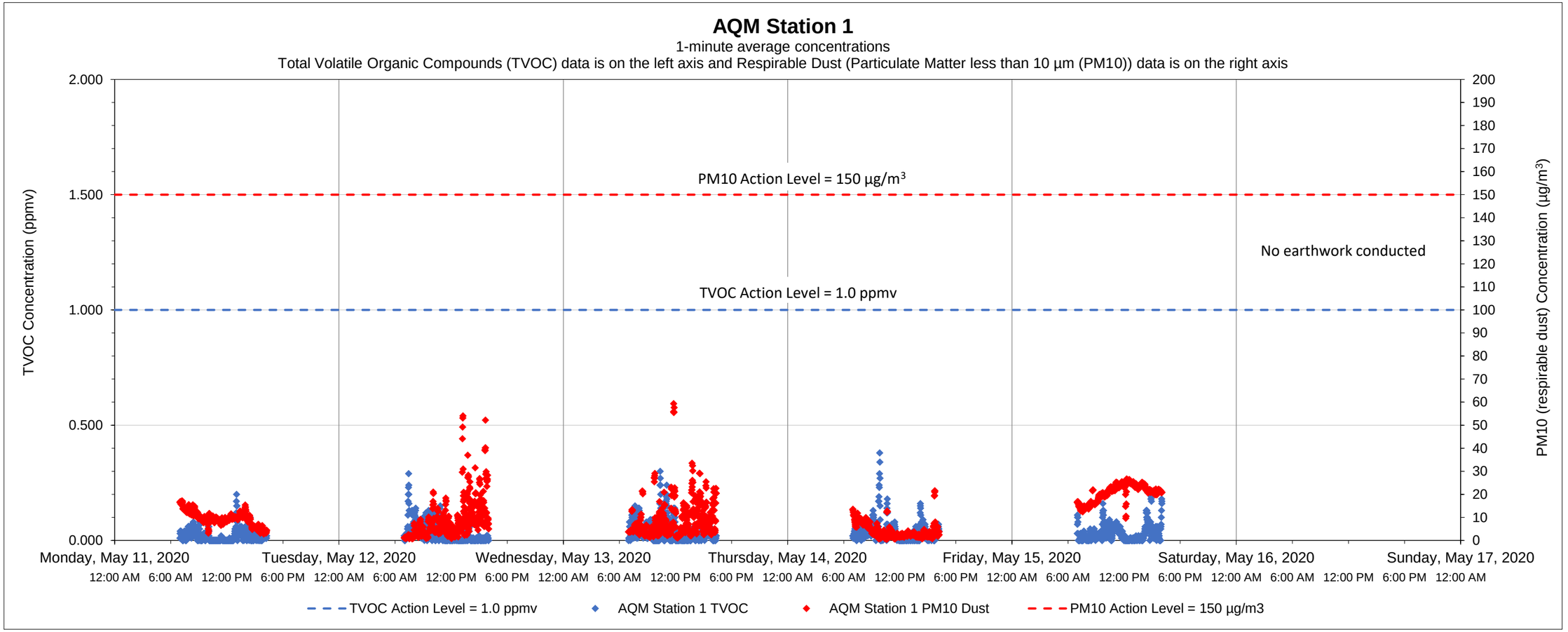

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.38	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.11	µg/m^3
PM10 maximum concentration	59.33	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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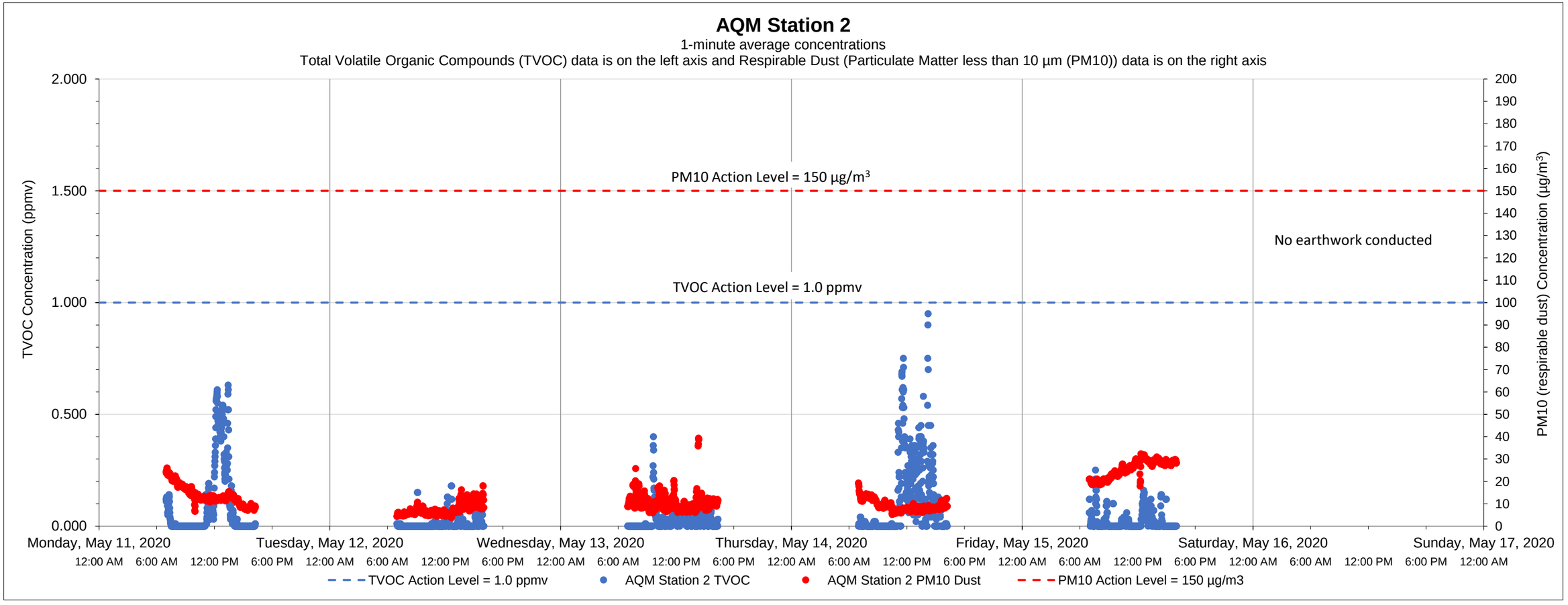

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.95	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.13	µg/m^3
PM10 maximum concentration	39.28	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes

Notes:

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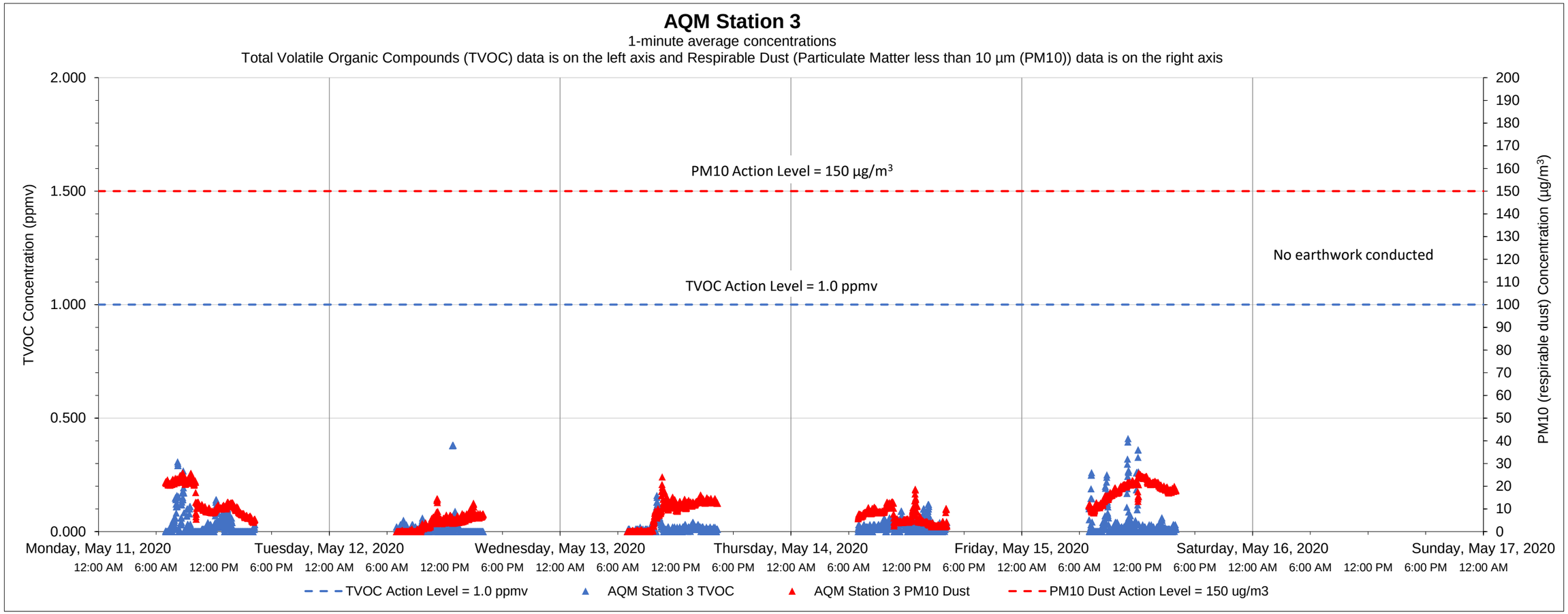

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.41	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.21	µg/m^3
PM10 maximum concentration	25.78	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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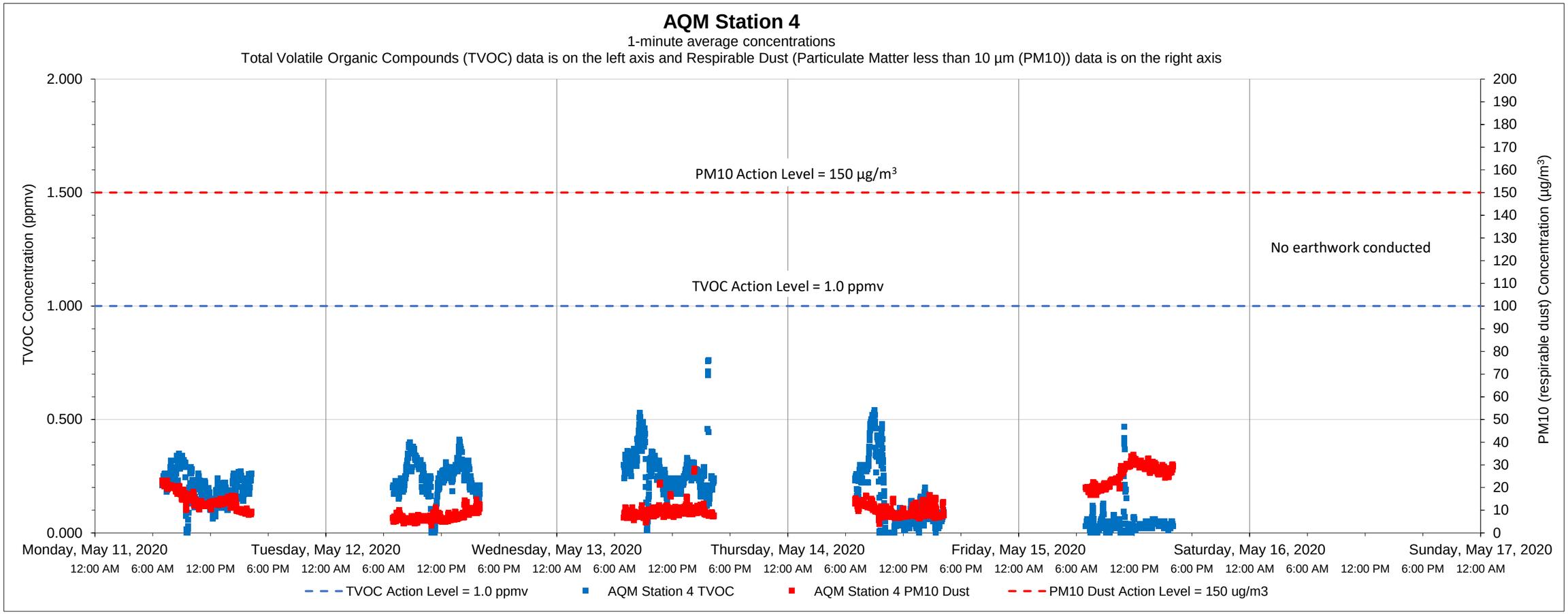
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
05/18/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.18	ppm
TVOCs maximum concentration	0.76	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.26	µg/m^3
PM10 maximum concentration	34.49	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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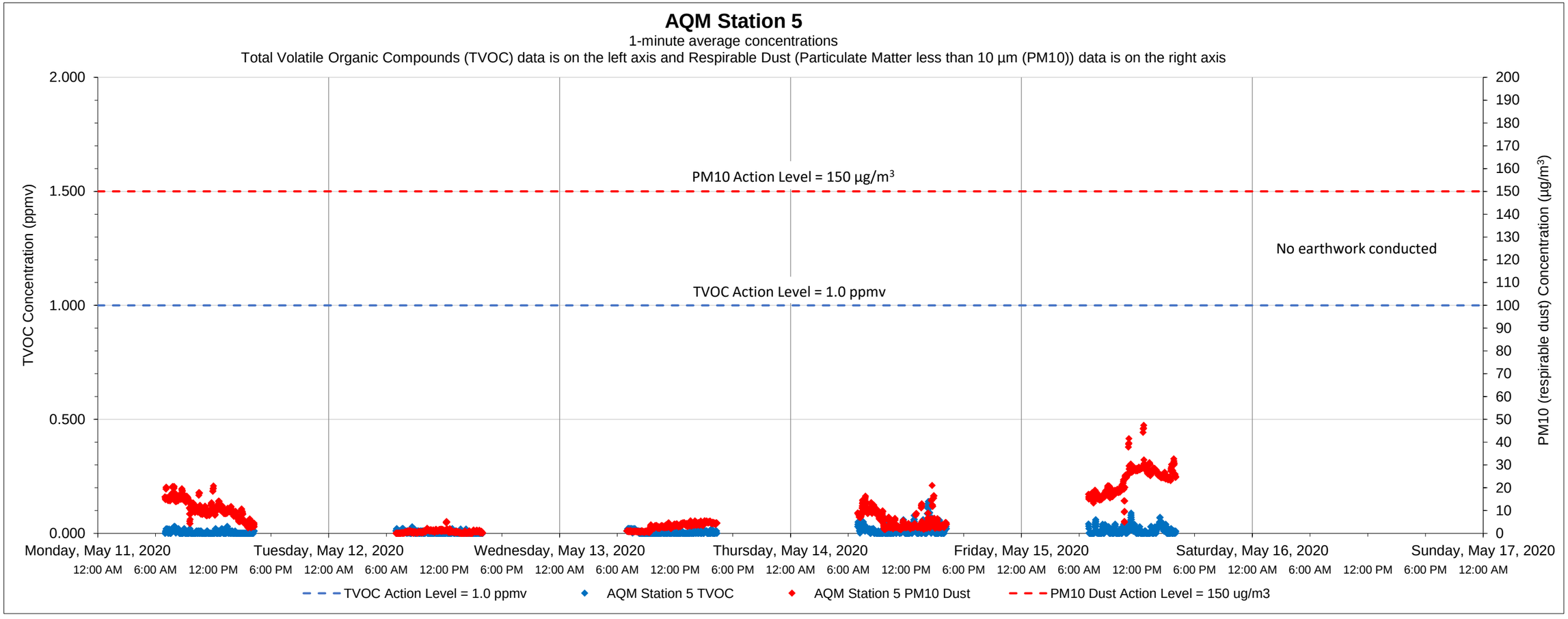

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.14	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.63	µg/m^3
PM10 maximum concentration	47.42	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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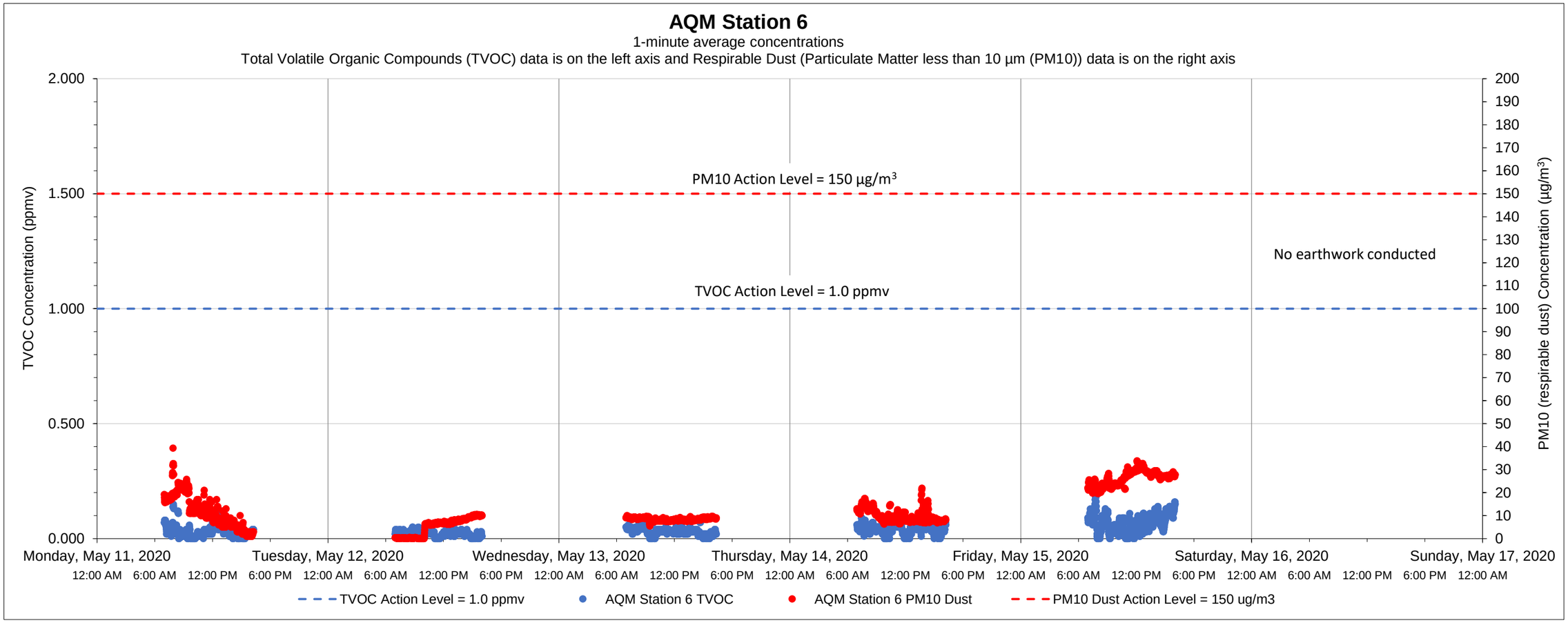

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.13	µg/m^3
PM10 maximum concentration	39.39	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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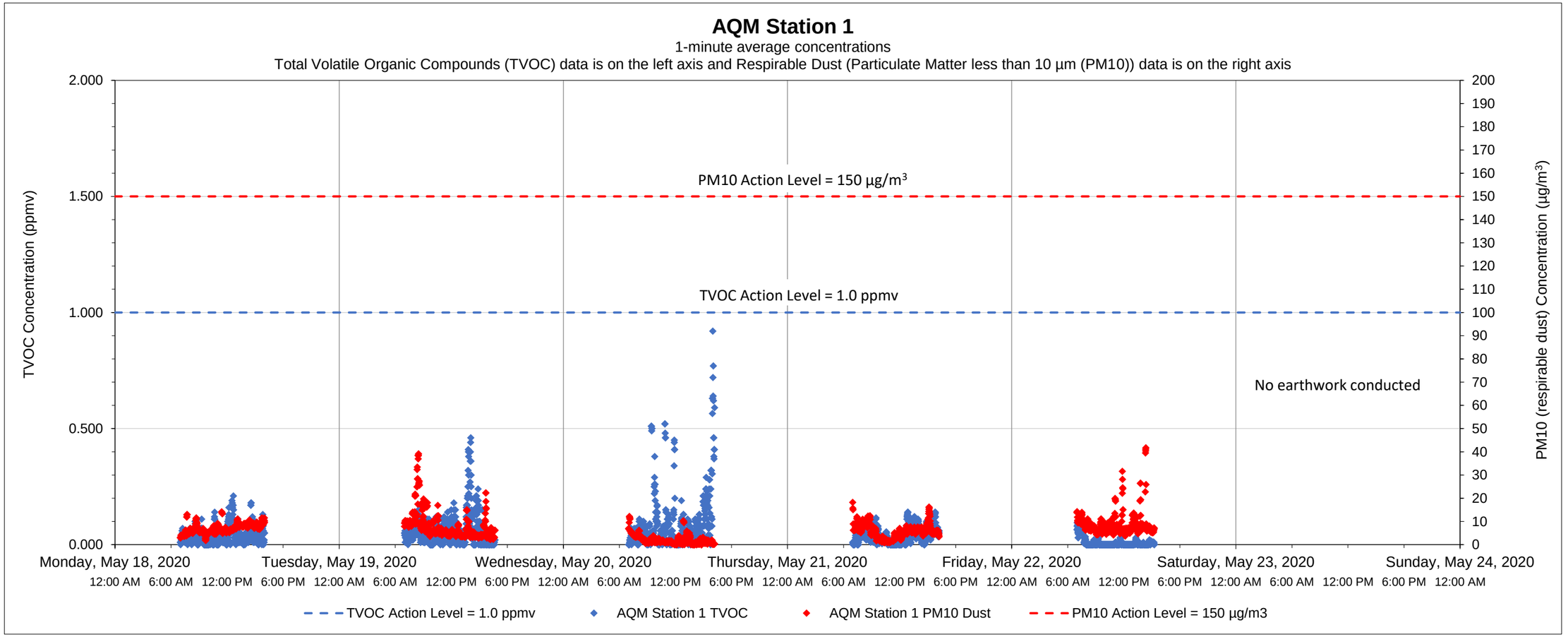

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.92	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.96	µg/m^3
PM10 maximum concentration	41.72	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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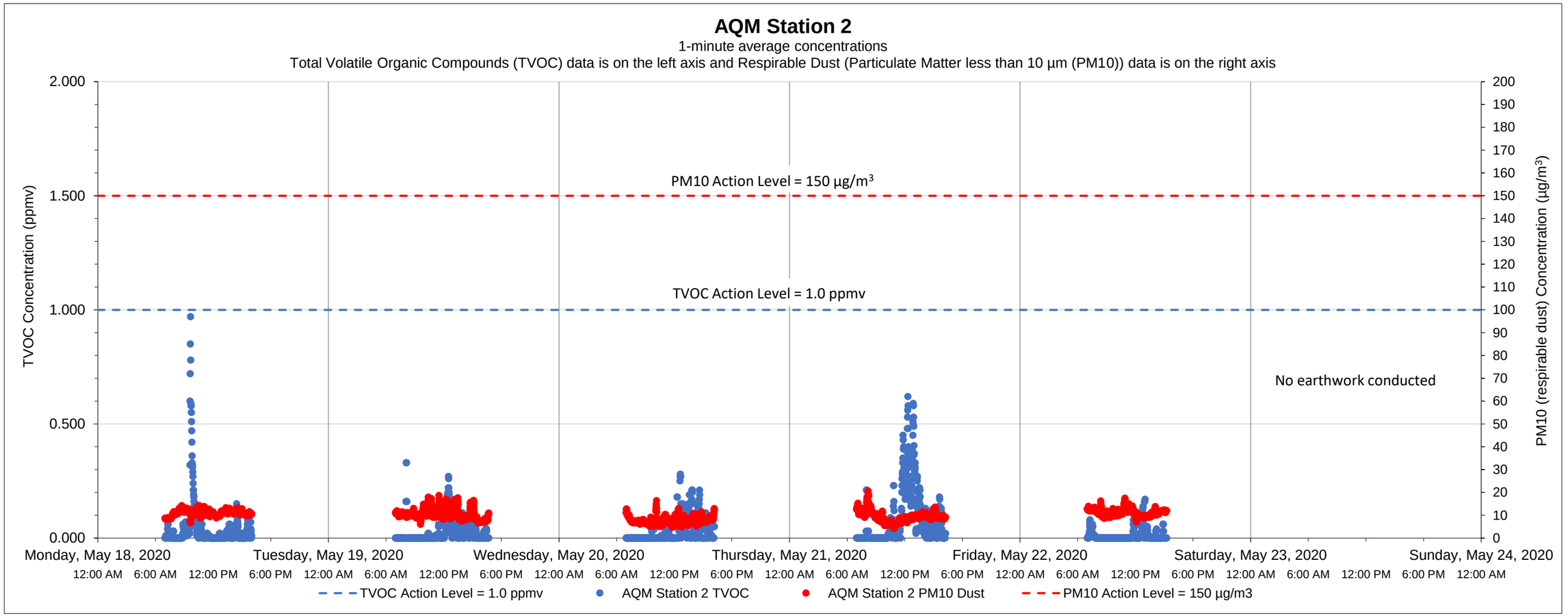

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.97	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.93	µg/m^3
PM10 maximum concentration	20.57	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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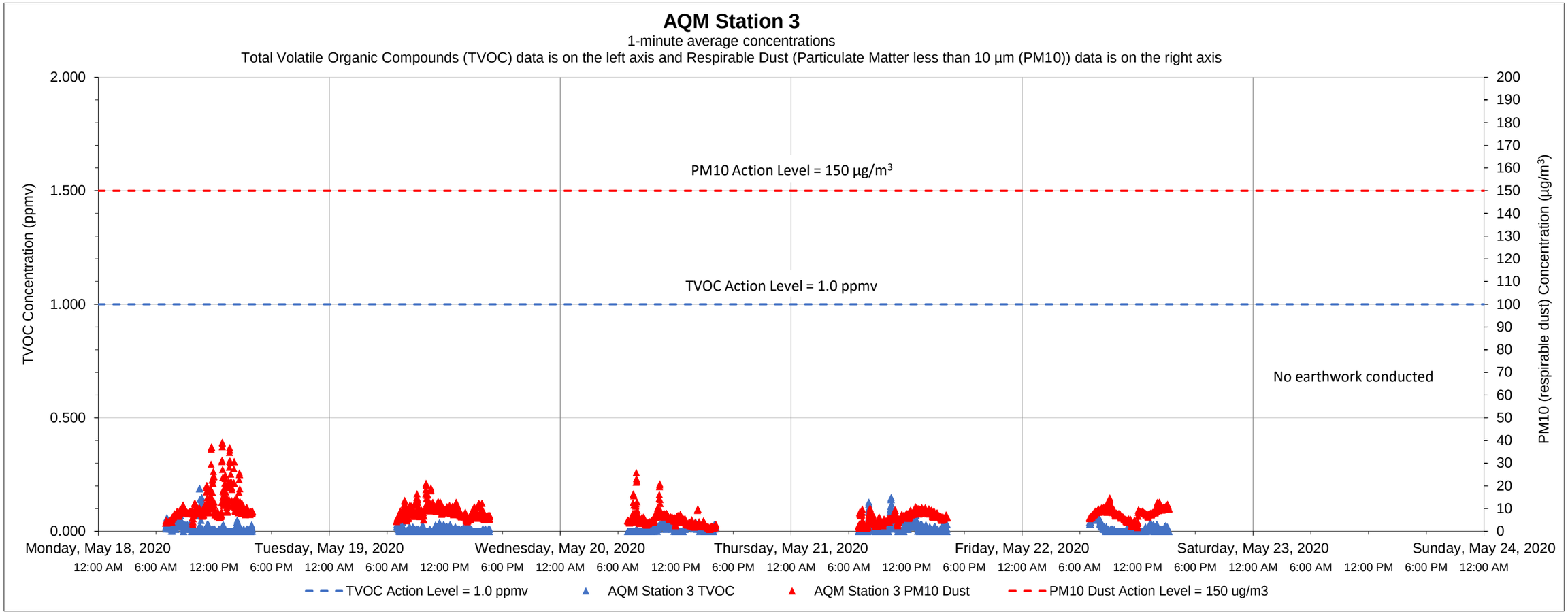

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.79	µg/m^3
PM10 maximum concentration	39.22	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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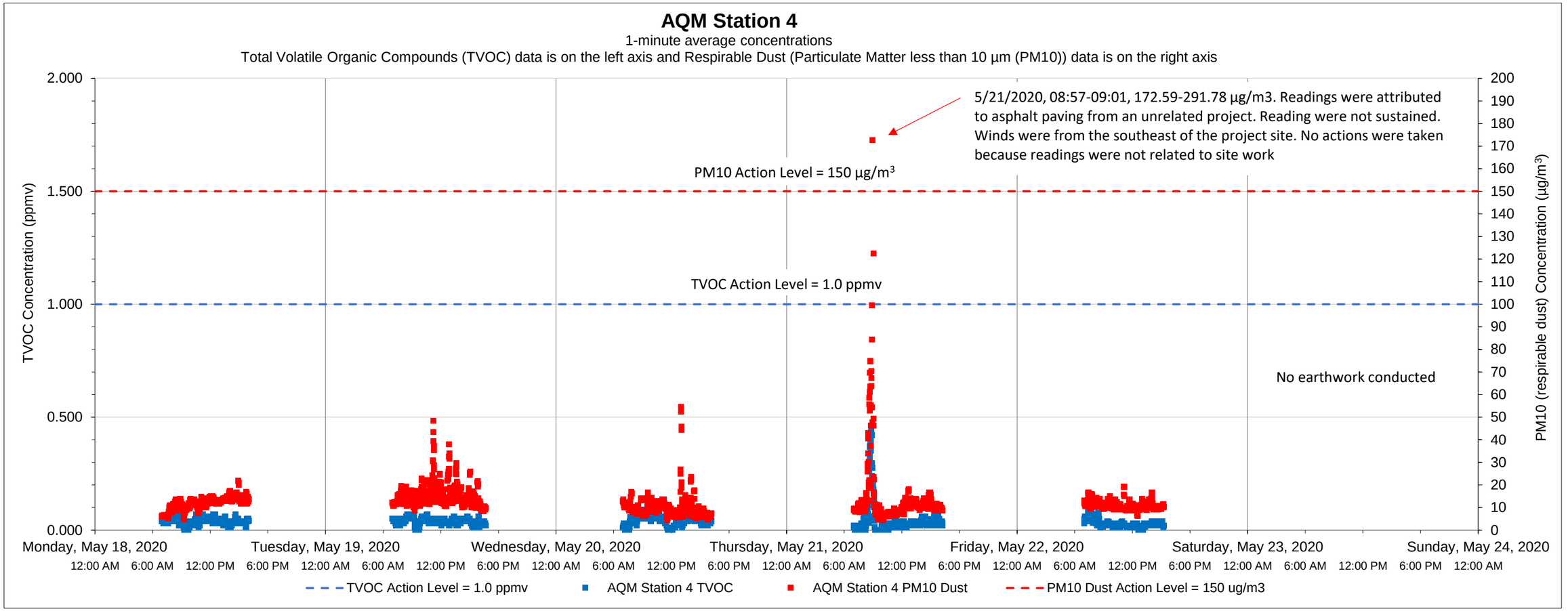

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.51	µg/m^3
PM10 maximum concentration	291.78	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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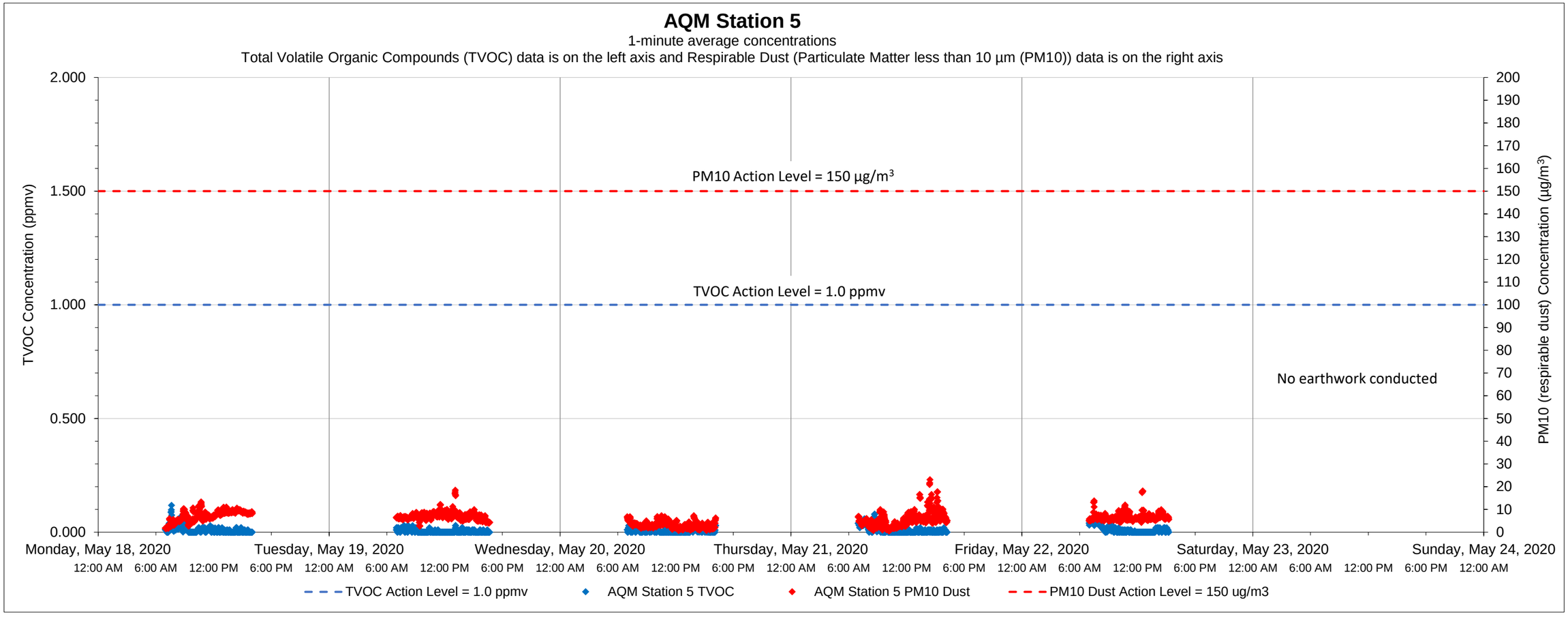

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.12	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.85	µg/m^3
PM10 maximum concentration	23.12	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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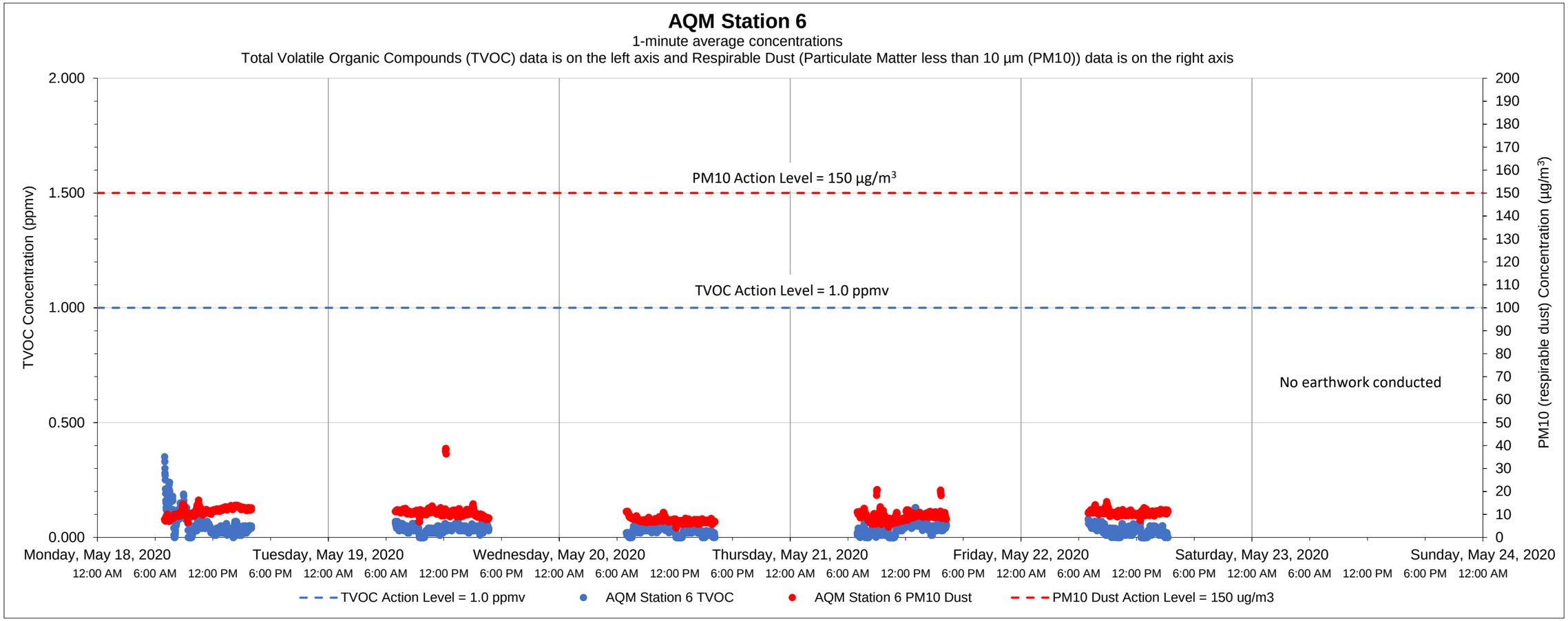

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.35	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.91	µg/m^3
PM10 maximum concentration	38.78	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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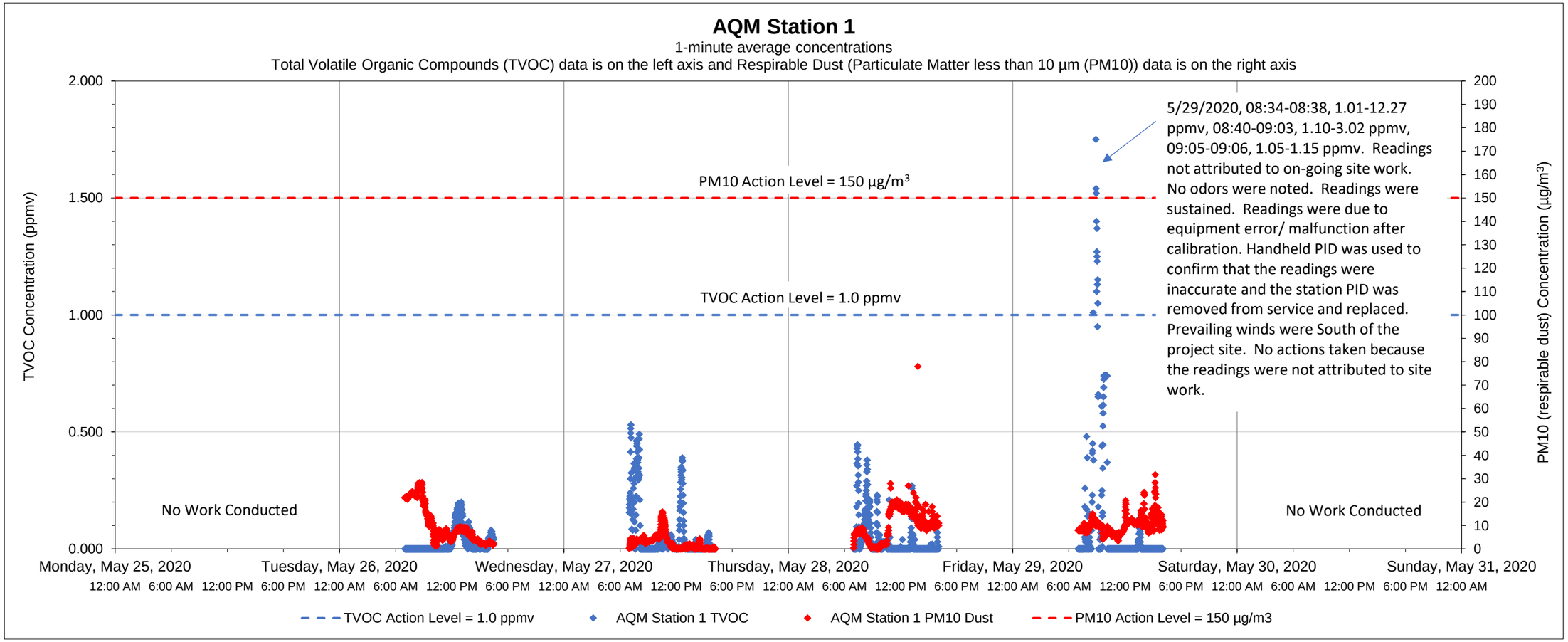

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
5/29/2020	08:40-09:03	TVOC	1.10 - 3.02 ppmv	No actions, readings not attributed to site work.

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	12.27	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.21	µg/m^3
PM10 maximum concentration	78.00	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
Station 1 PID experienced malfunctioning after calibration on 5/29/2020.

Notes:
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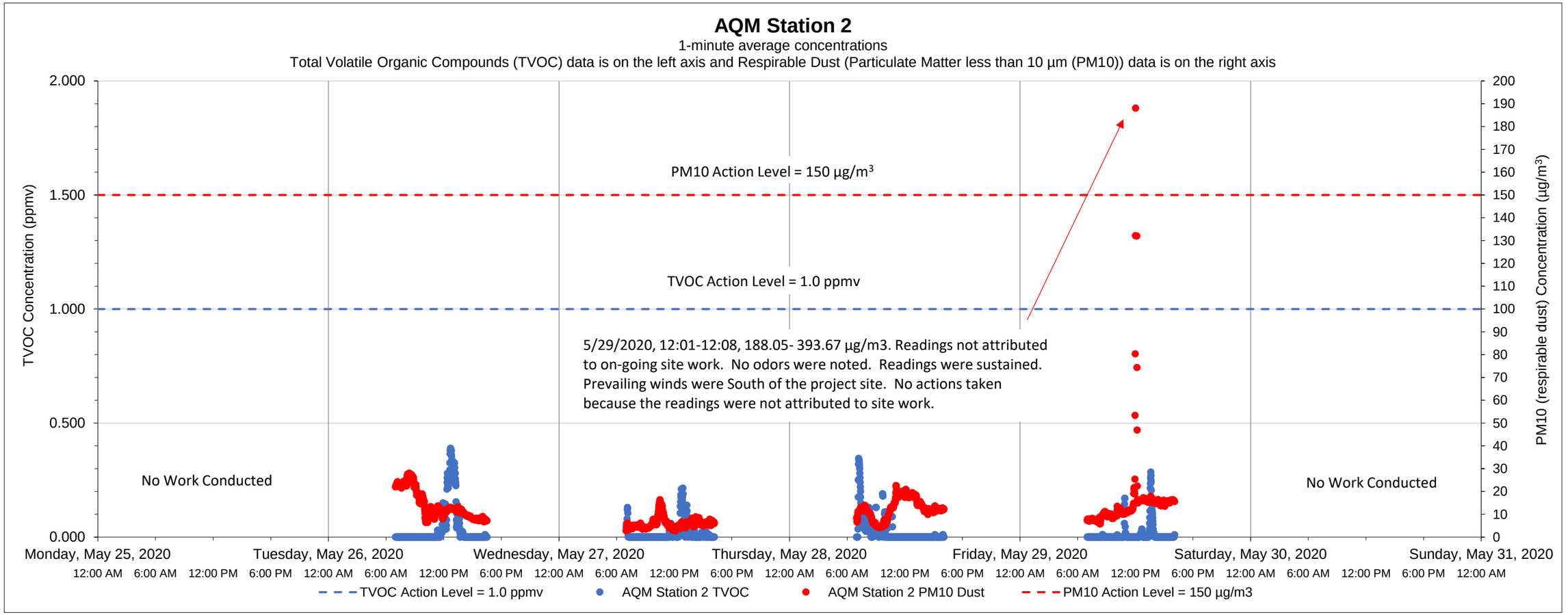

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None	12:01-12:08	Dust	188.05-393.67 µg/m3	No actions, readings not attributed to site work.

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.39	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.45	µg/m^3
PM10 maximum concentration	393.67	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes

Notes:

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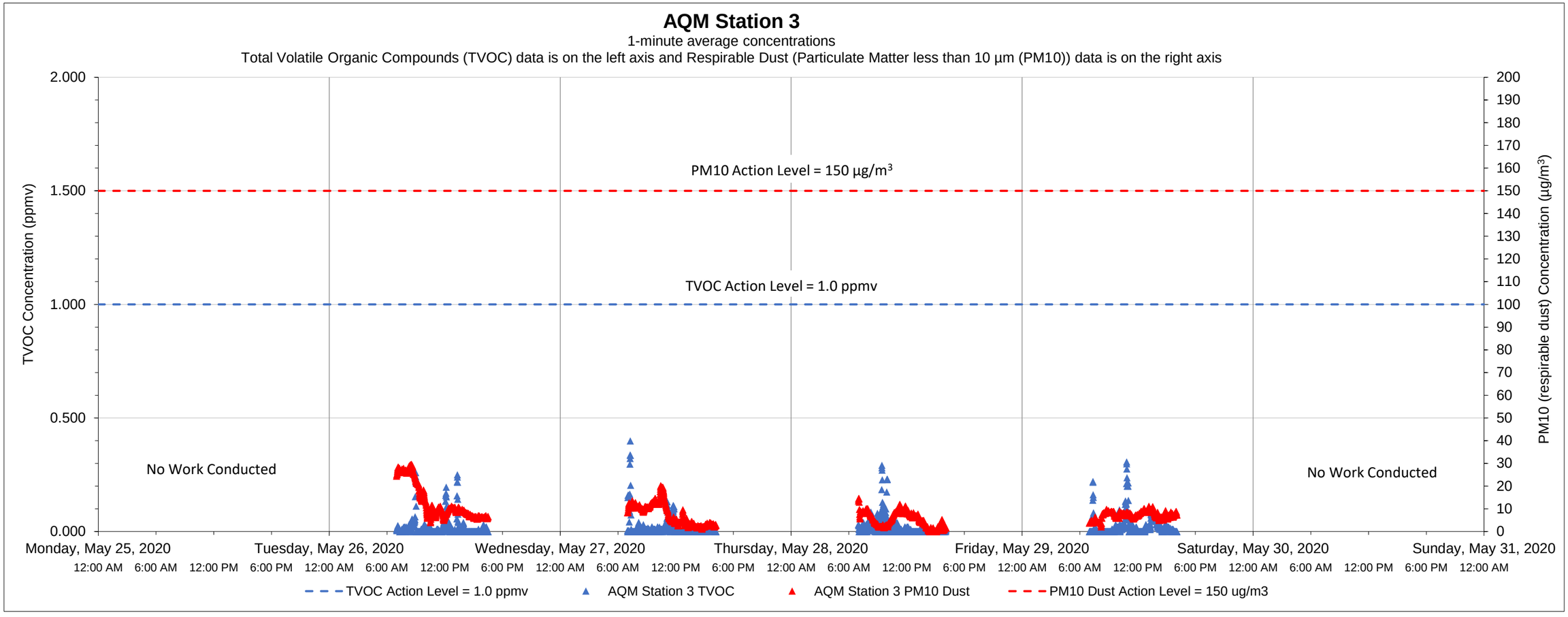

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.32	µg/m^3
PM10 maximum concentration	29.63	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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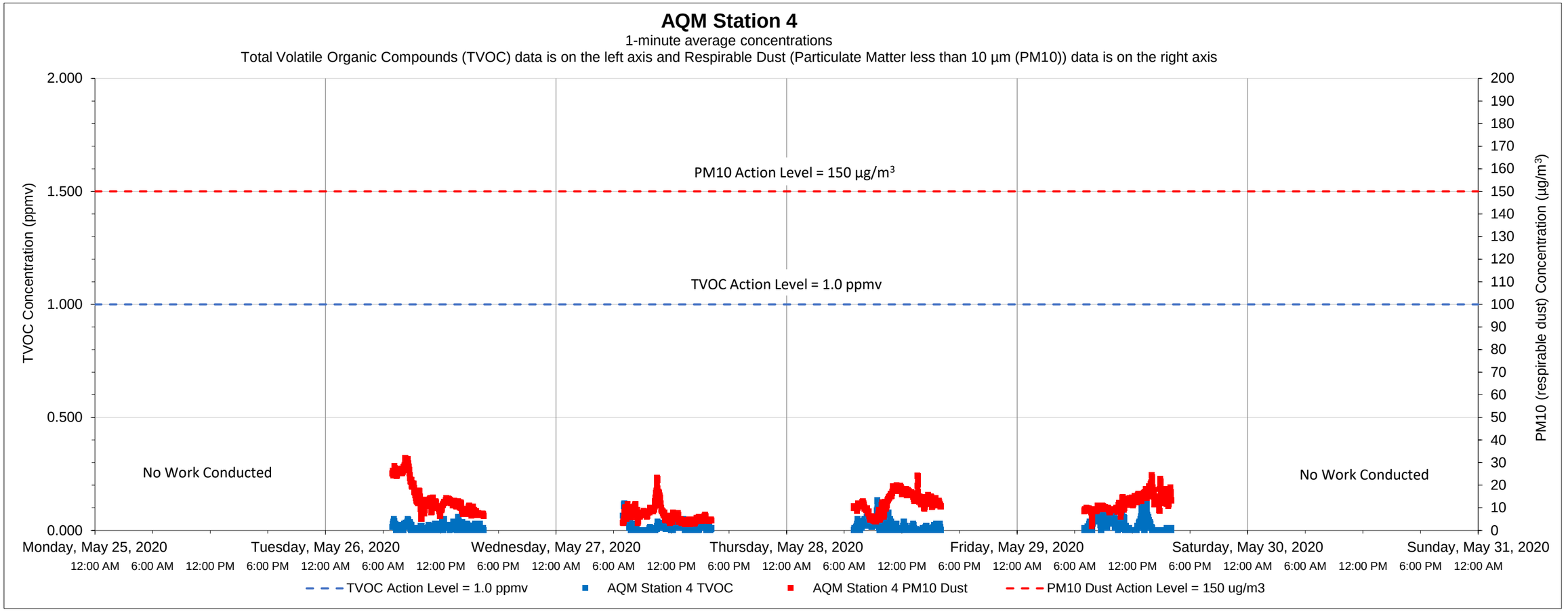

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.16	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.47	µg/m^3
PM10 maximum concentration	32.14	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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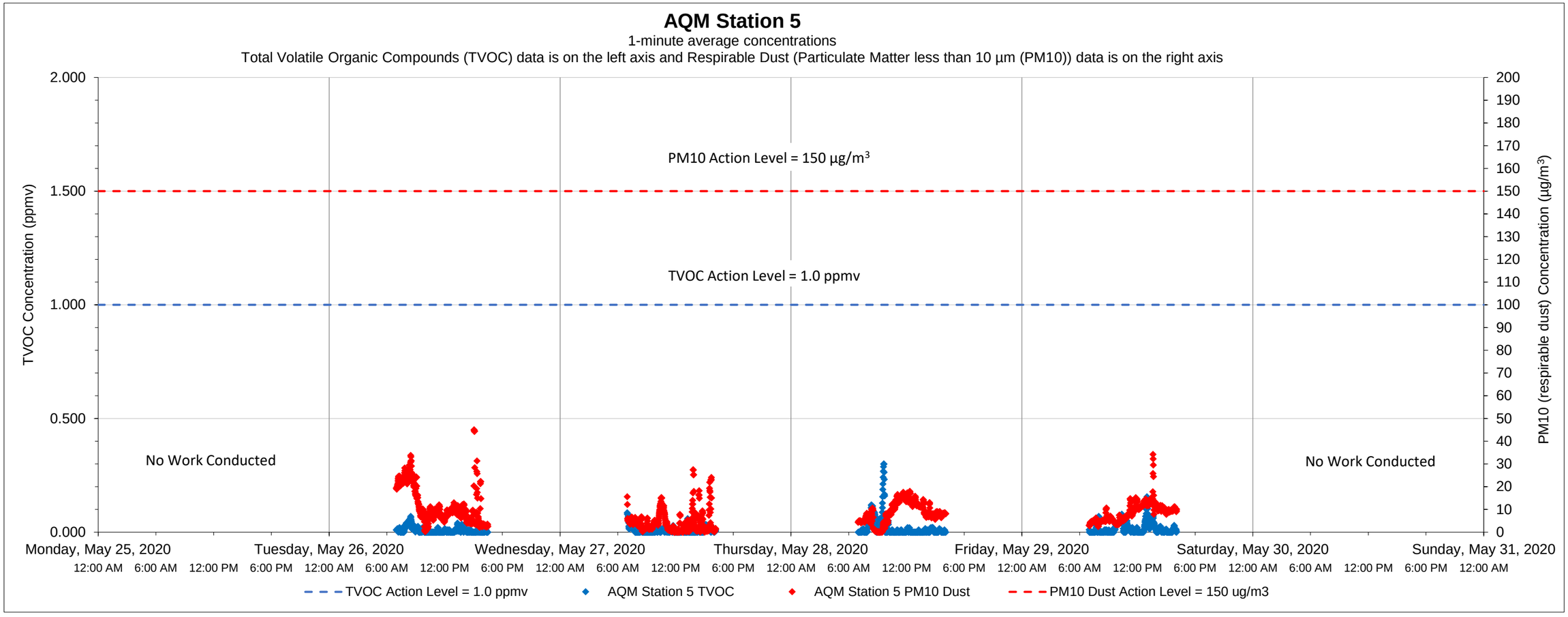

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.19	µg/m^3
PM10 maximum concentration	45.05	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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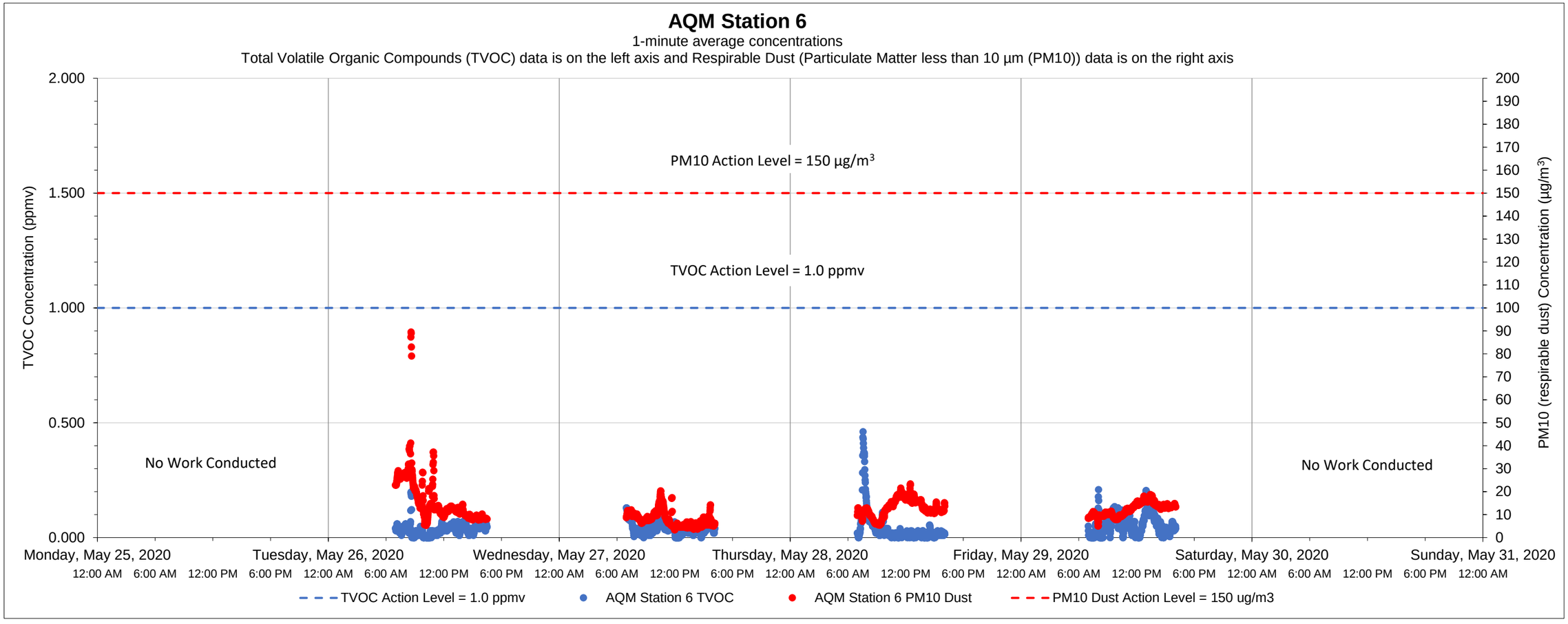

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.24	µg/m^3
PM10 maximum concentration	89.52	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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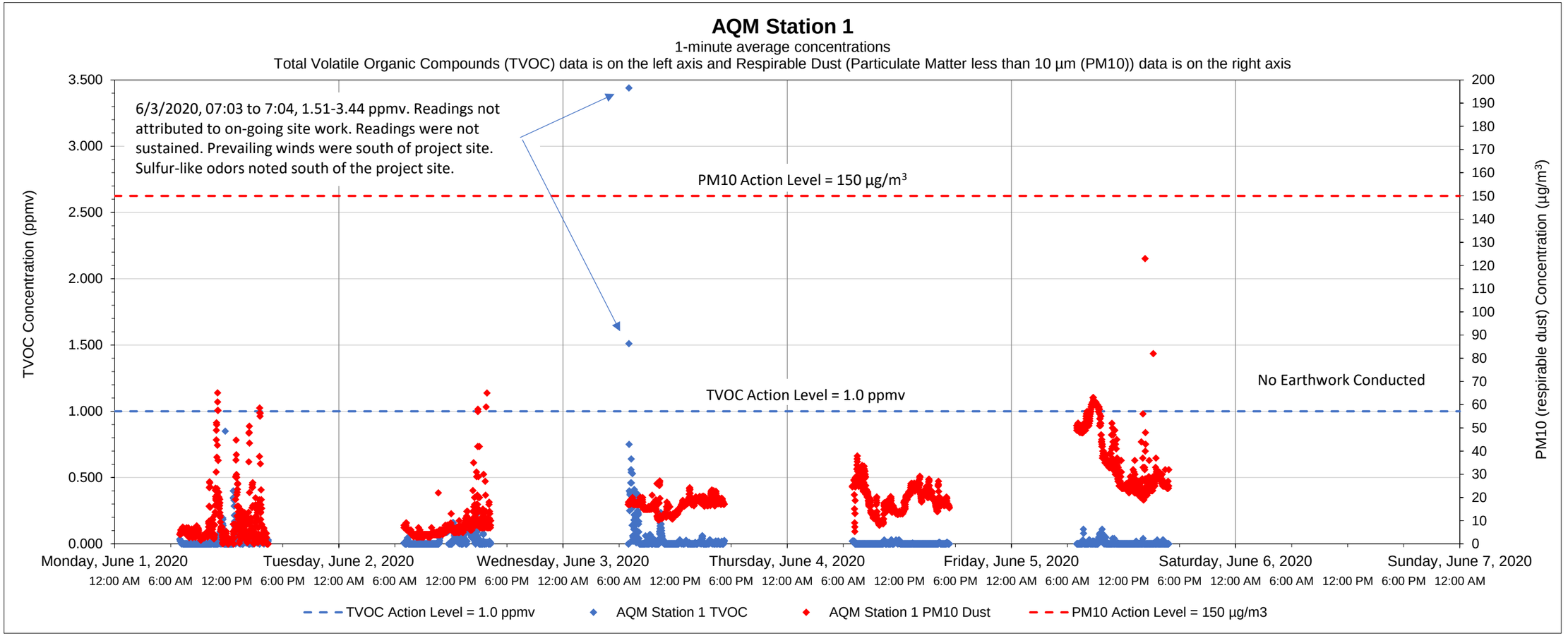

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	3.44	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.63	µg/m^3
PM10 maximum concentration	123.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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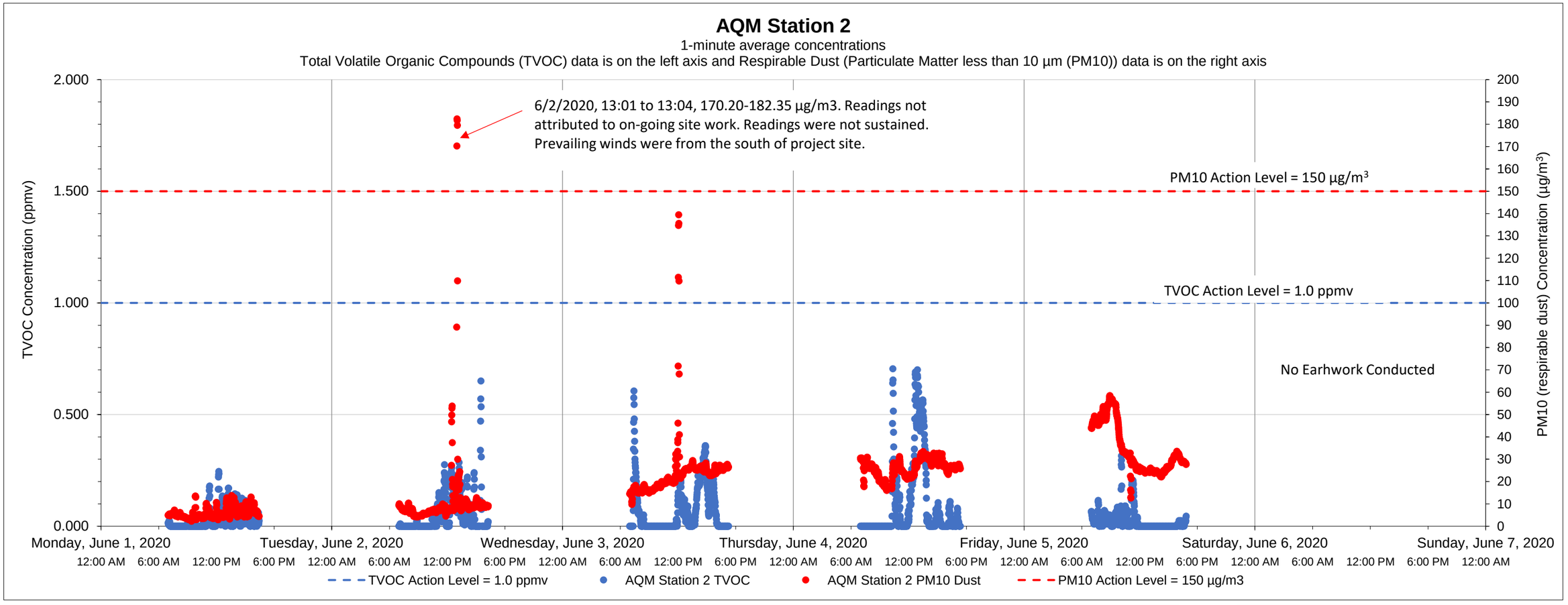
06/08/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.05	µg/m^3
PM10 maximum concentration	182.35	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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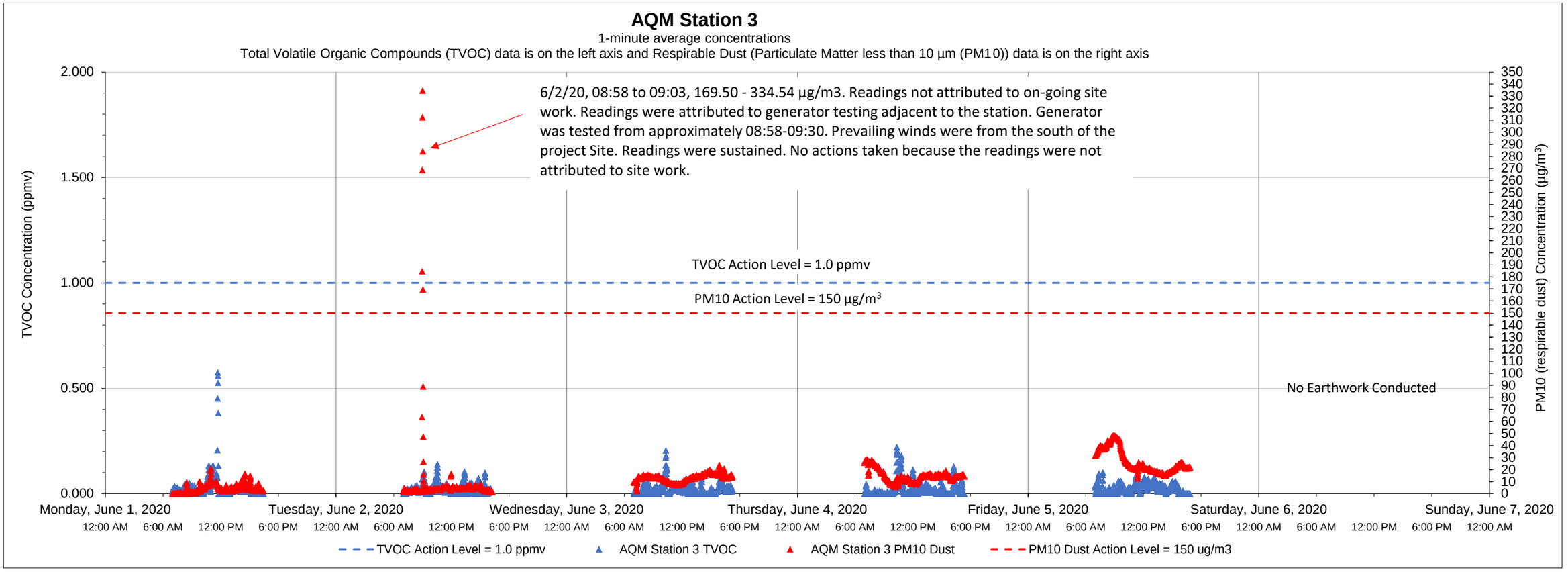
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
06/08/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
6/2/2020	08:58-09:03	Dust	169.50- 334.54 µg/m3	No actions taken because the readings were not attributed to site work.

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.58	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.40	µg/m^3
PM10 maximum concentration	334.54	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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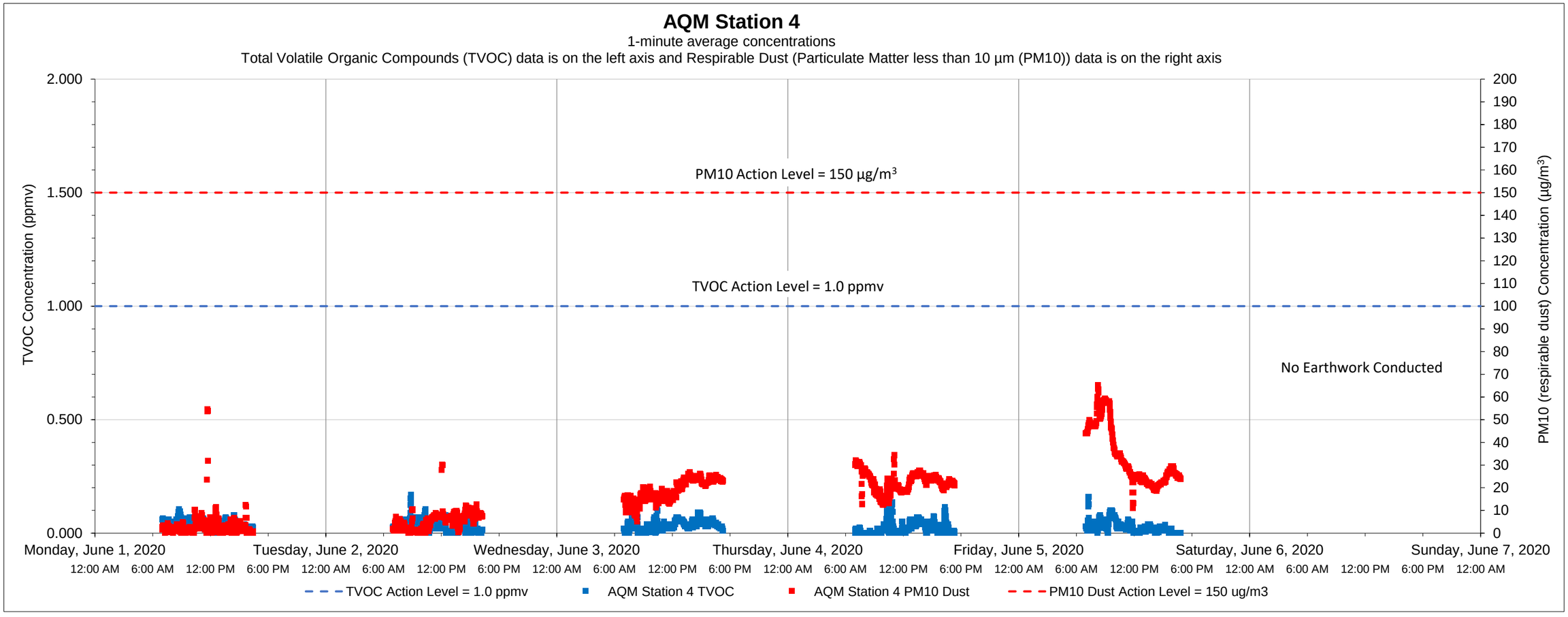

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.17	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.88	µg/m^3
PM10 maximum concentration	65.26	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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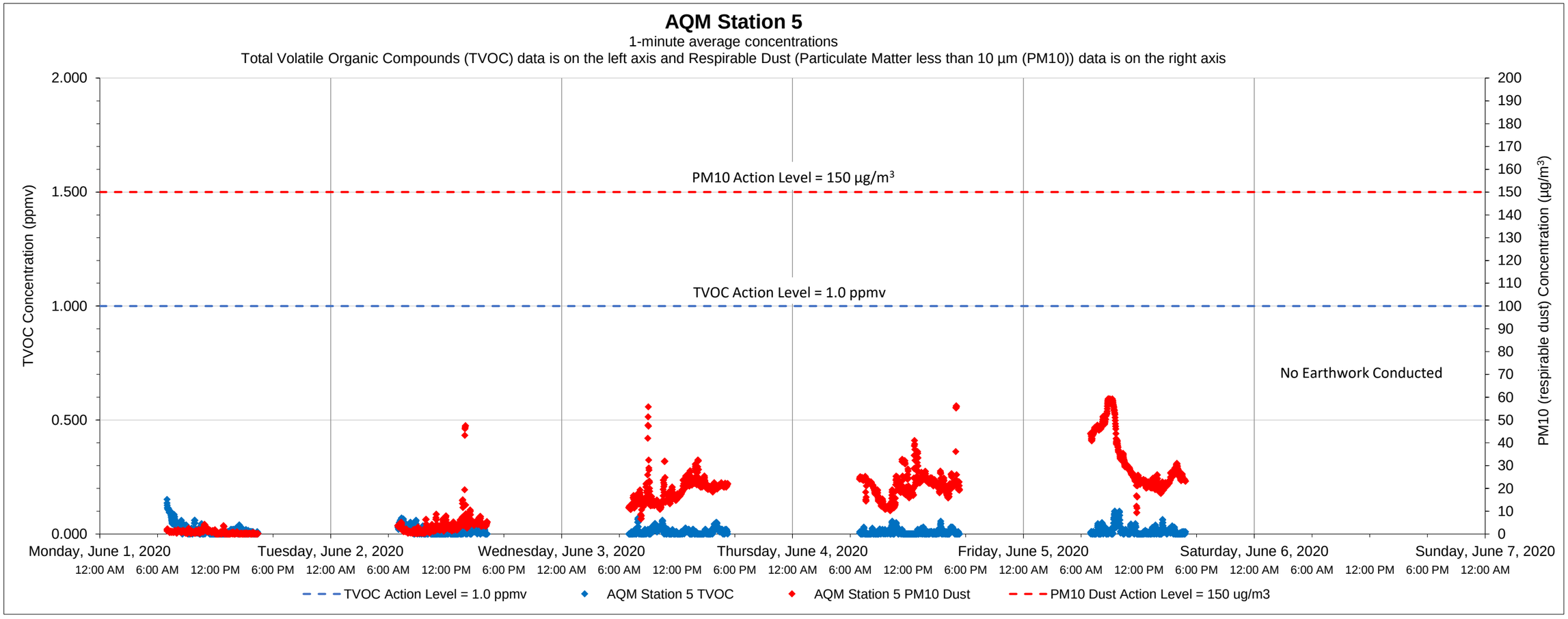

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.15	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.53	µg/m^3
PM10 maximum concentration	59.38	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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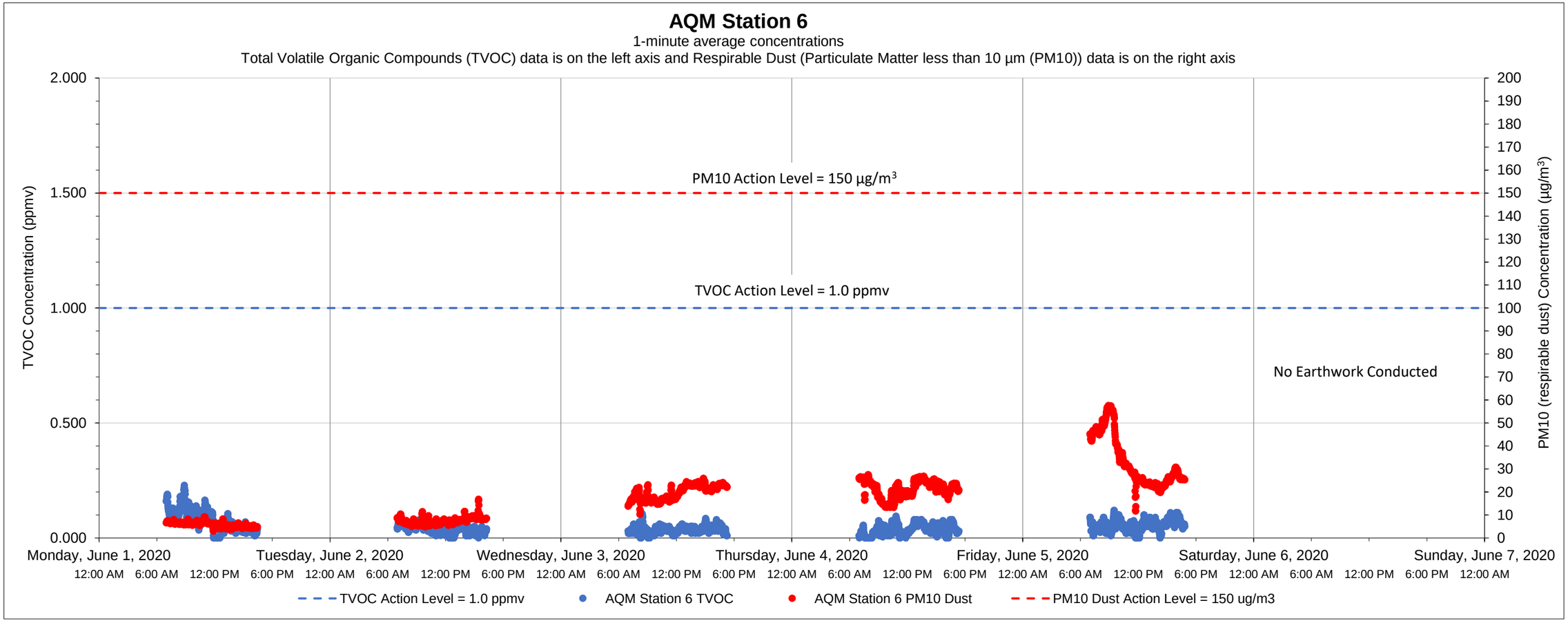

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.23	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.72	µg/m^3
PM10 maximum concentration	57.58	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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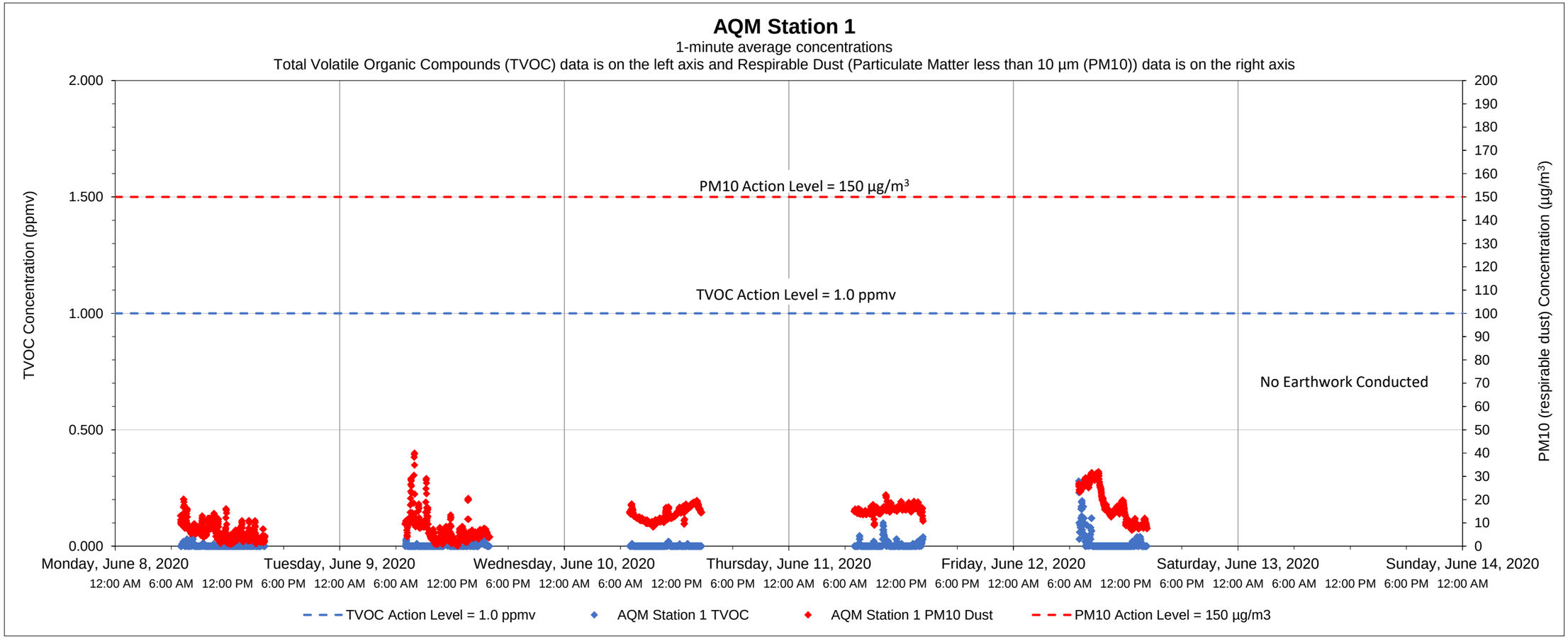

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.28	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.51	µg/m^3
PM10 maximum concentration	39.95	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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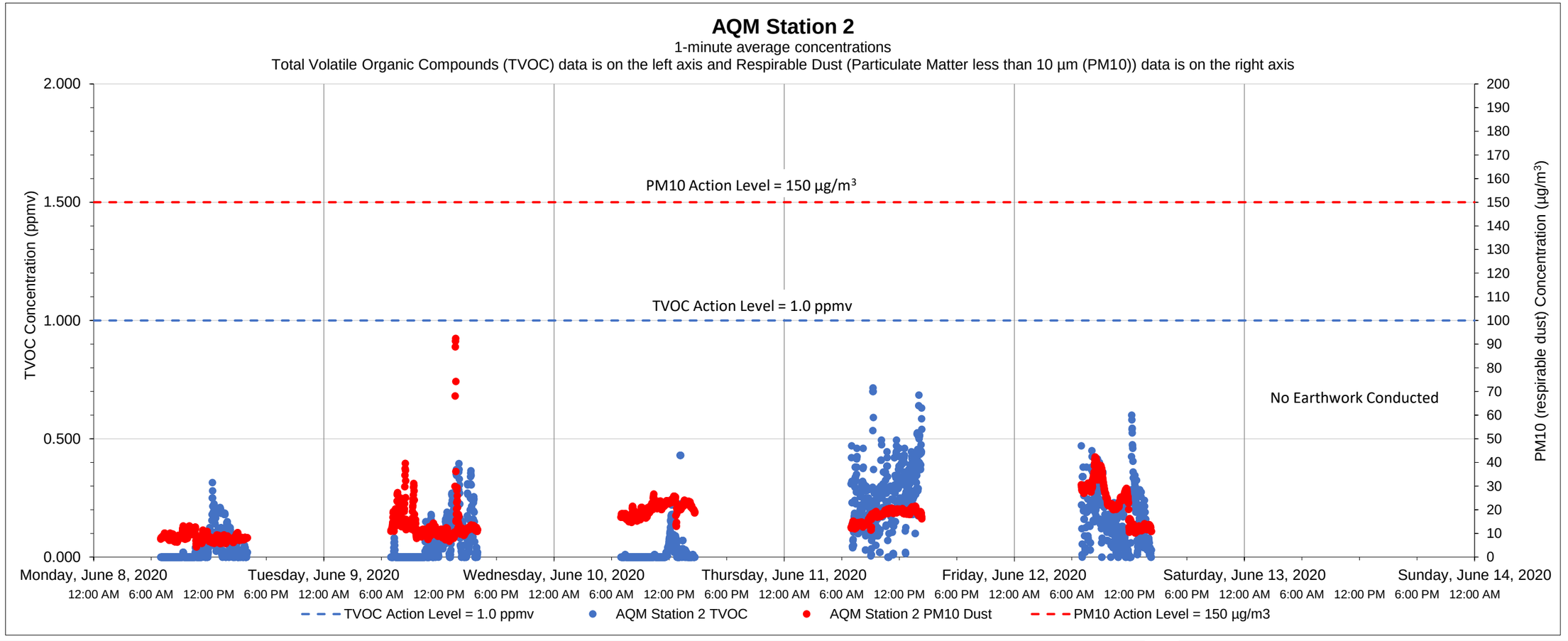

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.10	ppm
TVOCs maximum concentration	0.71	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.06	µg/m^3
PM10 maximum concentration	92.43	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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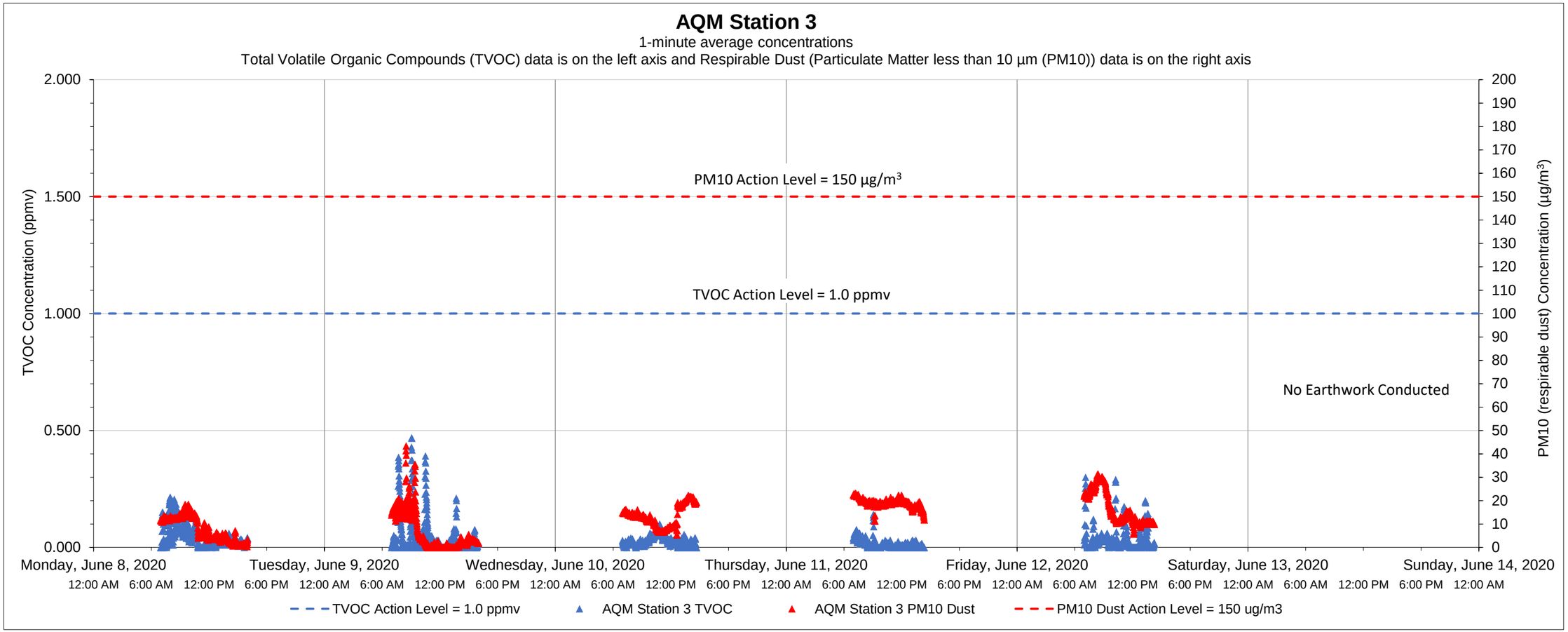

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.47	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.17	µg/m^3
PM10 maximum concentration	43.37	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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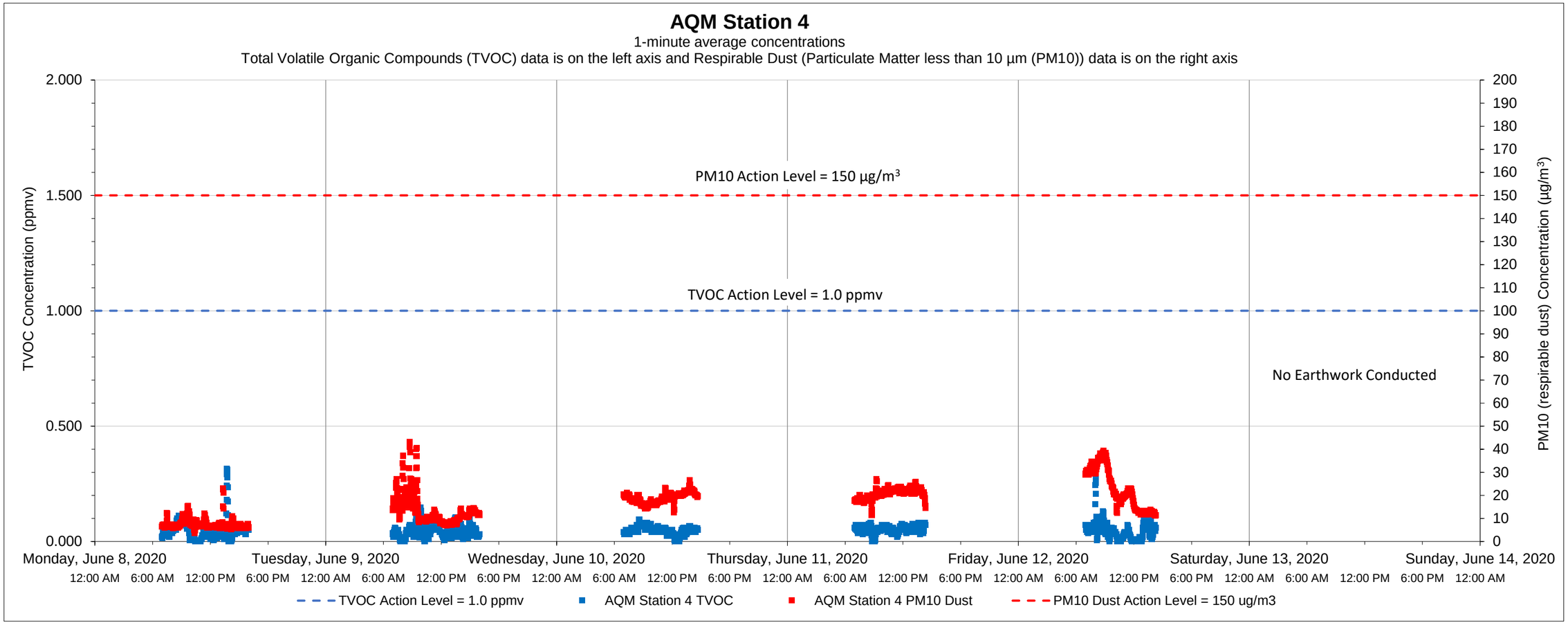

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.90	µg/m^3
PM10 maximum concentration	43.02	µg/m^3
PM10 action level	150	µg/m^3

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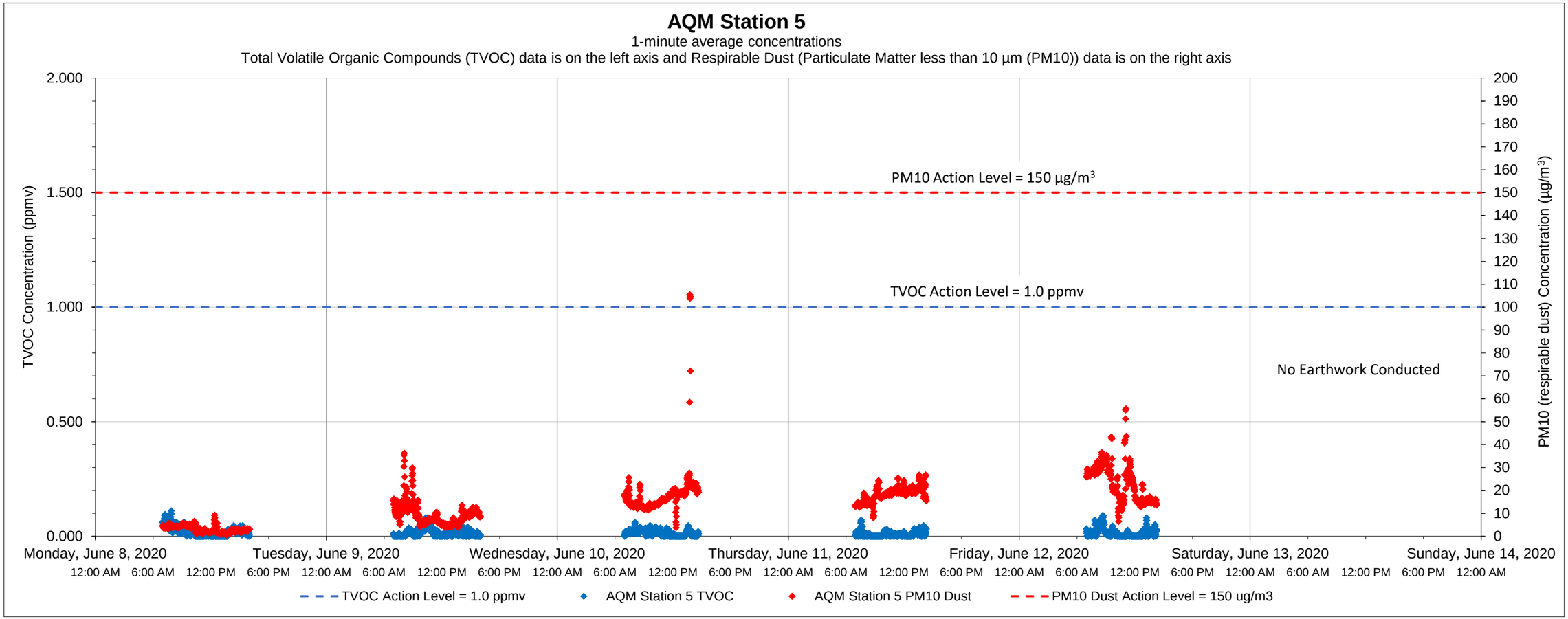

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.11	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.52	µg/m^3
PM10 maximum concentration	105.43	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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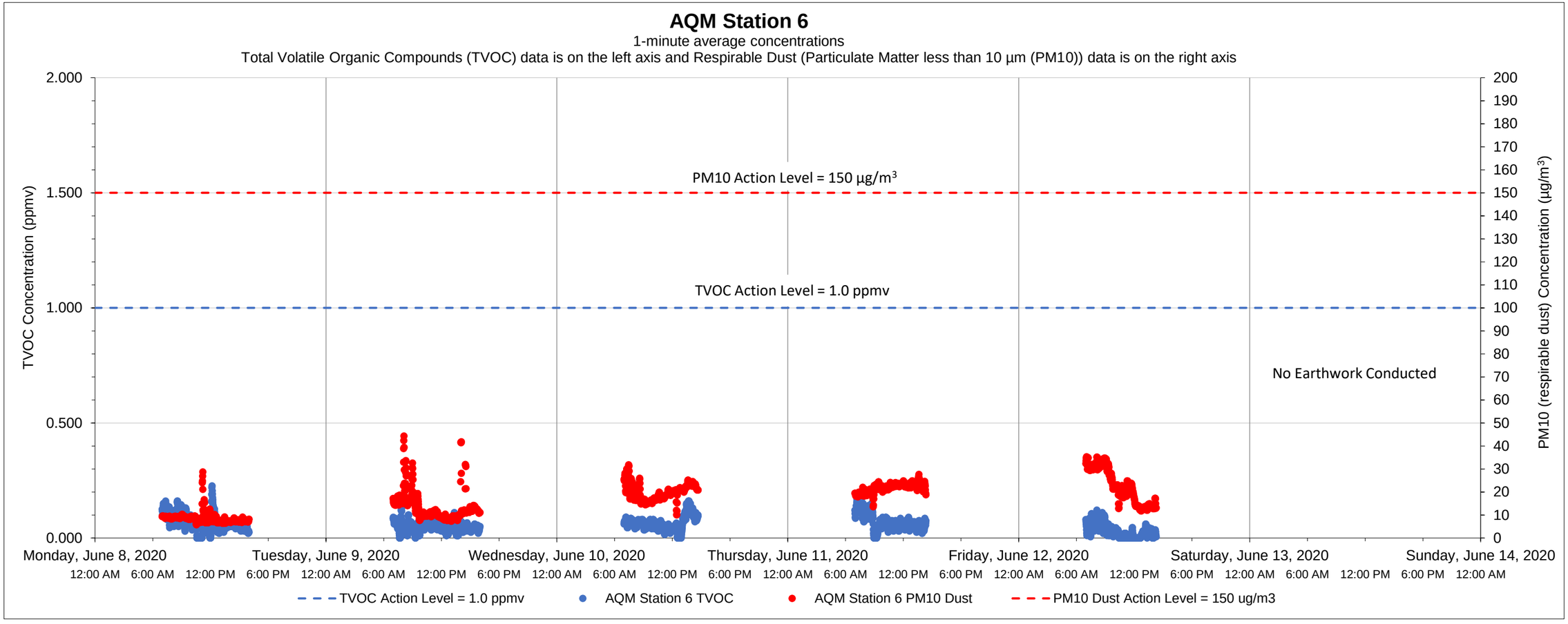

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.23	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.49	µg/m^3
PM10 maximum concentration	44.27	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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TRANSMITTAL

GZA GeoEnvironmental, Inc.
188 Valley Street, Suite 300
Providence, Rhode Island 02909
401.421.4140 (fax) 401.751.8613

Date: 6/22/2020	**Job No.** 03.0033554.04
Attention: Mr. Joseph Martella	

To:	Rhode Island Department of Environmental Management
	Office of Land Revitalization and Sustainable Materials
	Management
	235 Promenade Street
	Providence, Rhode Island 02908

Re: Liquefaction Facility Project
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road/ 642 Allens Avenue
Providence, Rhode Island
Site Remediation File No. SR-28-1152

We are sending you:

[ ]	Shop Drawings	[X]	Attached	[ ]	Change Order	[ ]	Samples
[ ]	Copy of Letter	[ ]	Prints	[ ]	Plans	[ ]	Specifications
[ ]	Under Separate Cover, the following Items:			via:			

How Shipped:

[X]	Via Email	[ ]	Courier	[ ]	Regular Mail	[ ]	Hand Delivered/Picked Up

Description
Air Quality Monitoring (AQM) Results – Week of 6/15/2020 (6/15/2020, 6/16/2020, 6/17/2020, 6/18/2020 and 6/19/2020) AQM Station/ 1 Graph AQM Station 4 Graph AQM Station 2 Graph AQM Station 5 Graph AQM Station 3 Graph AQM Station 6 Graph Summary Figure

THESE ARE TRANSMITTED as Checked Below:

[ ]	For Approval	[ ]	Approved as Submitted	[ ]	Resubmit Copies for Approval
[X]	For Your Use	[ ]	Approved as Noted	[ ]	Submit Copies for Distribution
[ ]	As Requested	[ ]	Returned for Corrections	[ ]	Return Corrected Prints
[ ]	For Review and Comment	[ ]		[ ]	PRINTS RETURNED AFTER LOAN TO US
[ ]	FOR BIDS DUE:				

Comments:

Copy To:	Amy Willoughby - National Grid LNG LLC	**Signed:**	Sara Haupt, P.E.
	William Howard - National Grid LNG LLC		Assistant Project Manager

If enclosures are not as noted, kindly notify us at once.

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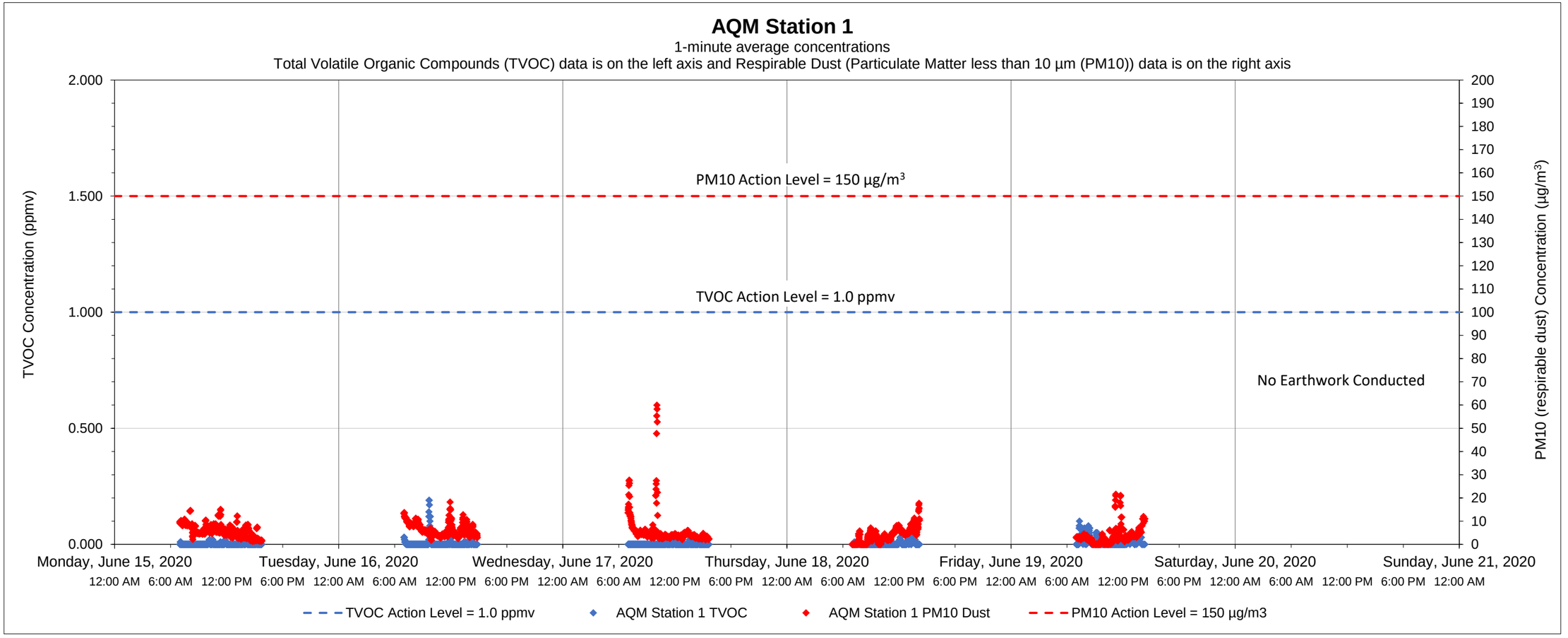

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.91	µg/m^3
PM10 maximum concentration	59.94	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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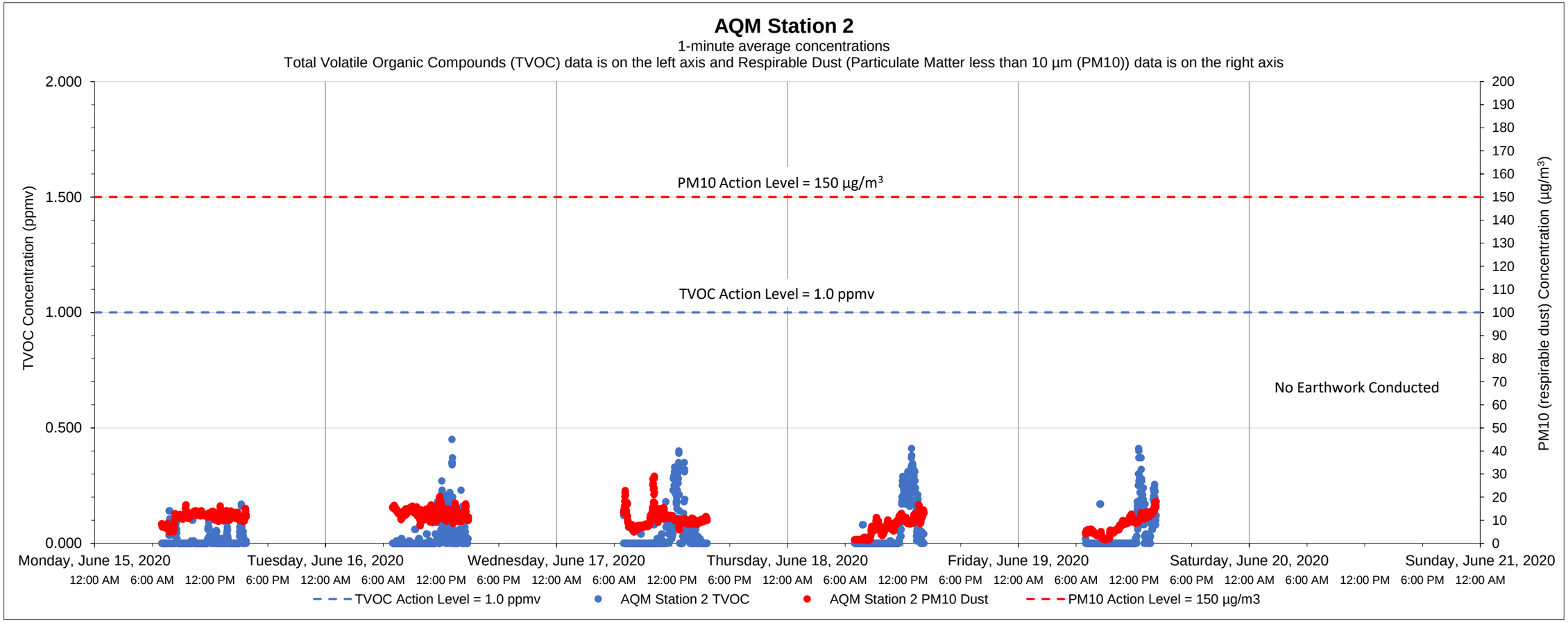

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.45	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.93	µg/m^3
PM10 maximum concentration	29.02	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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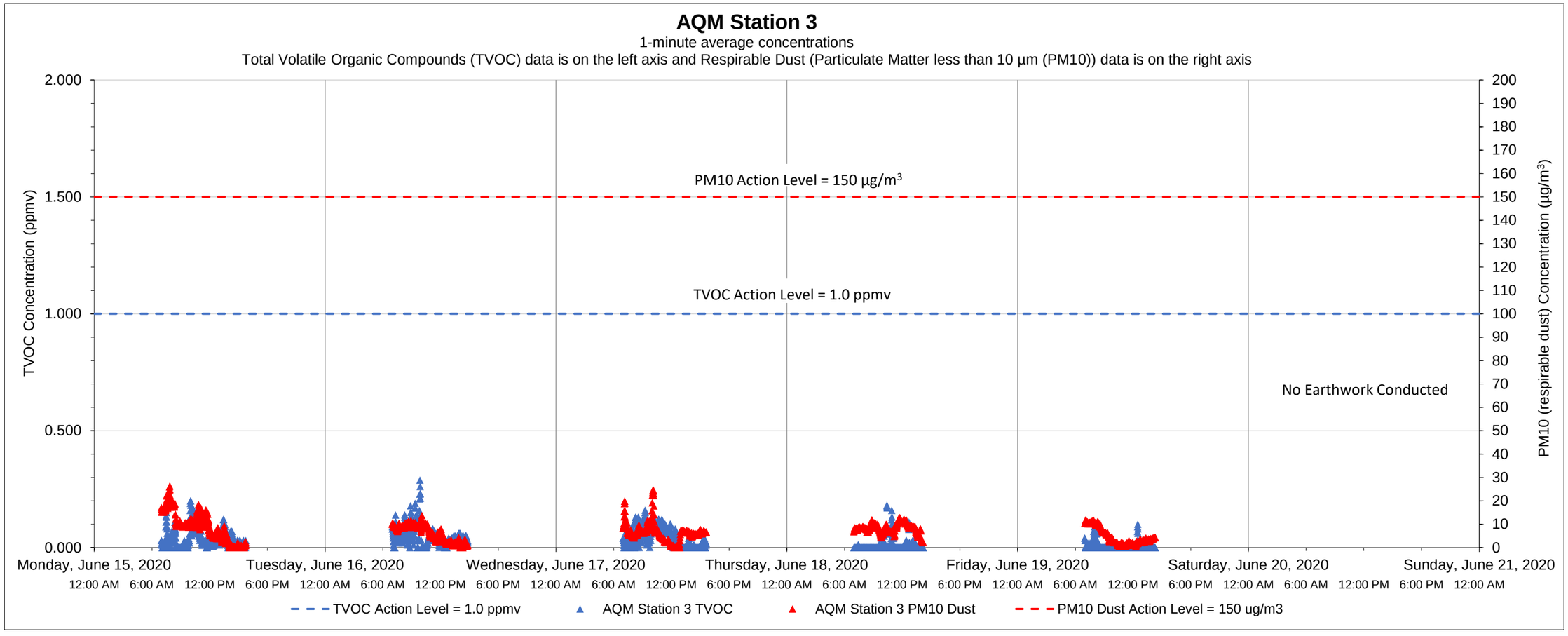

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.29	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.81	µg/m^3
PM10 maximum concentration	26.29	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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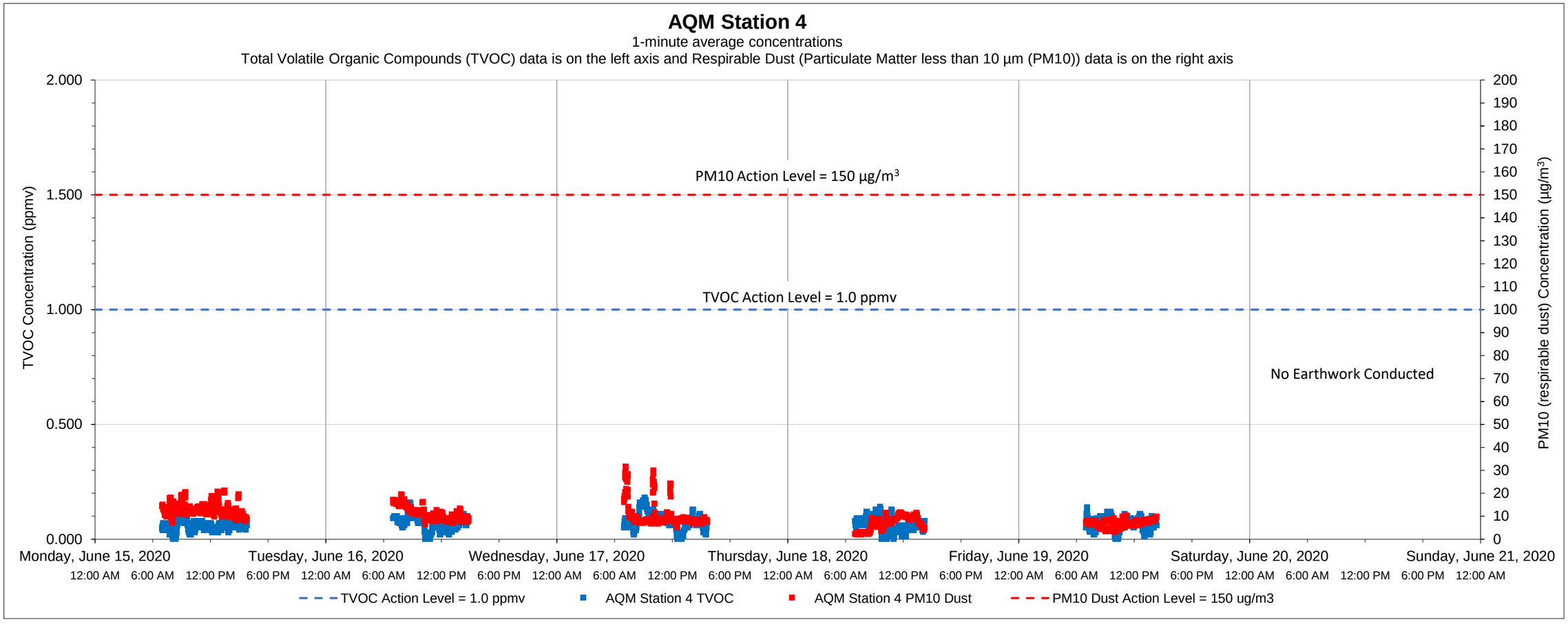

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.48	µg/m^3
PM10 maximum concentration	31.54	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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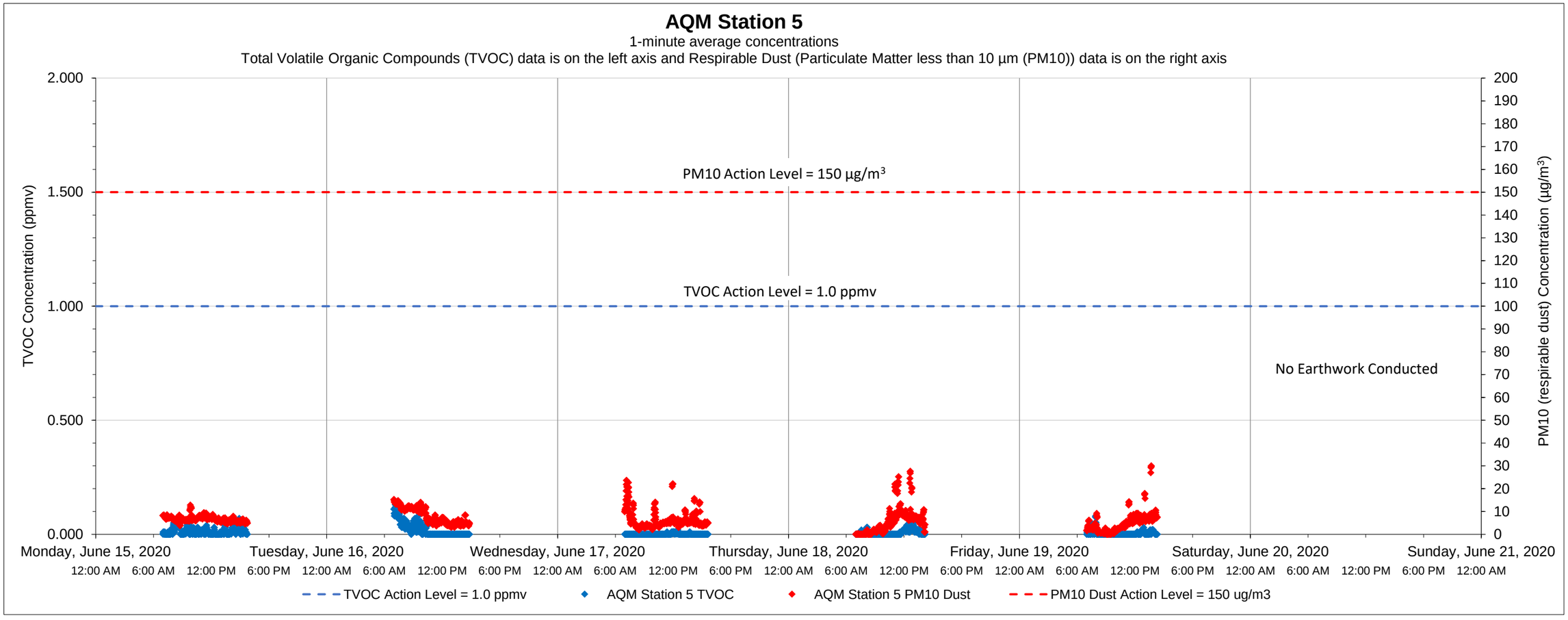

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.14	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.13	µg/m^3
PM10 maximum concentration	30.05	µg/m^3
PM10 action level	150	µg/m^3

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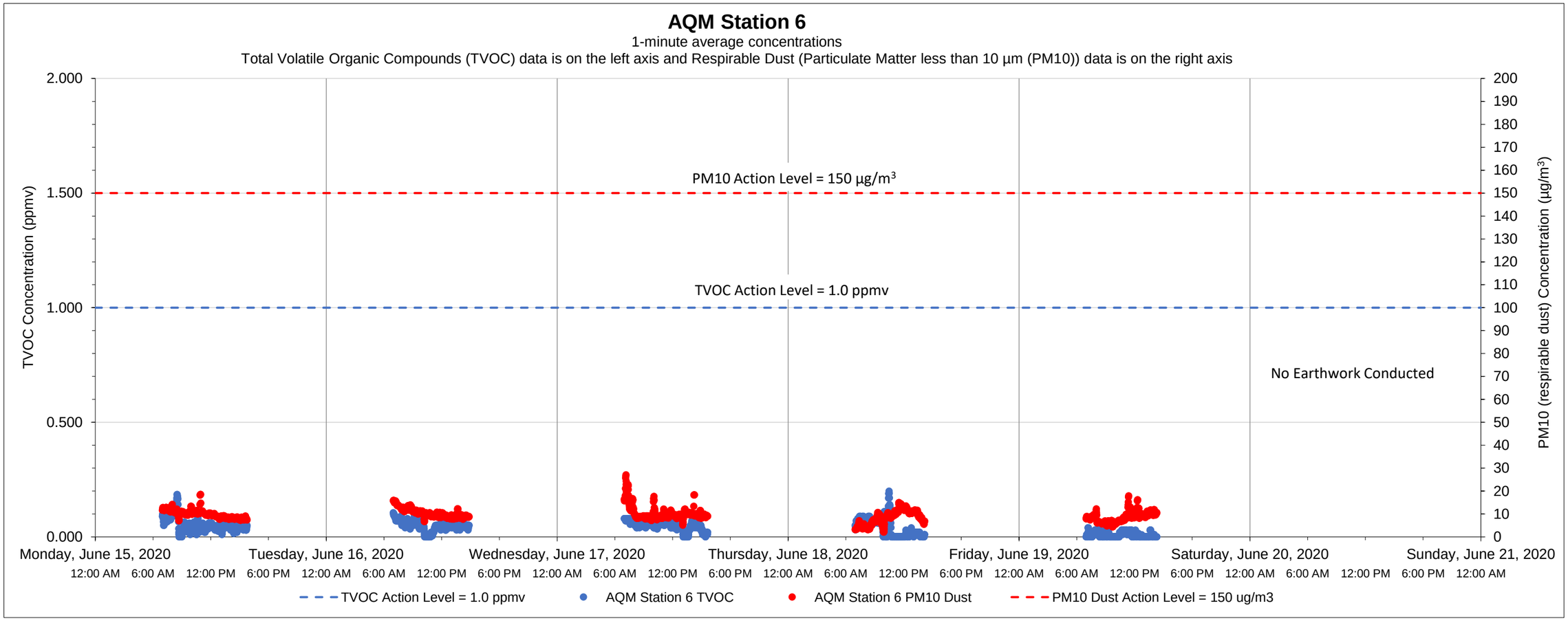
Prepared by GZA on behalf of National Grid LNG LLC
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
06/22/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.48	µg/m^3
PM10 maximum concentration	27.11	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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LEGEND:

- 642 ALLENS AVENUE FORMER MGP SITE
- PROJECT WORK SITE
- STRAP AREA (LIMITS OF GROUNDWATER AND SOIL DISTURBANCE)
- AIR QUALITY MONITORING (AQM) STATION

REFERENCE NOTES:

1. BASE MAP DEVELOPED FROM A GOOGLE PROFESSIONAL ELECTRONIC IMAGE FILE. DIGITAL AERIAL ORTHOPHOTOGRAPHY WAS PUBLISHED IN FEBRUARY 2018.
2. SITE BOUNDARIES ARE APPROXIMATE.
3. PERIMETER AIR MONITORING PROGRAM CONDUCTED AS DESCRIBED IN THE MAY 12, 2017 SHORT TERM RESPONSE ACTION PLAN (STRAP) AND OCTOBER 11, 2017 STRAP ADDENDUM, WHICH WERE APPROVED BY RIDEM WITH THE OCTOBER 27, 2017 STRAP APPROVAL.

N
W E
S

0 100' 200' 400'
SCALE IN FEET 1" = 200'

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NATIONAL GRID LIQUEFACTION FACILITY
PERIMETER AIR MONITORING PROGRAM
PROVIDENCE, RHODE ISLAND

Summary Figure
Week of 6-15-2020

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: nationalgrid	
PROJ MGR: SDN	REVIEWED BY: MSK	CHECKED BY: MSK	FIGURE 1
DESIGNED BY: SDN	DRAWN BY: LDT	SCALE: AS NOTED	
DATE: W/O 6-15-2020	PROJECT NO. 33554.04	REVISION NO. 0	SHEET NO.

2018 – GZA GeoEnvironmental, Inc. GZA–J:\ENV\33554.60.MSK\FIGURES\CAD\DWGS\33554.60_11X17 AERIAL.DWG ANSI B – 17X11 DECEMBER 19, 2018 LISA THERIAULT

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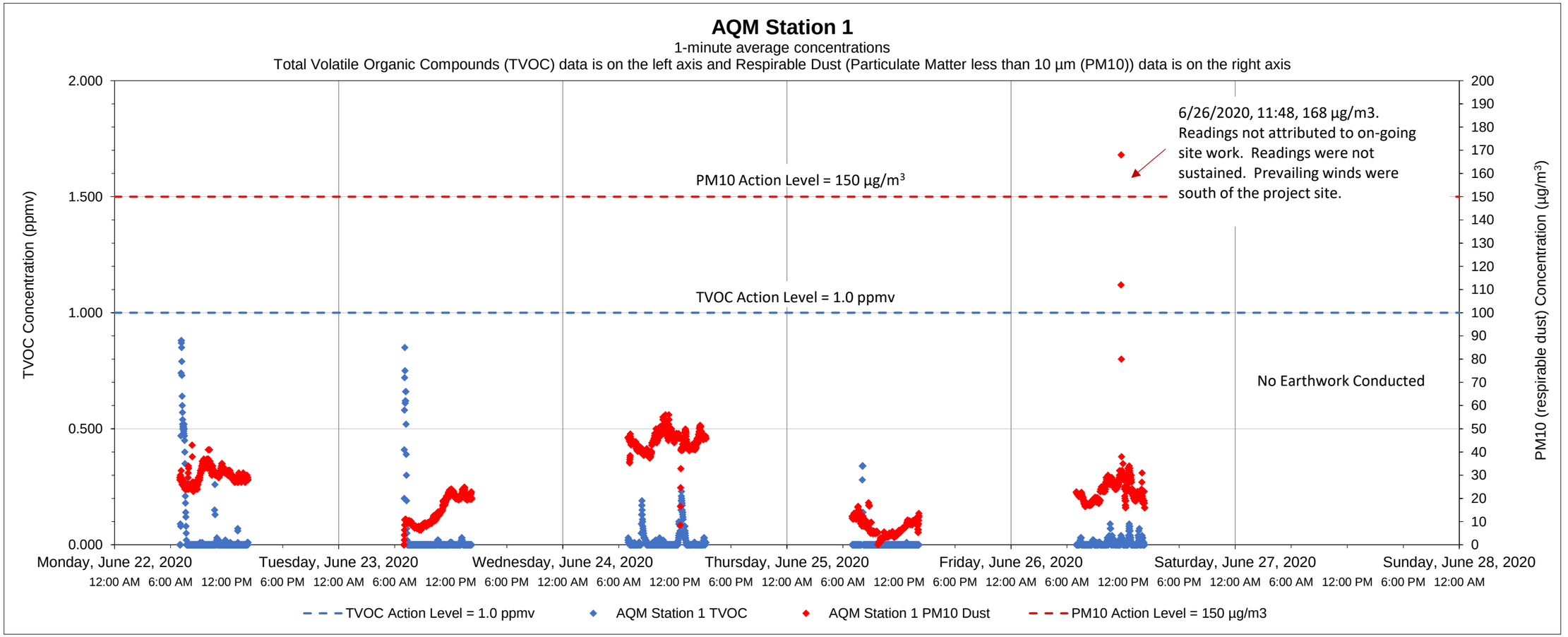
06/29/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.88	ppm
TVOCs action level	1	ppm
PM10 average concentration	24.62	µg/m^3
PM10 maximum concentration	168.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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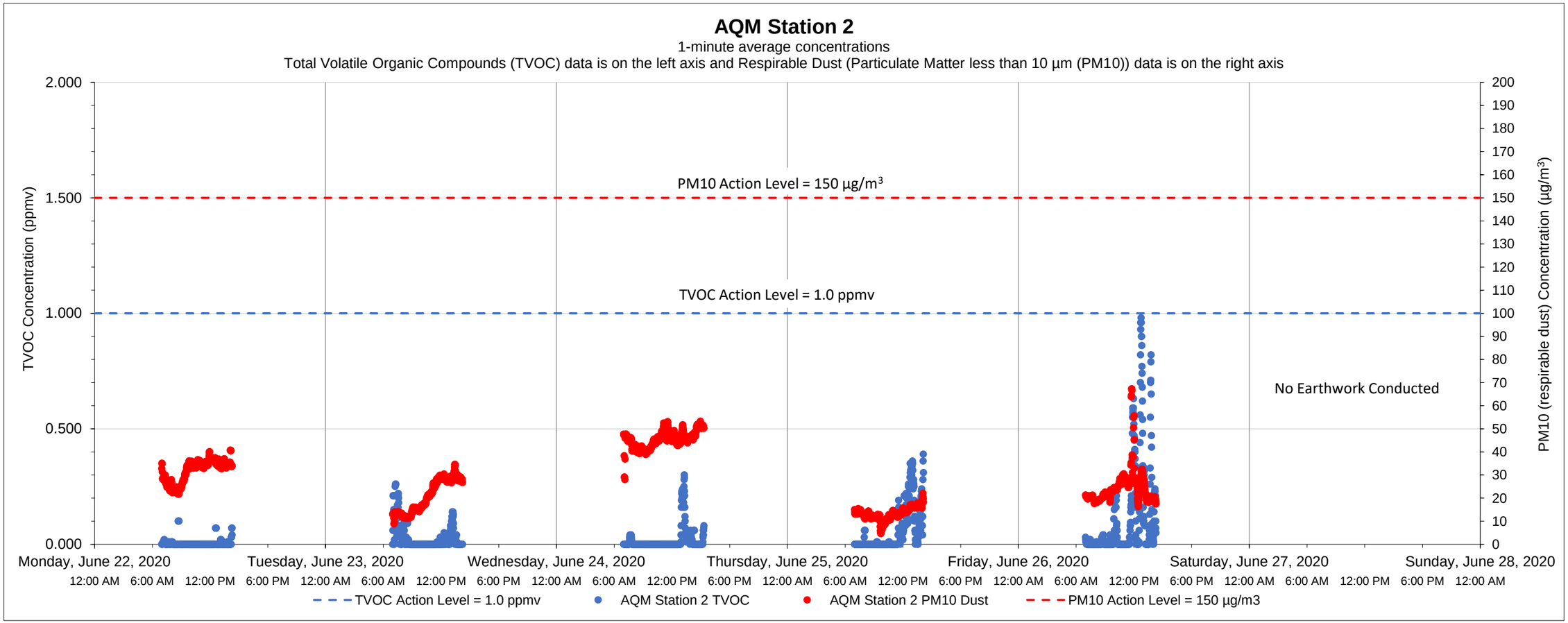

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.98	ppm
TVOCs action level	1	ppm
PM10 average concentration	27.51	µg/m^3
PM10 maximum concentration	67.26	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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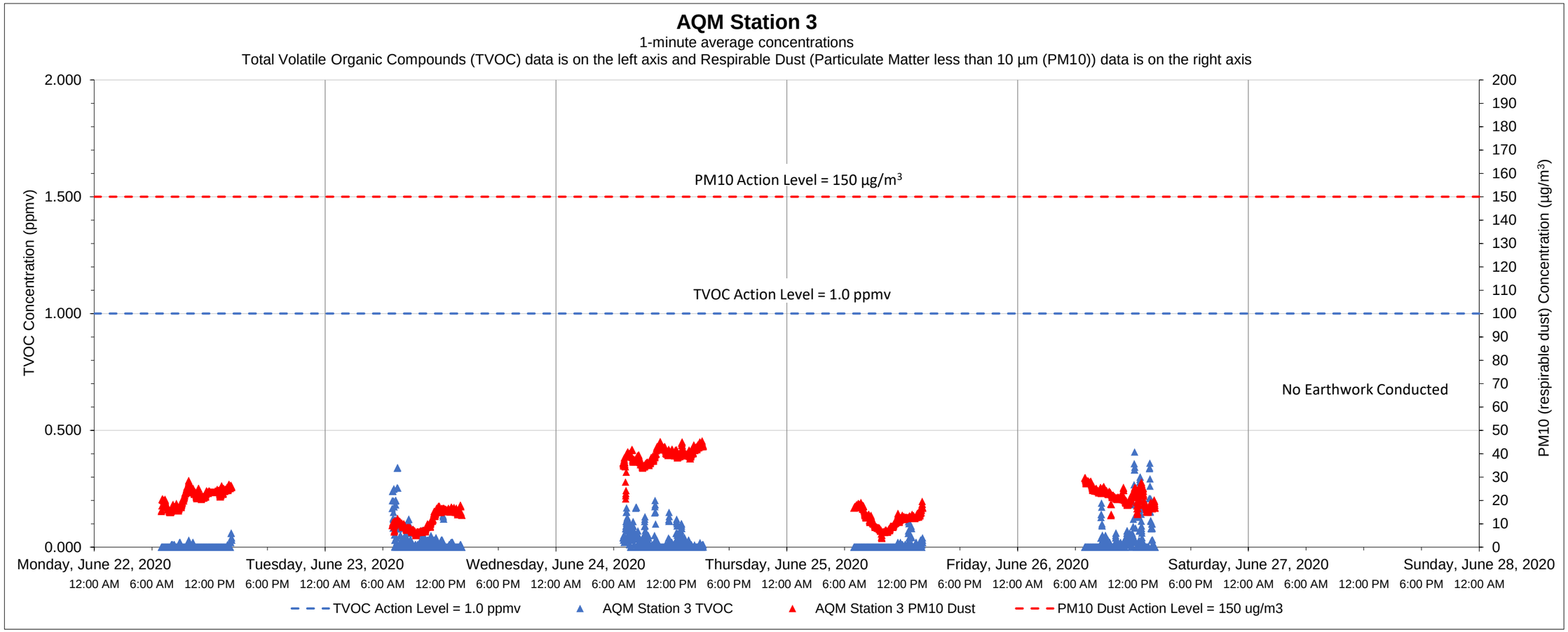

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.41	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.92	µg/m^3
PM10 maximum concentration	45.51	µg/m^3
PM10 action level	150	µg/m^3

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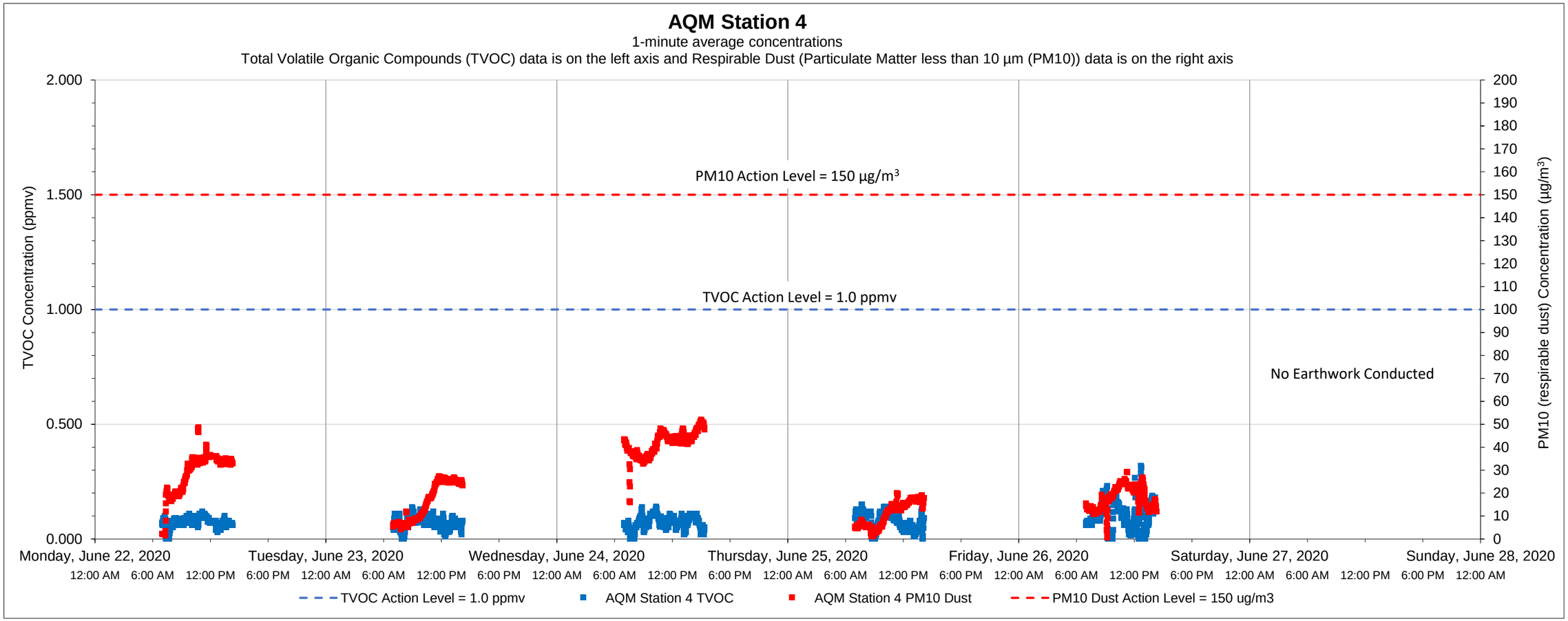

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	0.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	23.57	µg/m^3
PM10 maximum concentration	52.02	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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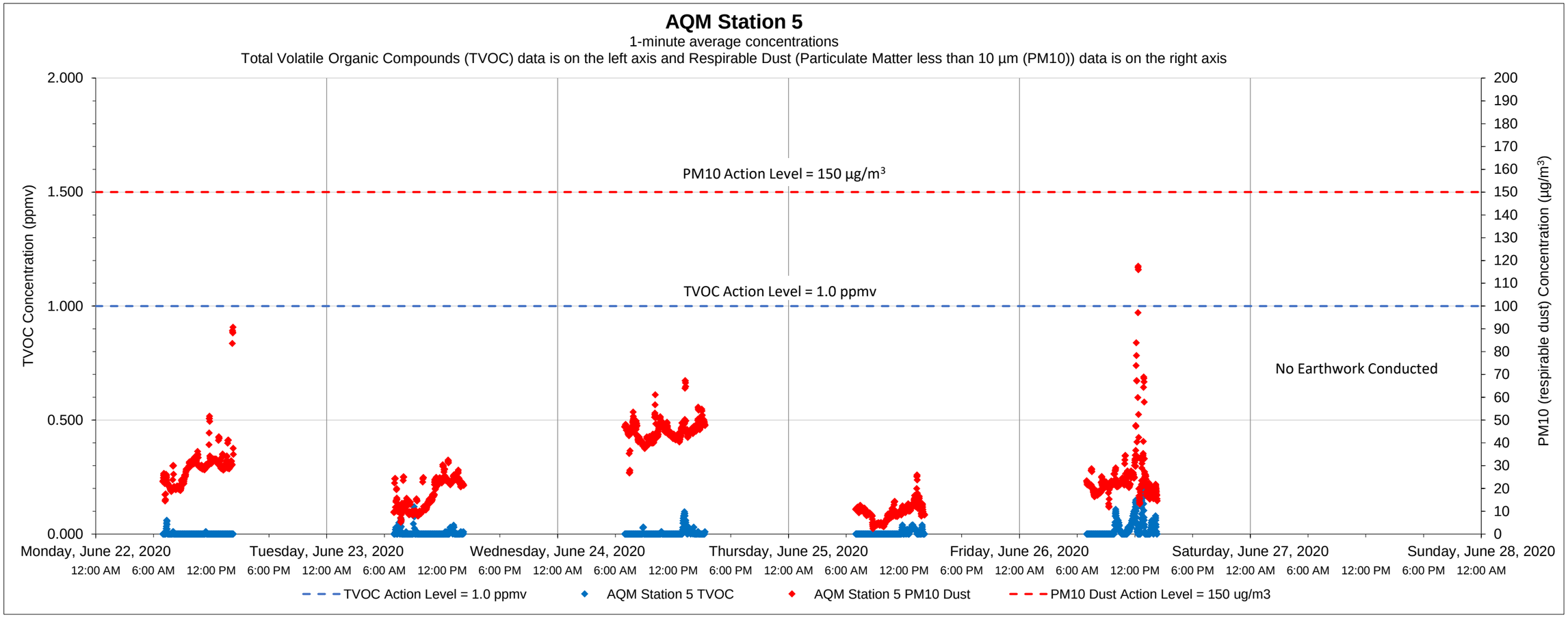

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.22	ppm
TVOCs action level	1	ppm
PM10 average concentration	25.57	µg/m^3
PM10 maximum concentration	117.46	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

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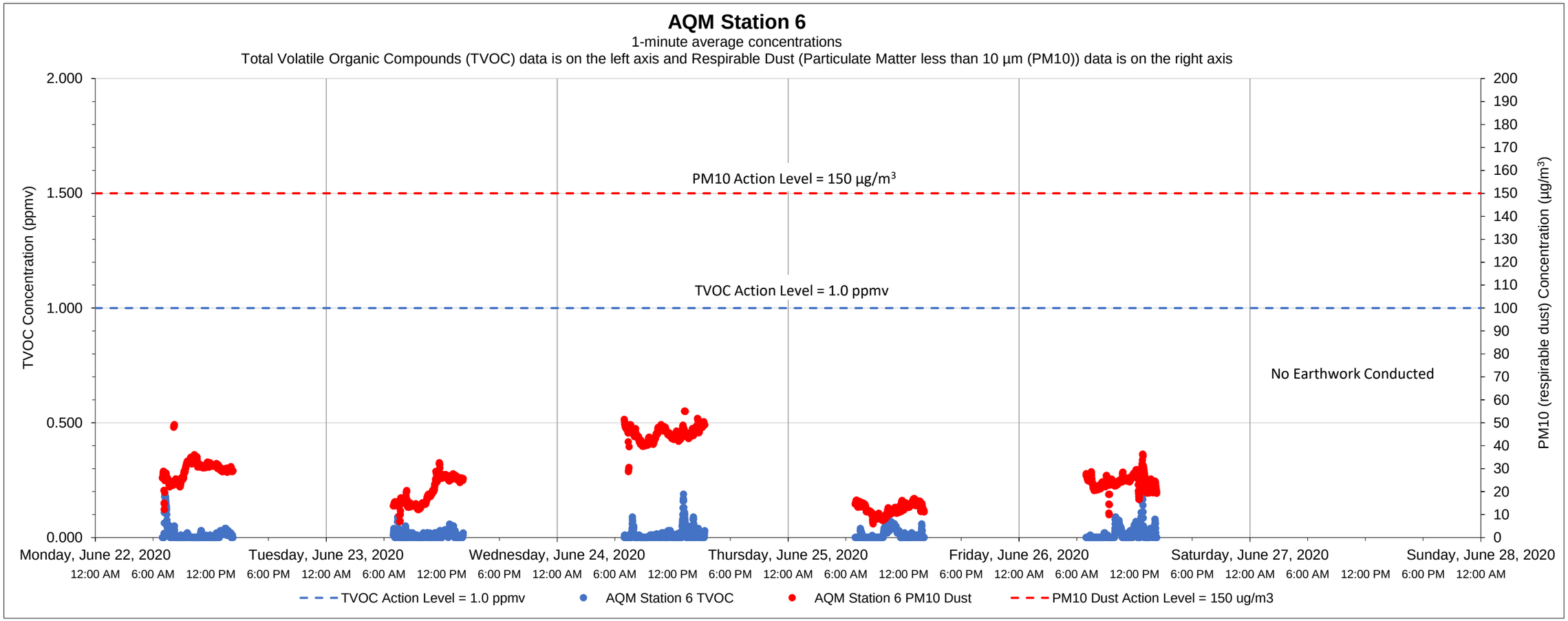

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.22	ppm
TVOCs action level	1	ppm
PM10 average concentration	26.67	µg/m^3
PM10 maximum concentration	55.09	µg/m^3
PM10 action level	150	µg/m^3

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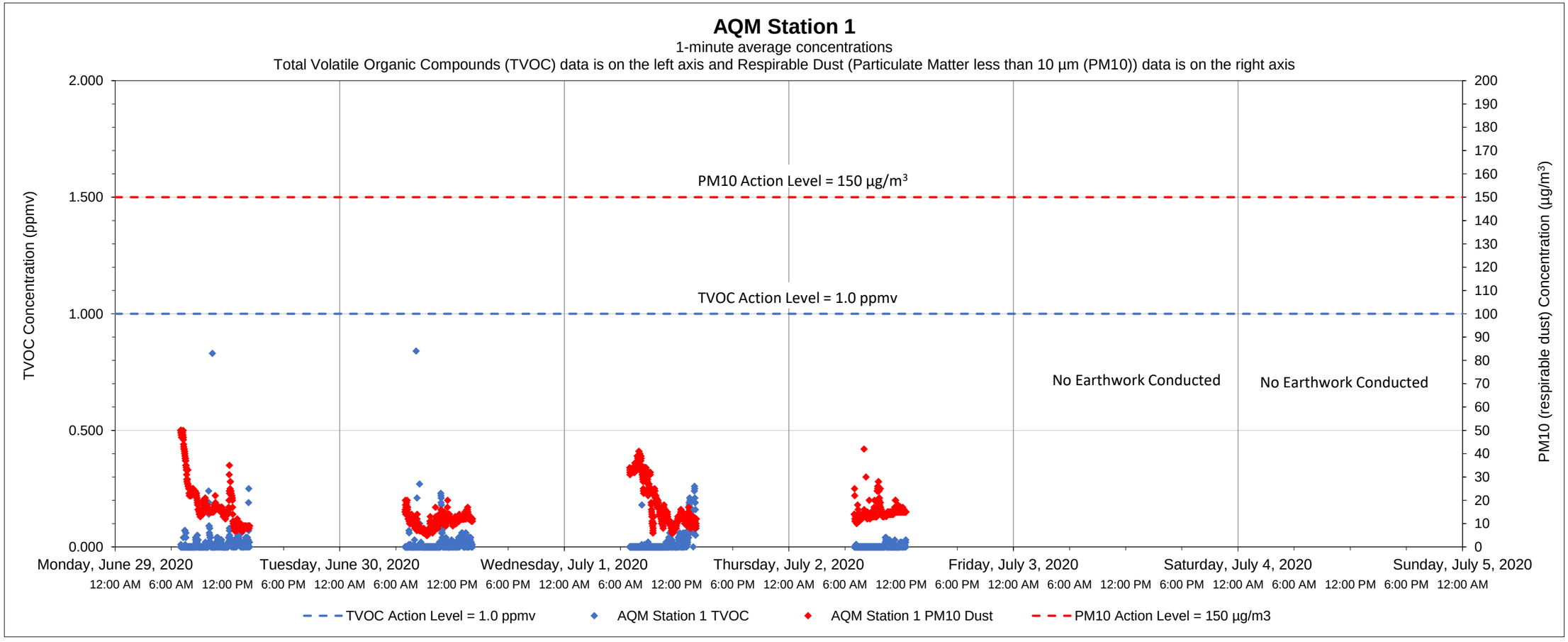
07/06/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.84	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.62	µg/m^3
PM10 maximum concentration	50.00	µg/m^3
PM10 action level	150	µg/m^3

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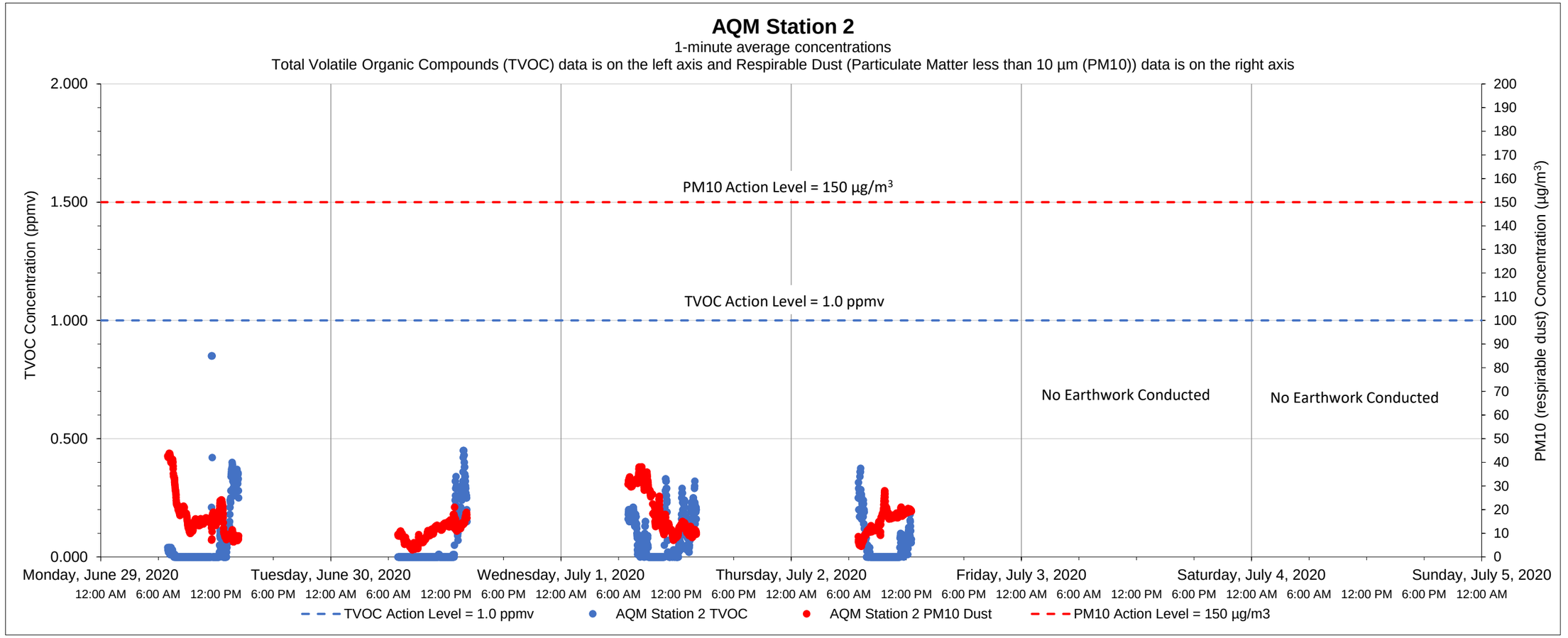

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.85	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.52	µg/m^3
PM10 maximum concentration	43.86	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

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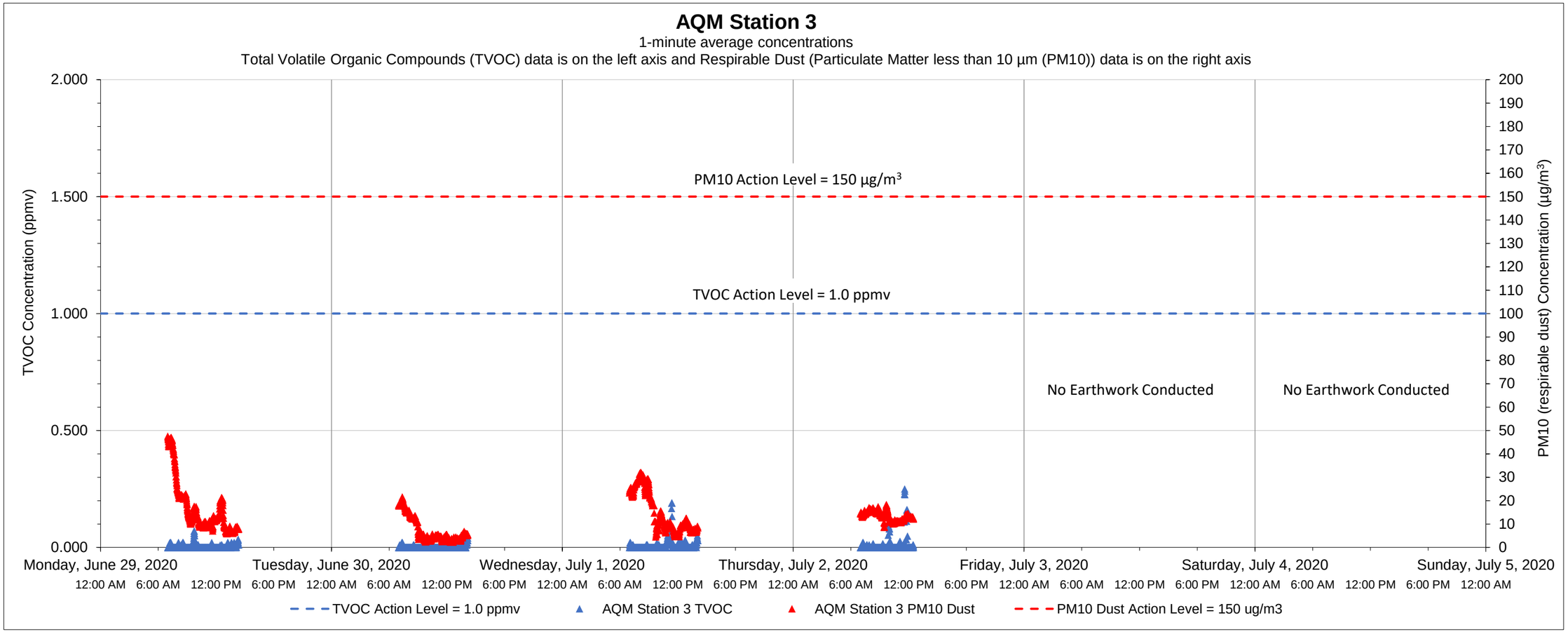

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.03	µg/m^3
PM10 maximum concentration	47.52	µg/m^3
PM10 action level	150	µg/m^3

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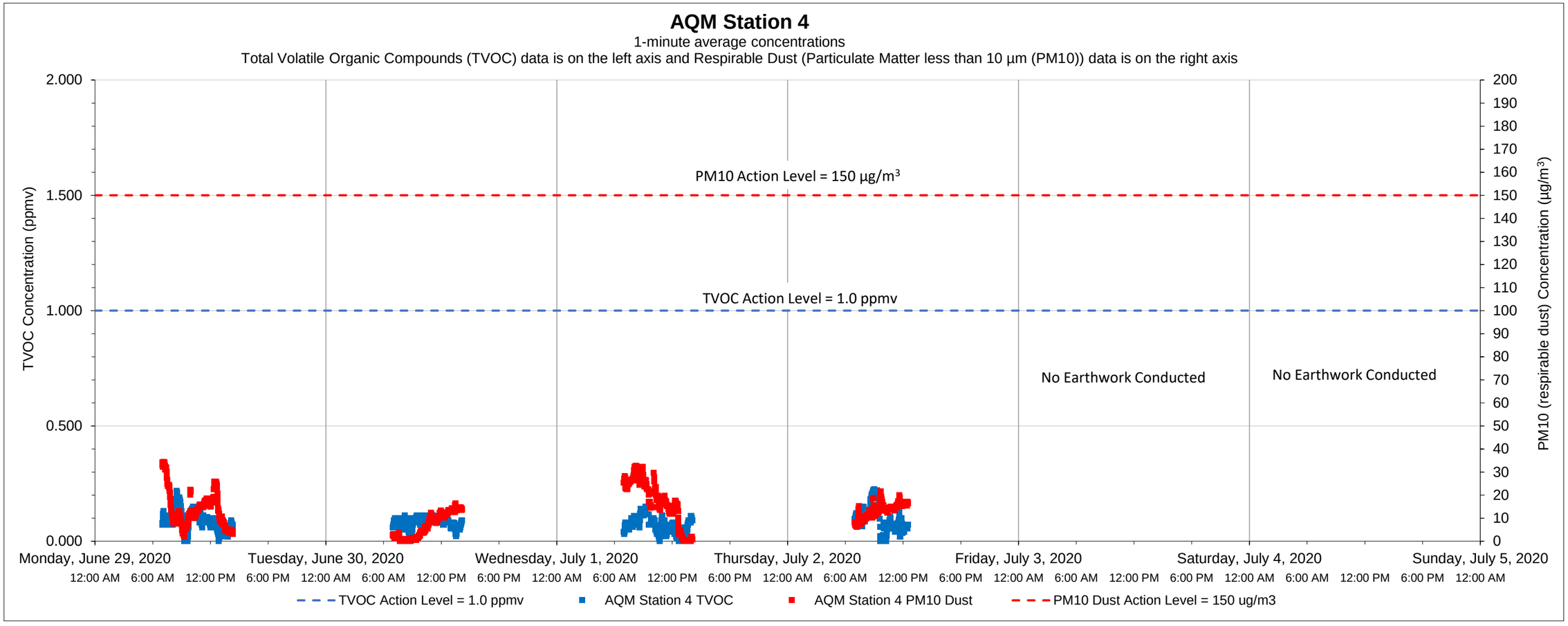

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	0.23	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.57	µg/m^3
PM10 maximum concentration	34.41	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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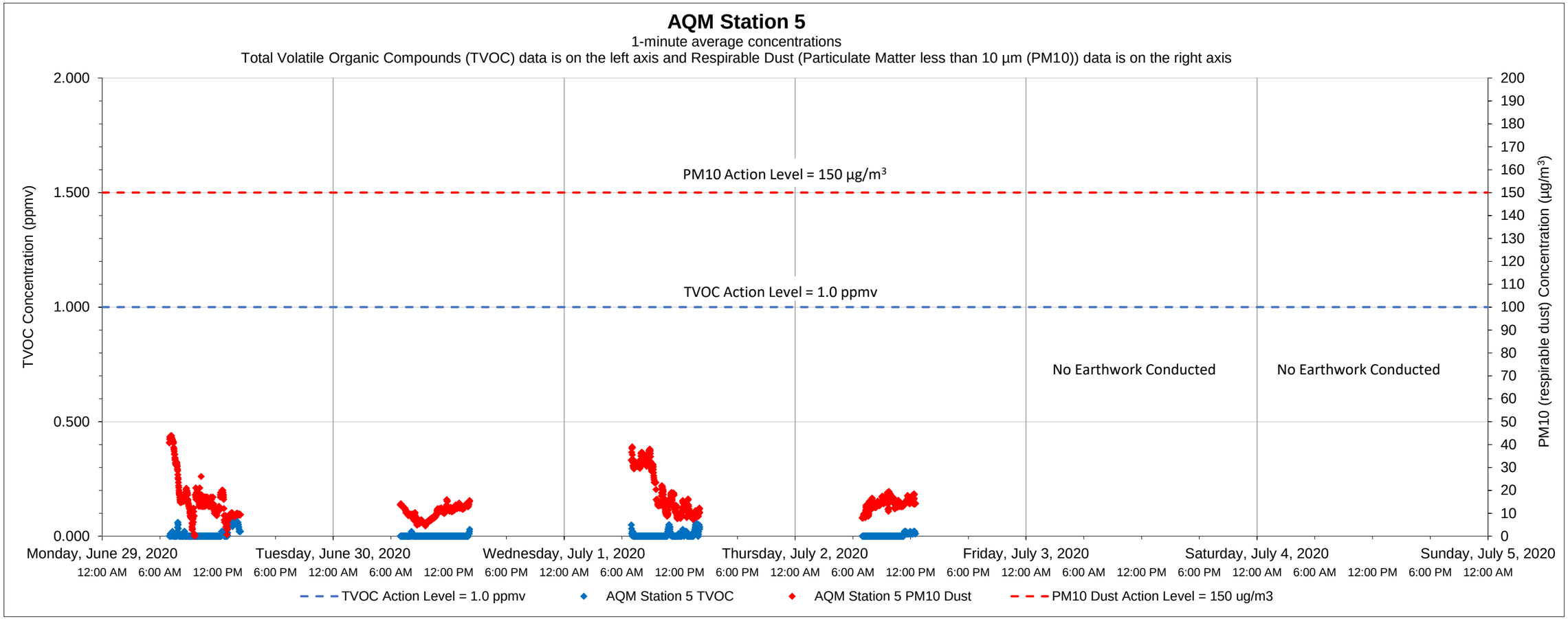

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.08	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.85	µg/m^3
PM10 maximum concentration	43.79	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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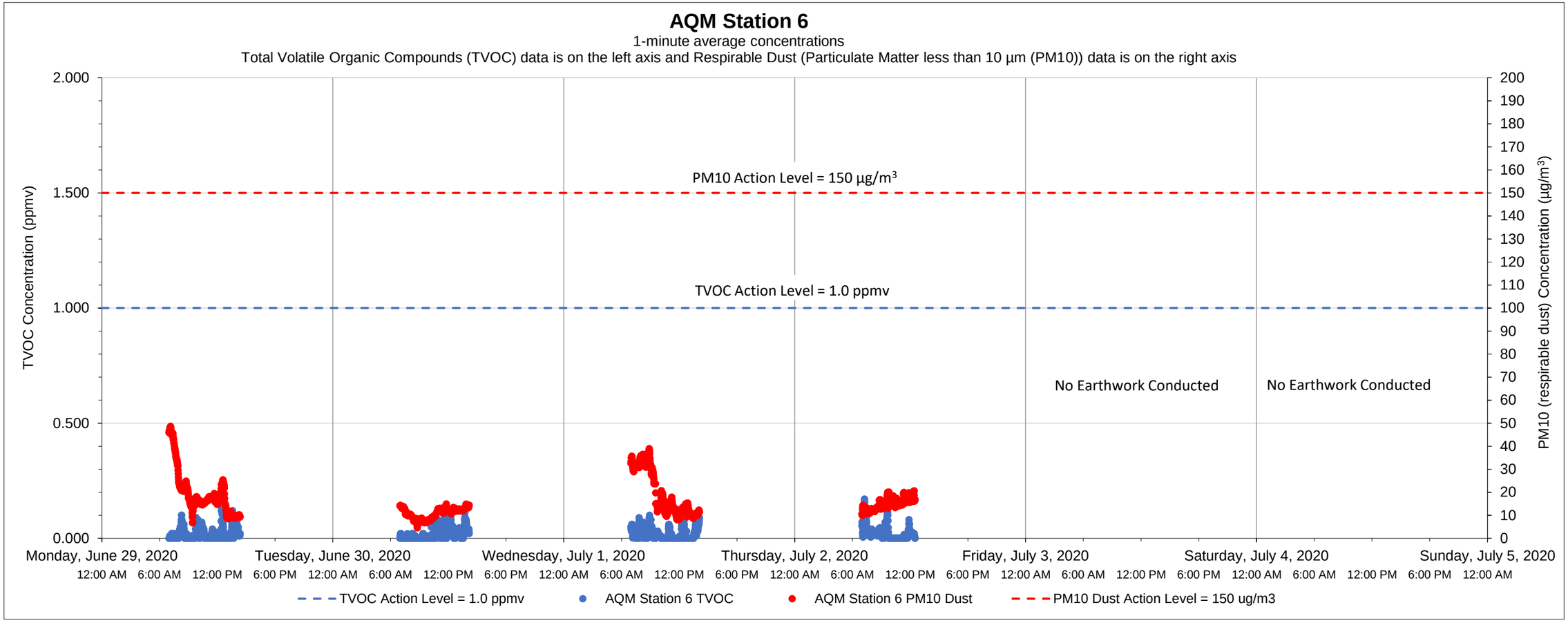

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.17	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.06	µg/m^3
PM10 maximum concentration	48.63	µg/m^3
PM10 action level	150	µg/m^3

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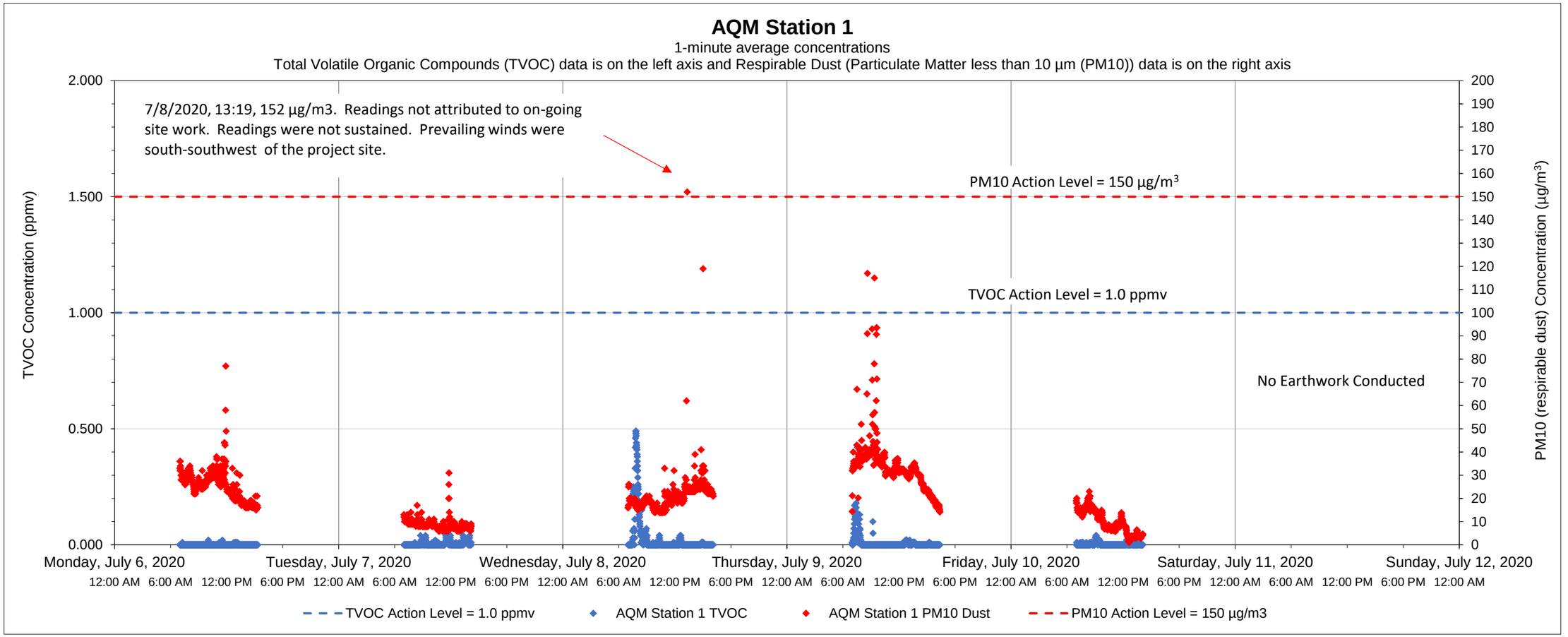

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.49	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.32	µg/m^3
PM10 maximum concentration	152.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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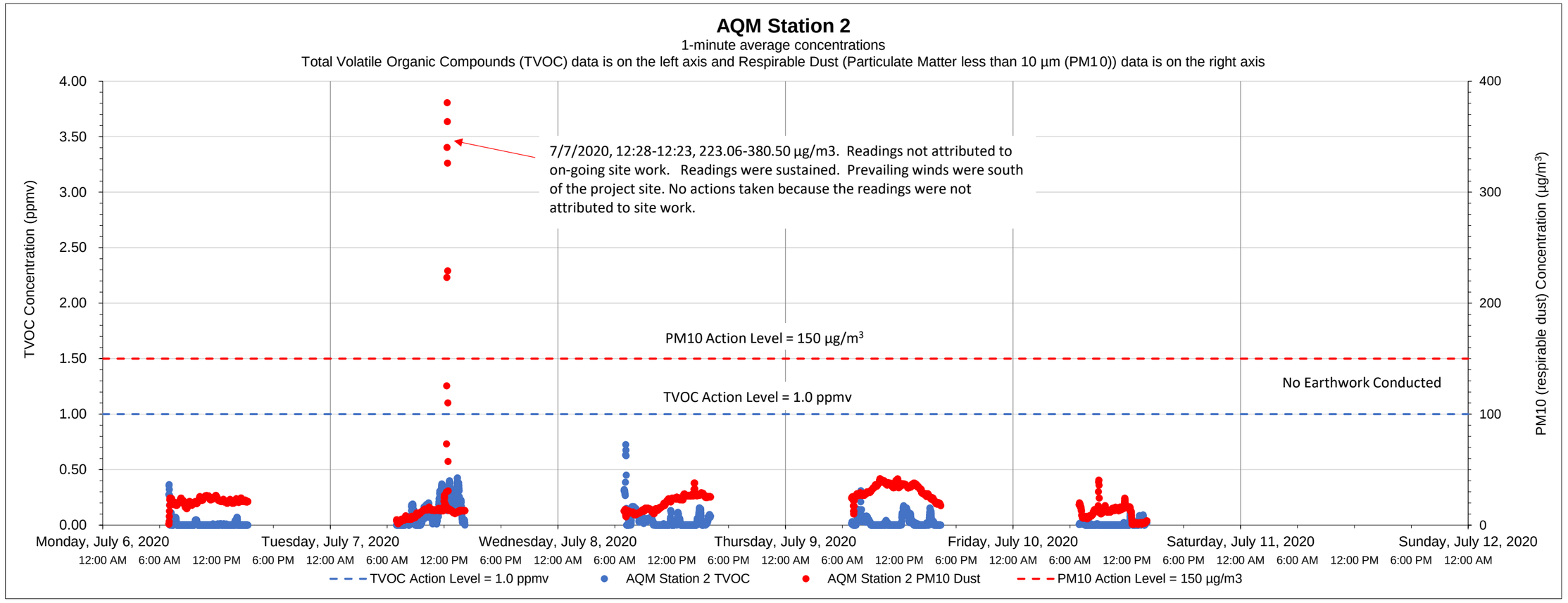

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
7/7/2020	12:18-12:23	DUST	223.06-380.50 µg/m3	No actions taken because the readings were not attributed to site work.

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.72	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.44	µg/m^3
PM10 maximum concentration	380.50	µg/m^3
PM10 action level	150	µg/m^3

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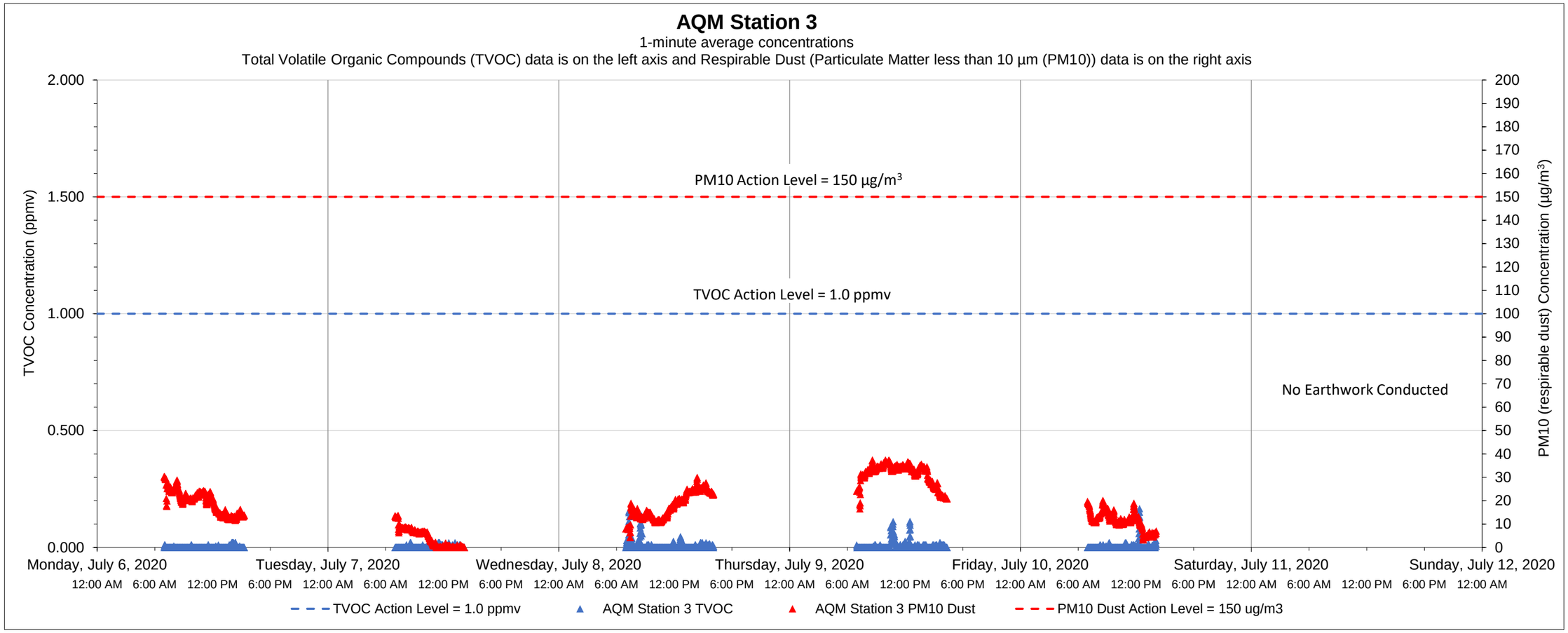
GZA Job No. 03.0033554.04
07/13/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.17	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.71	µg/m^3
PM10 maximum concentration	37.42	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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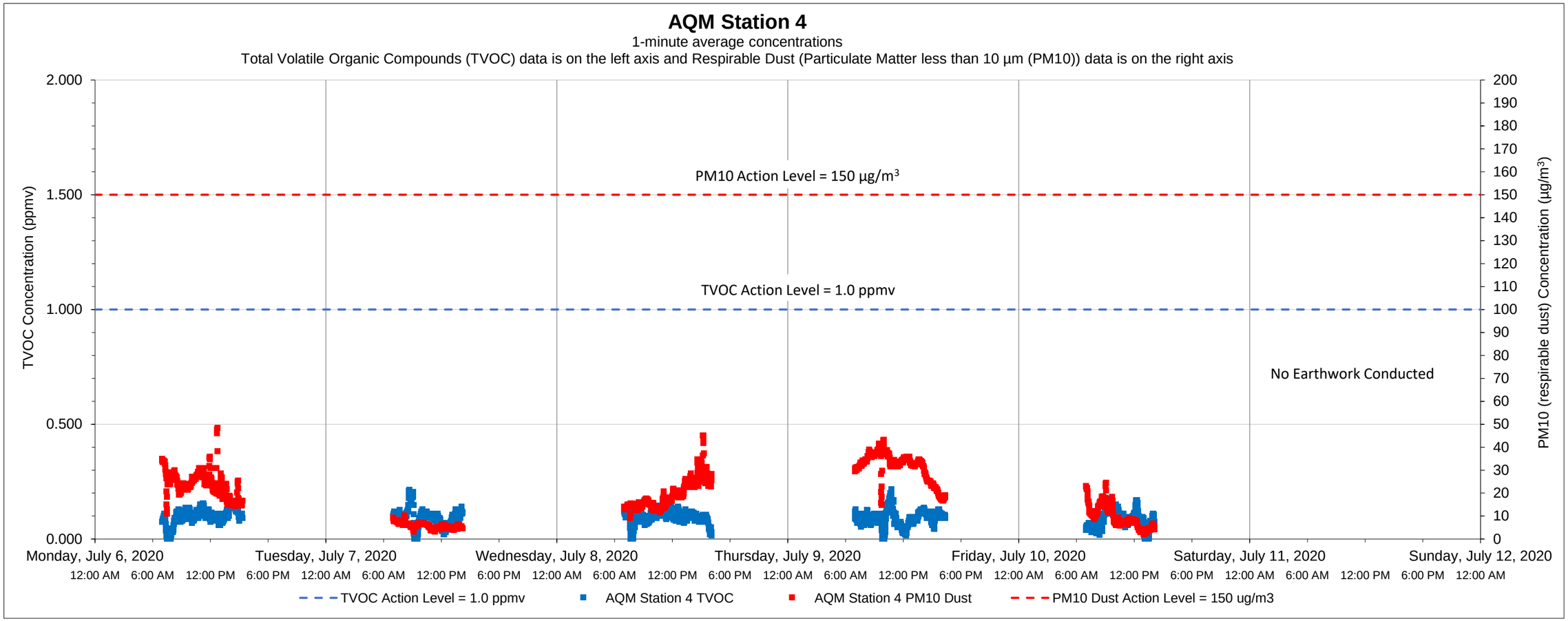
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
07/13/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	0.22	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.77	µg/m^3
PM10 maximum concentration	48.35	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
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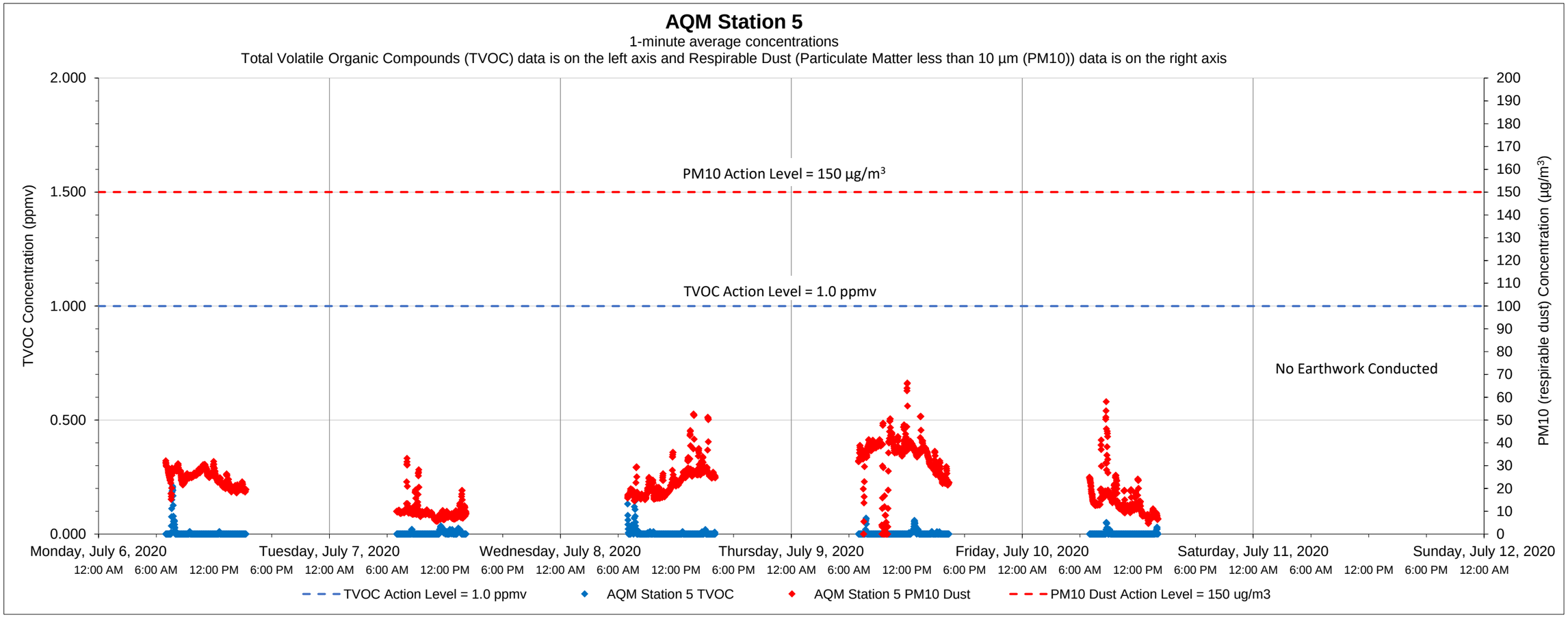

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.21	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.83	µg/m^3
PM10 maximum concentration	66.23	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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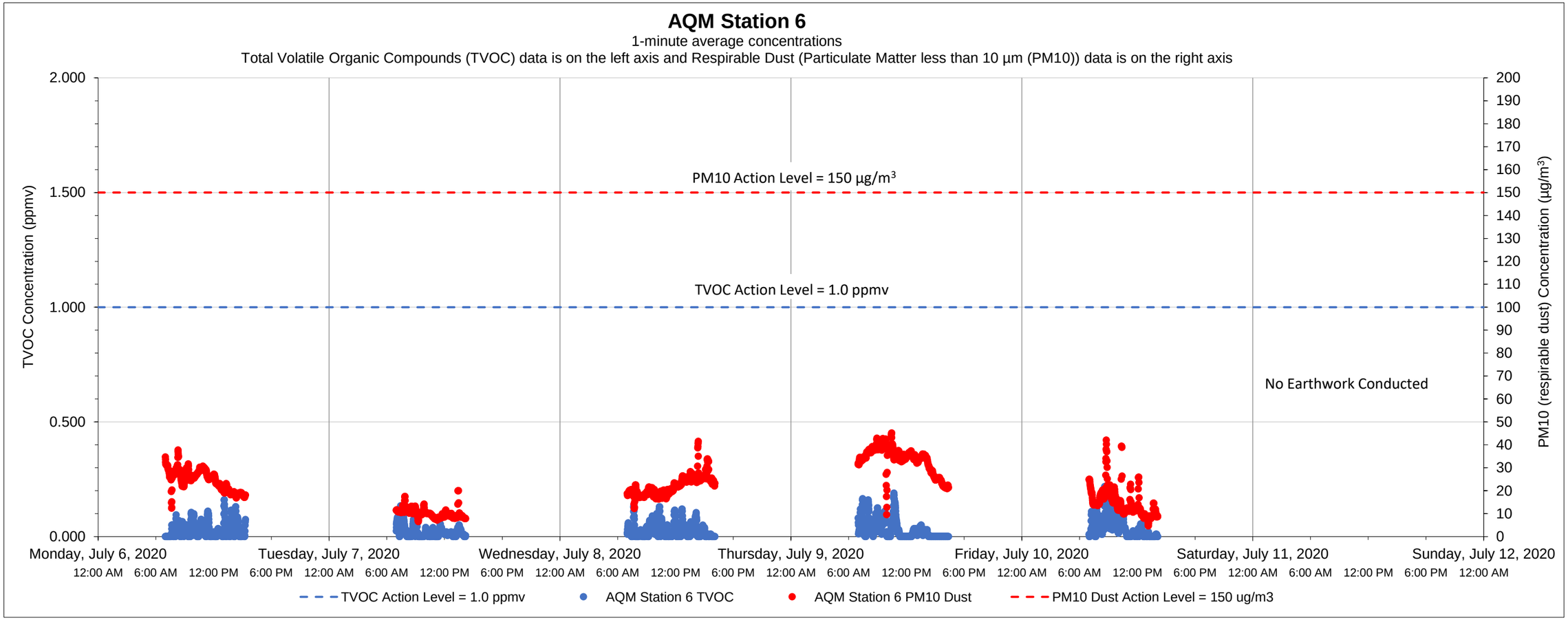

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.22	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.69	µg/m^3
PM10 maximum concentration	45.17	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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STRAP Perimeter Air Quality Monitoring (AQM)
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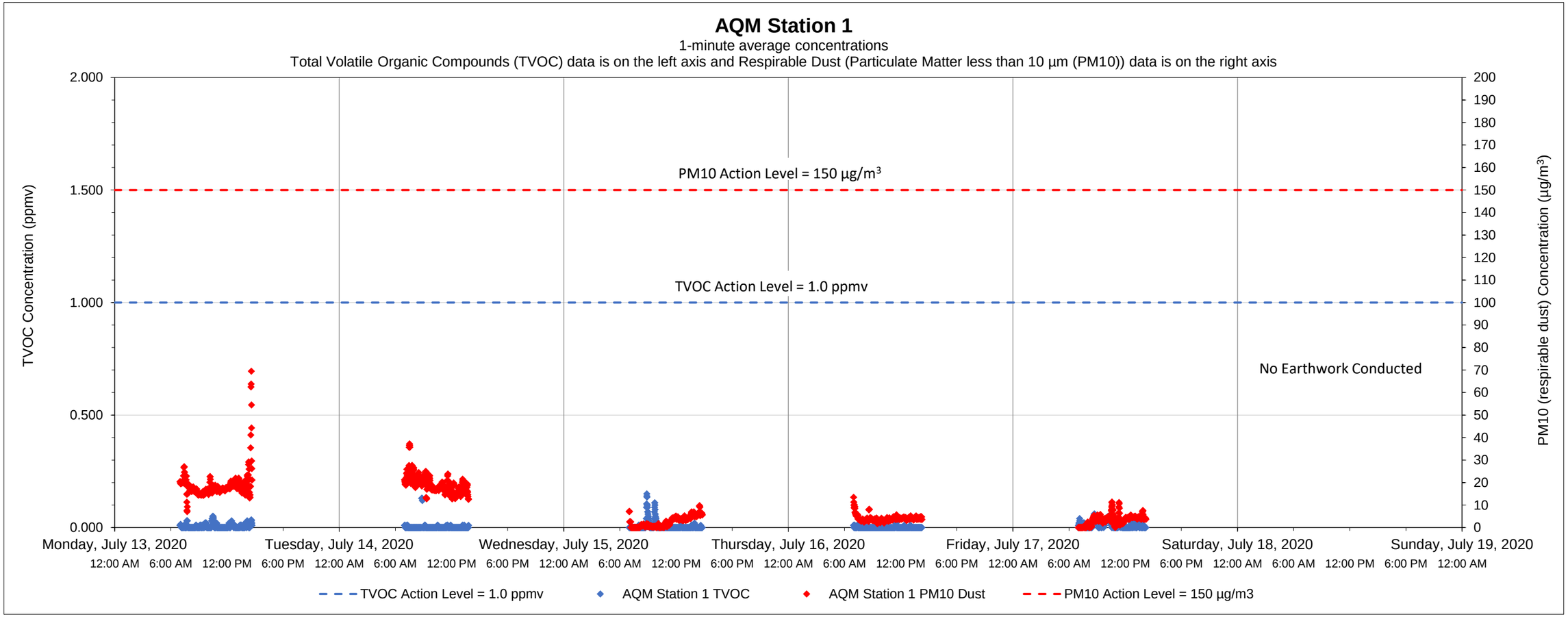

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.15	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.24	µg/m^3
PM10 maximum concentration	69.46	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
AQM Station 1 was relocated approximately 75 feet southwest of its original location to improve radio communication performance.
The radio communication performance did not impact data collection or reporting.

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
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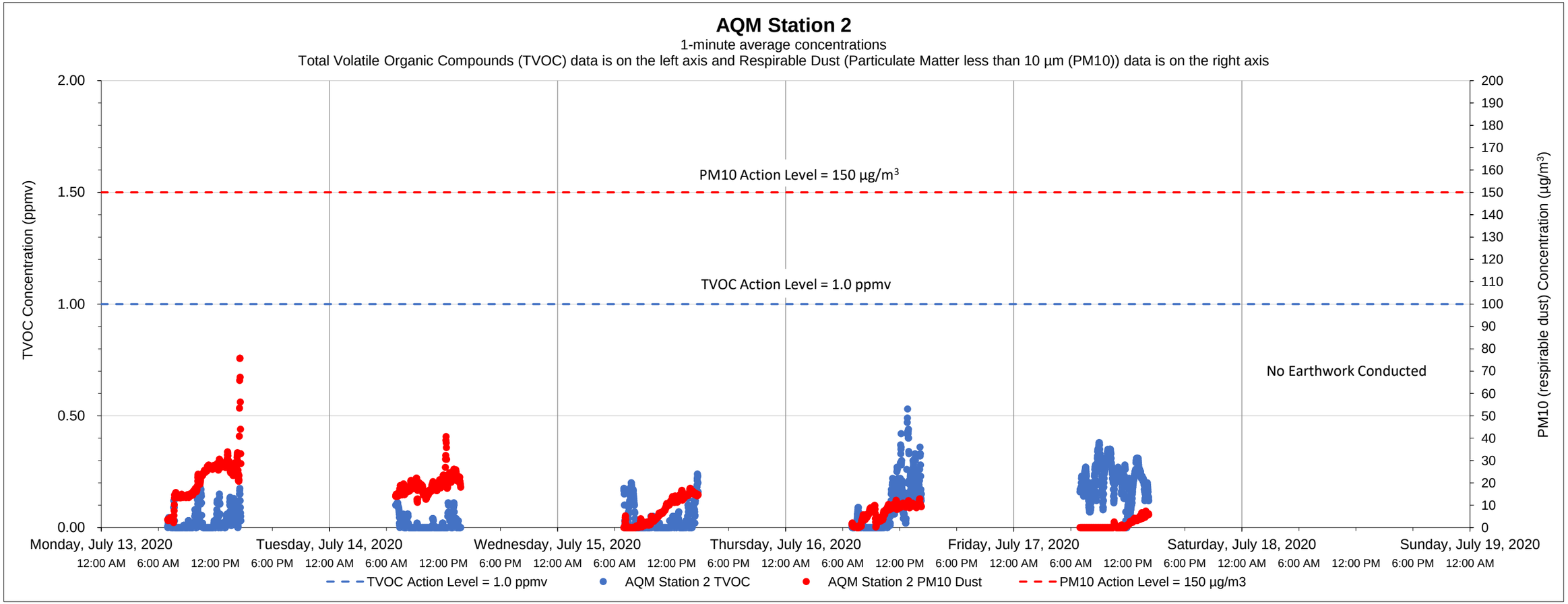

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	0.53	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.06	µg/m^3
PM10 maximum concentration	75.81	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
AQM Station 1 was relocated approximately 75 feet southwest of its original location to improve radio communication performance.
The radio communication performance did not impact data collection or reporting.

Notes:

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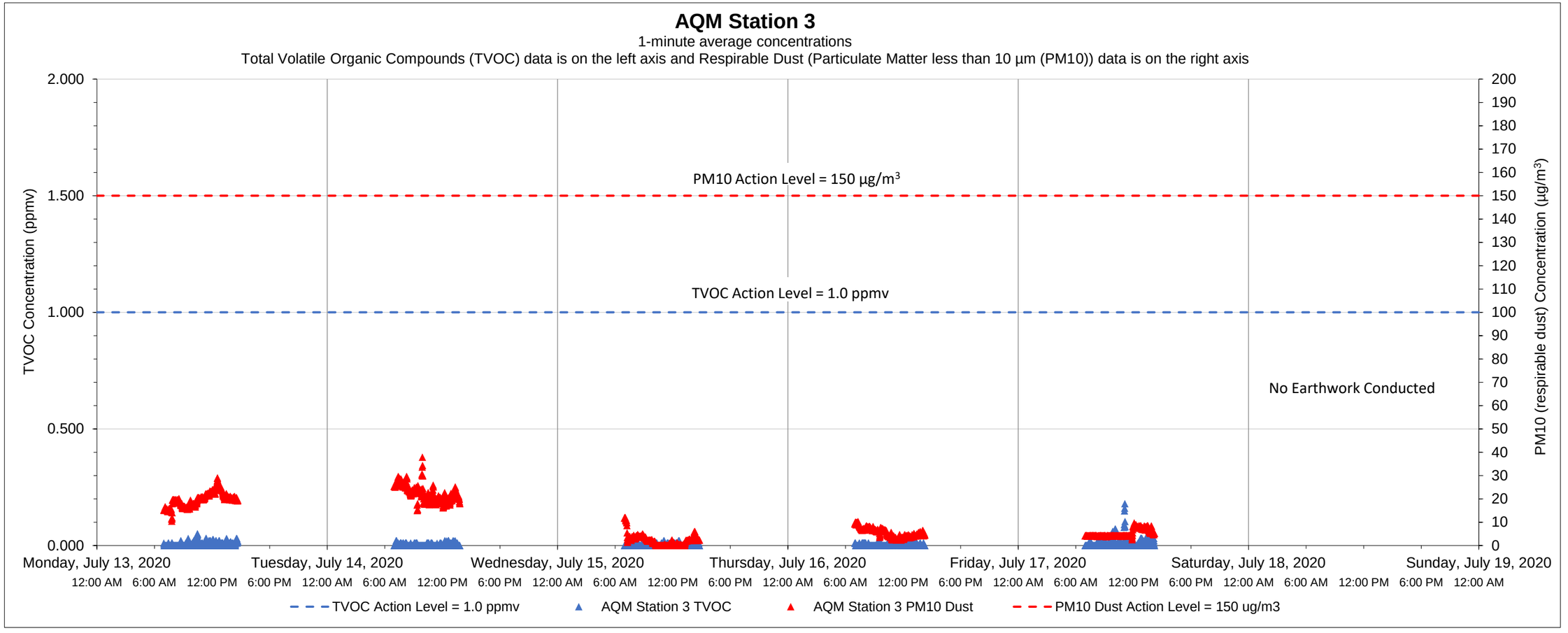

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.77	µg/m^3
PM10 maximum concentration	37.84	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
AQM Station 1 was relocated approximately 75 feet southwest of its original location to improve radio communication performance.
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Notes:
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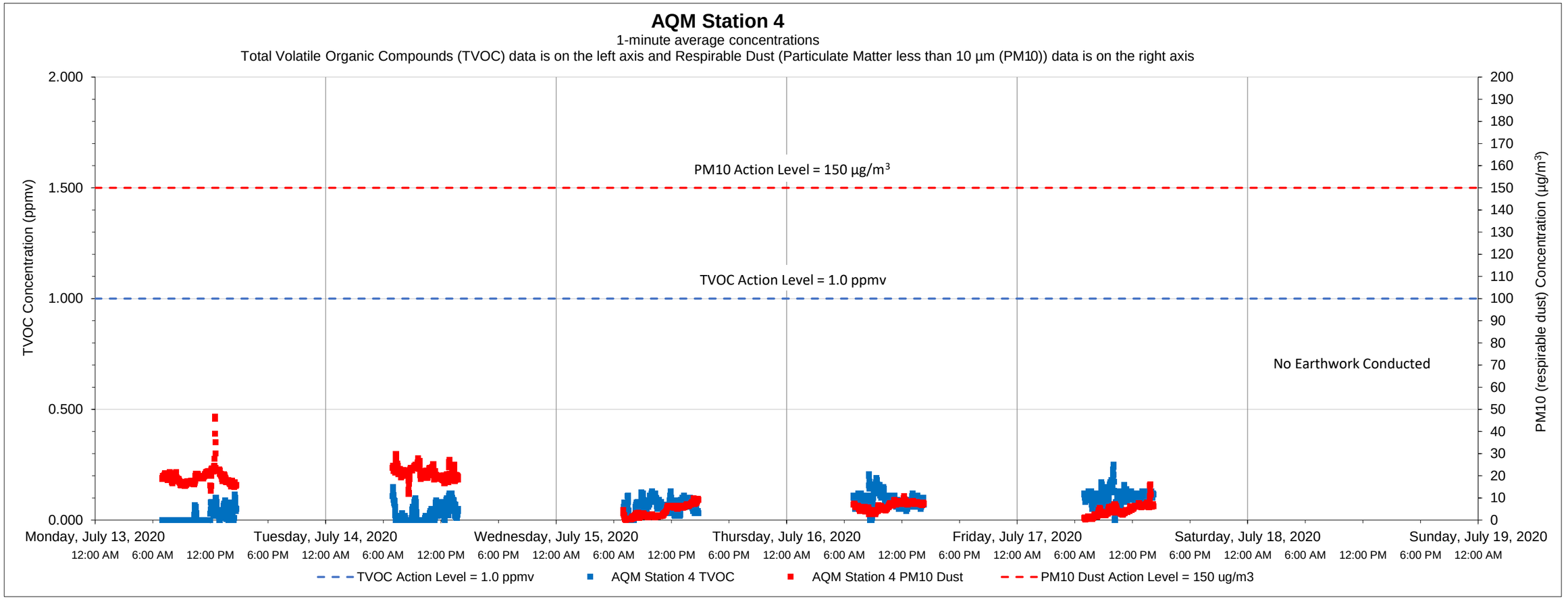

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.80	µg/m^3
PM10 maximum concentration	46.60	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
AQM Station 1 was relocated approximately 75 feet southwest of its original location to improve radio communication performance.
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Notes:
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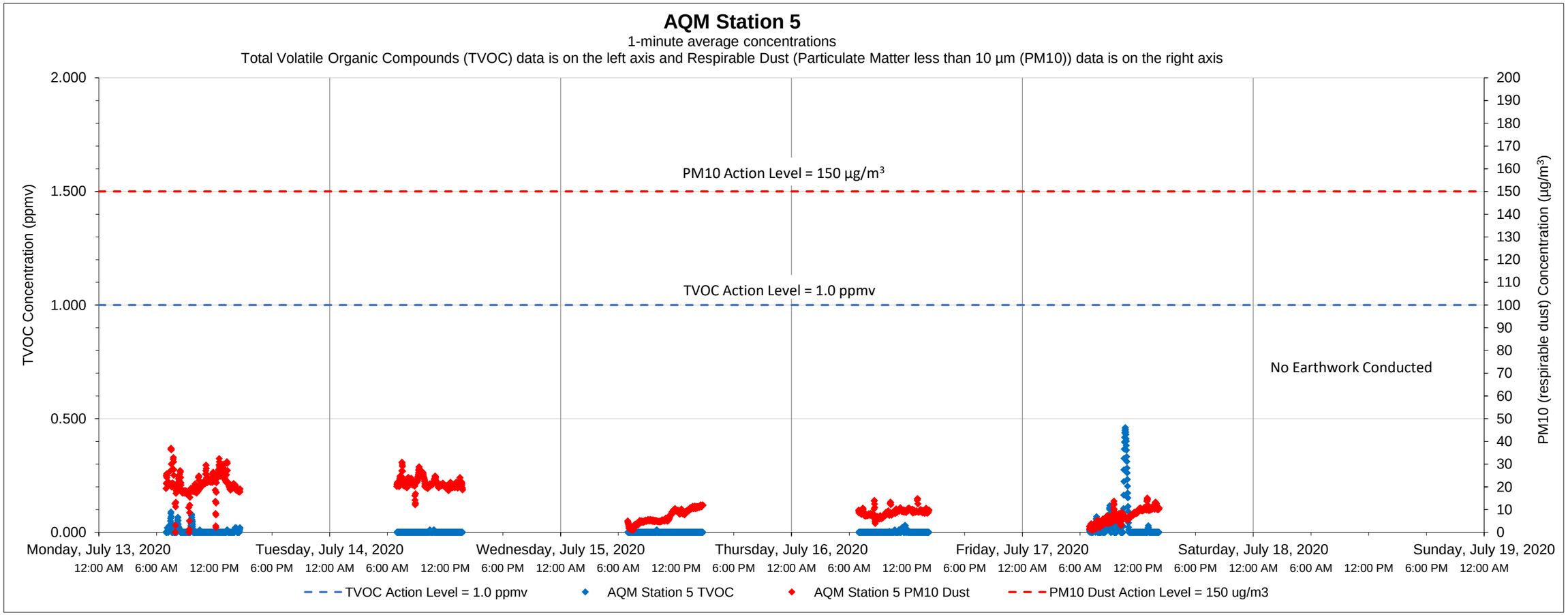

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.99	µg/m^3
PM10 maximum concentration	37.00	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
AQM Station 1 was relocated approximately 75 feet southwest of its original location to improve radio communication performance.
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Notes:
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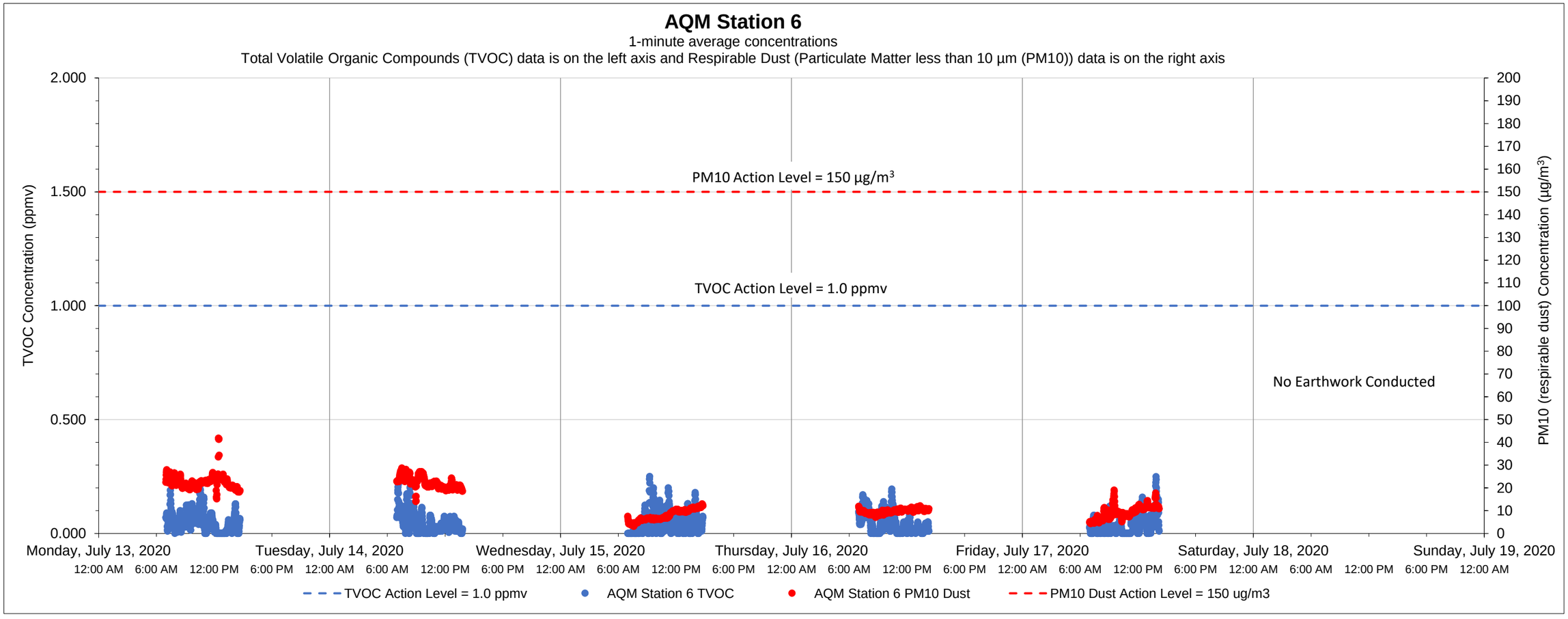

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.22	µg/m³
PM10 maximum concentration	41.88	µg/m³
PM10 action level	150	µg/m³

Equipment Notes
AQM Station 1 was relocated approximately 75 feet southwest of its original location to improve radio communication performance.
The radio communication performance did not impact data collection or reporting.

Notes:
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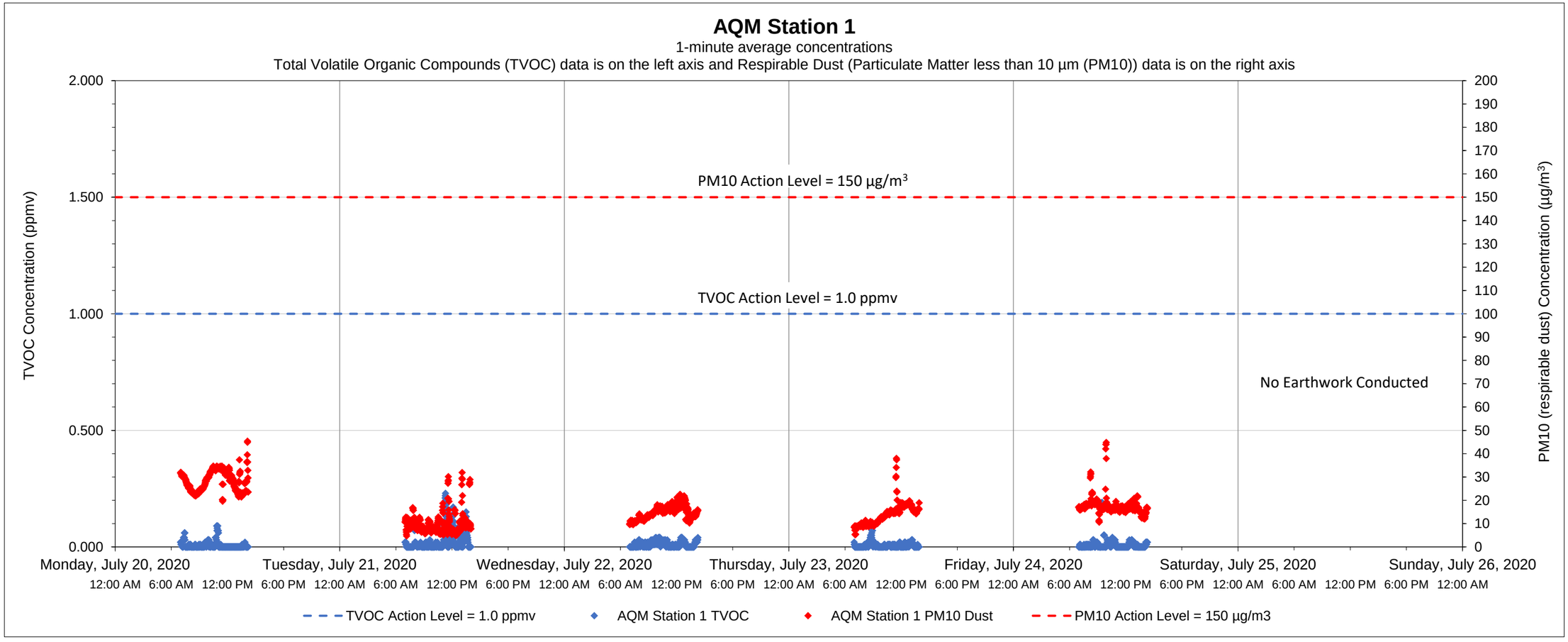

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.23	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.70	µg/m^3
PM10 maximum concentration	45.38	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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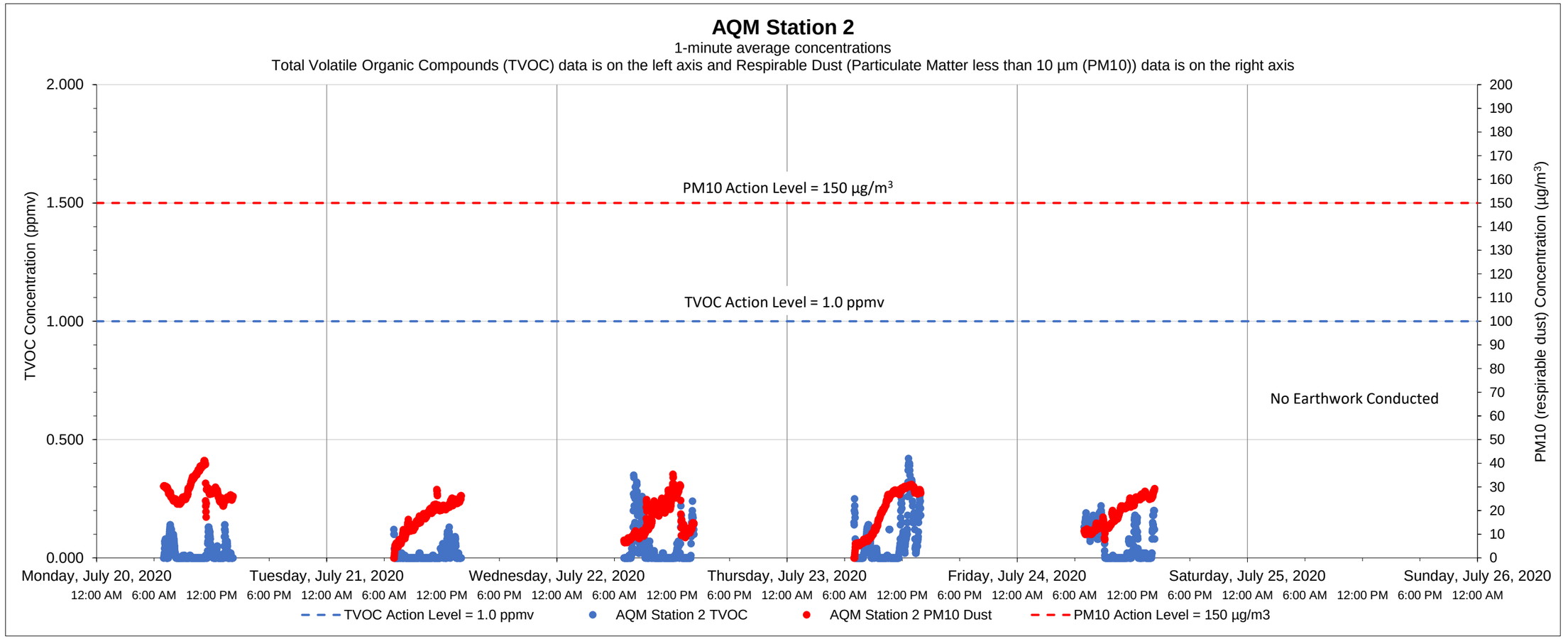

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.42	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.08	µg/m^3
PM10 maximum concentration	41.11	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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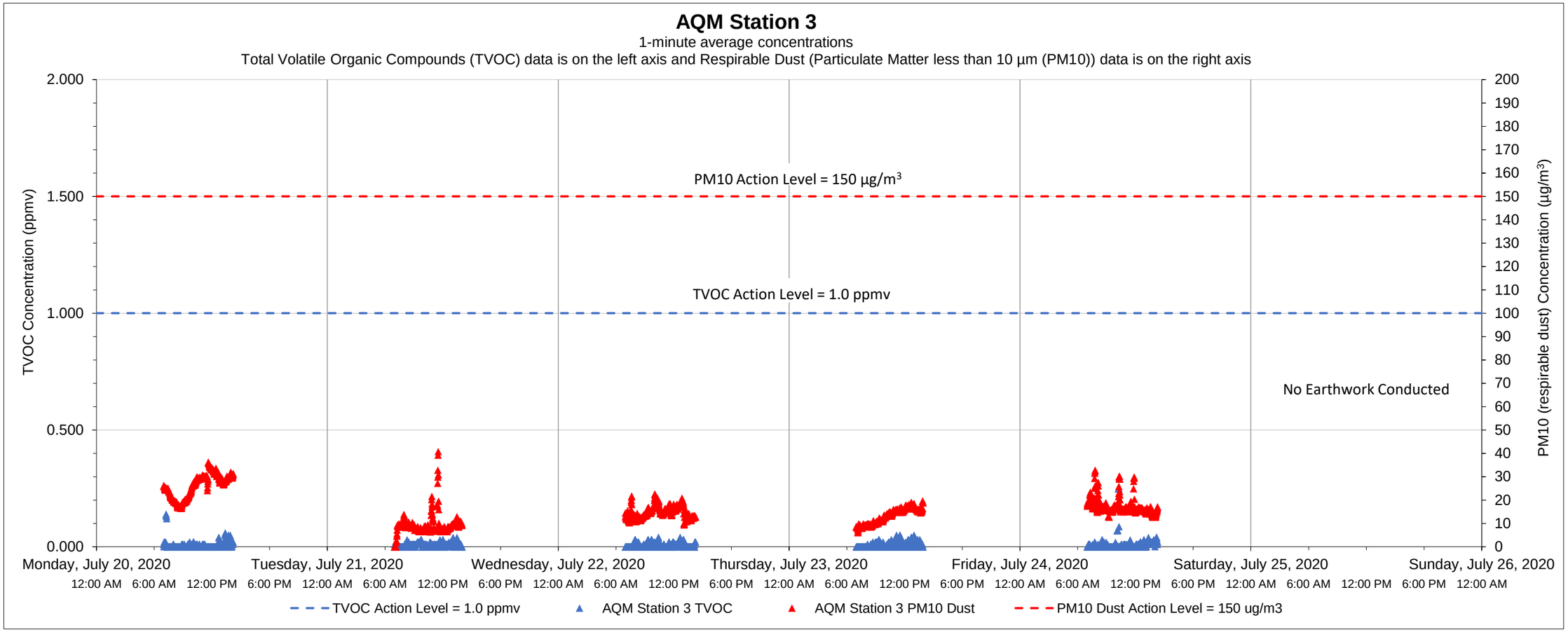

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.12	µg/m³
PM10 maximum concentration	40.70	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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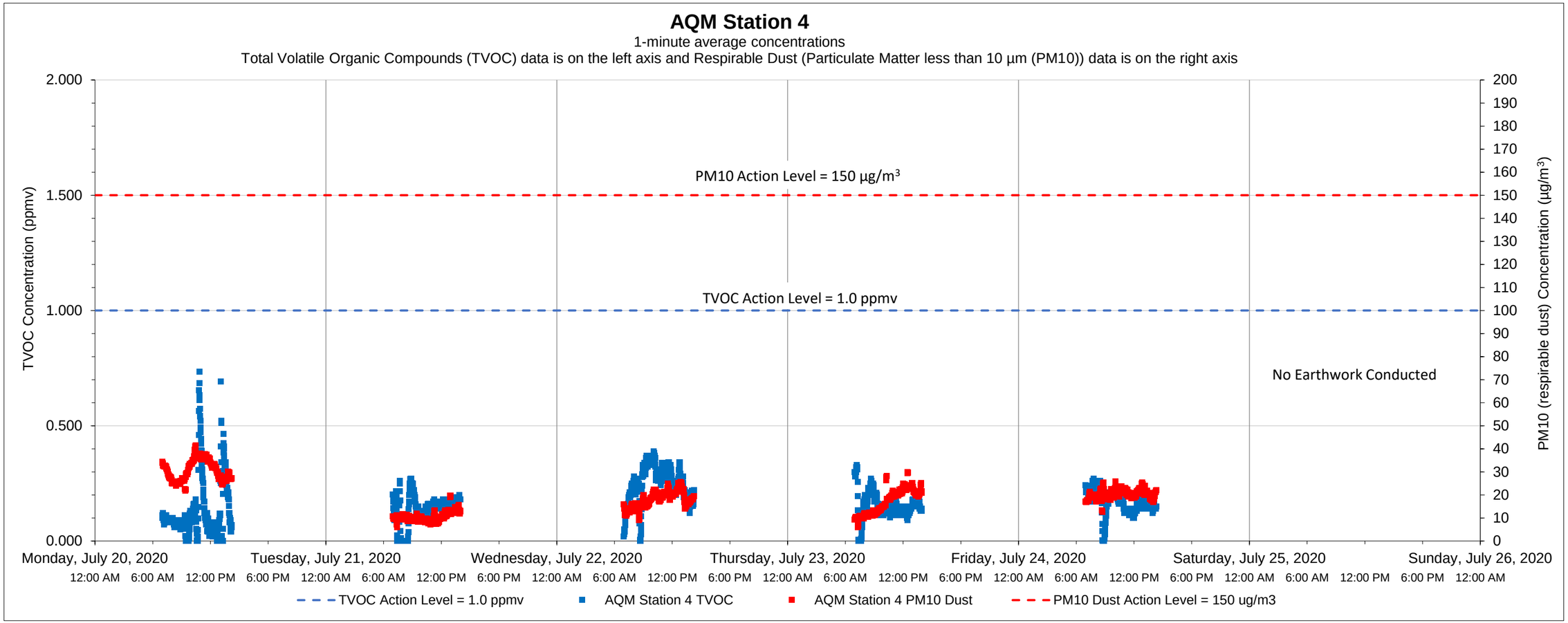

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.17	ppm
TVOCs maximum concentration	0.73	ppm
TVOCs action level	1	ppm
PM10 average concentration	19.26	µg/m³
PM10 maximum concentration	41.33	µg/m³
PM10 action level	150	µg/m³

Notes:
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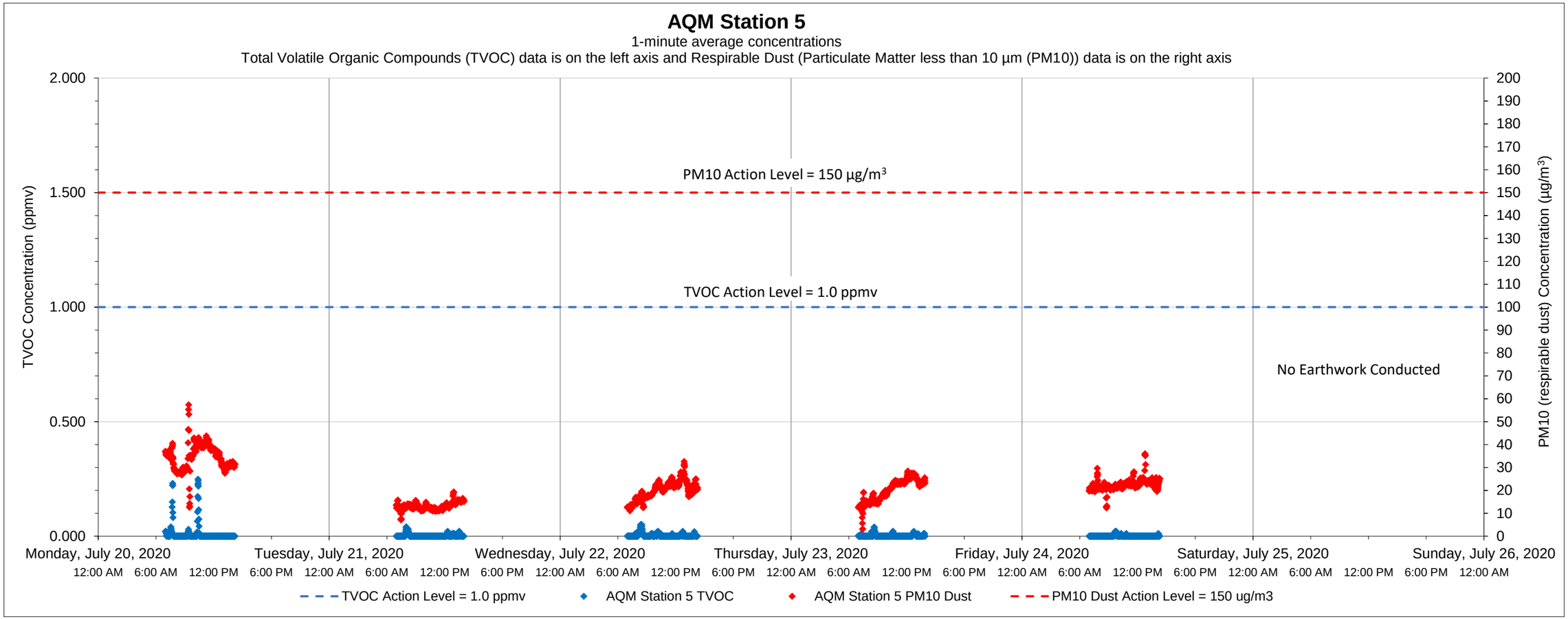

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.94	µg/m^3
PM10 maximum concentration	57.34	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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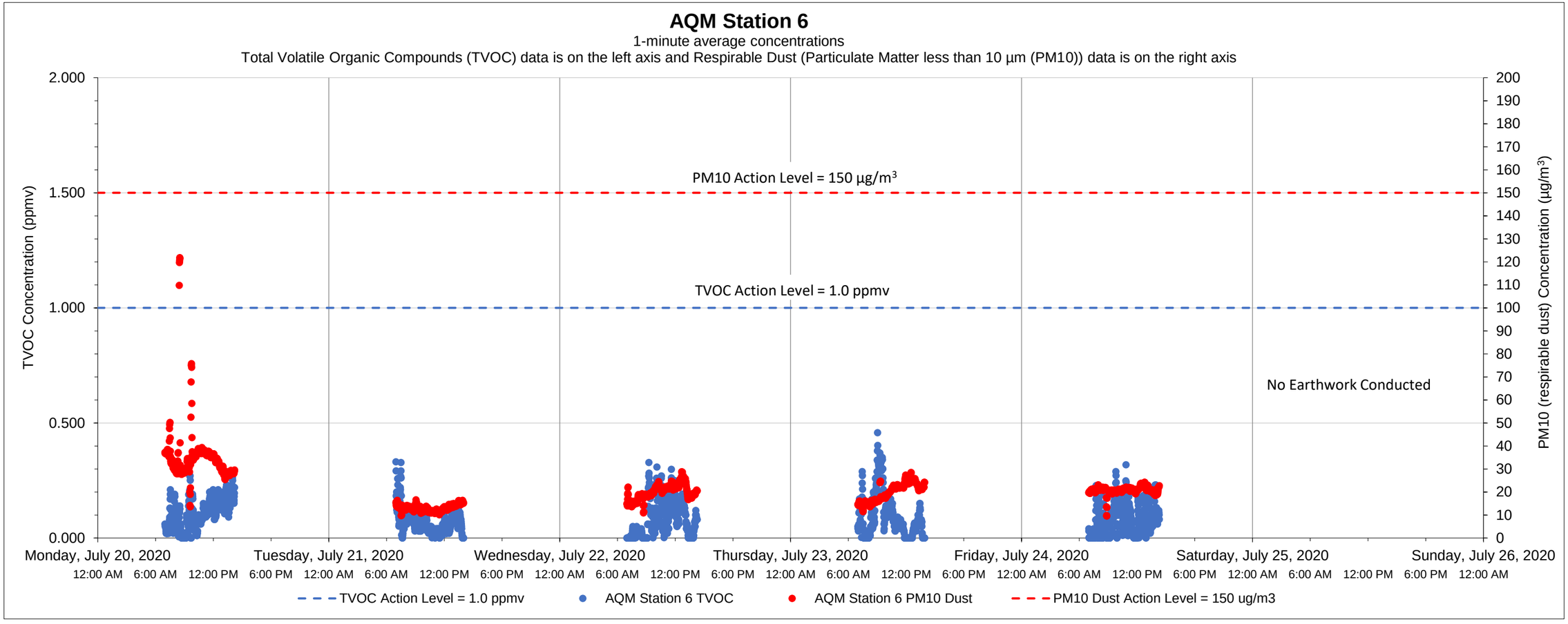

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	0.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.61	µg/m^3
PM10 maximum concentration	121.82	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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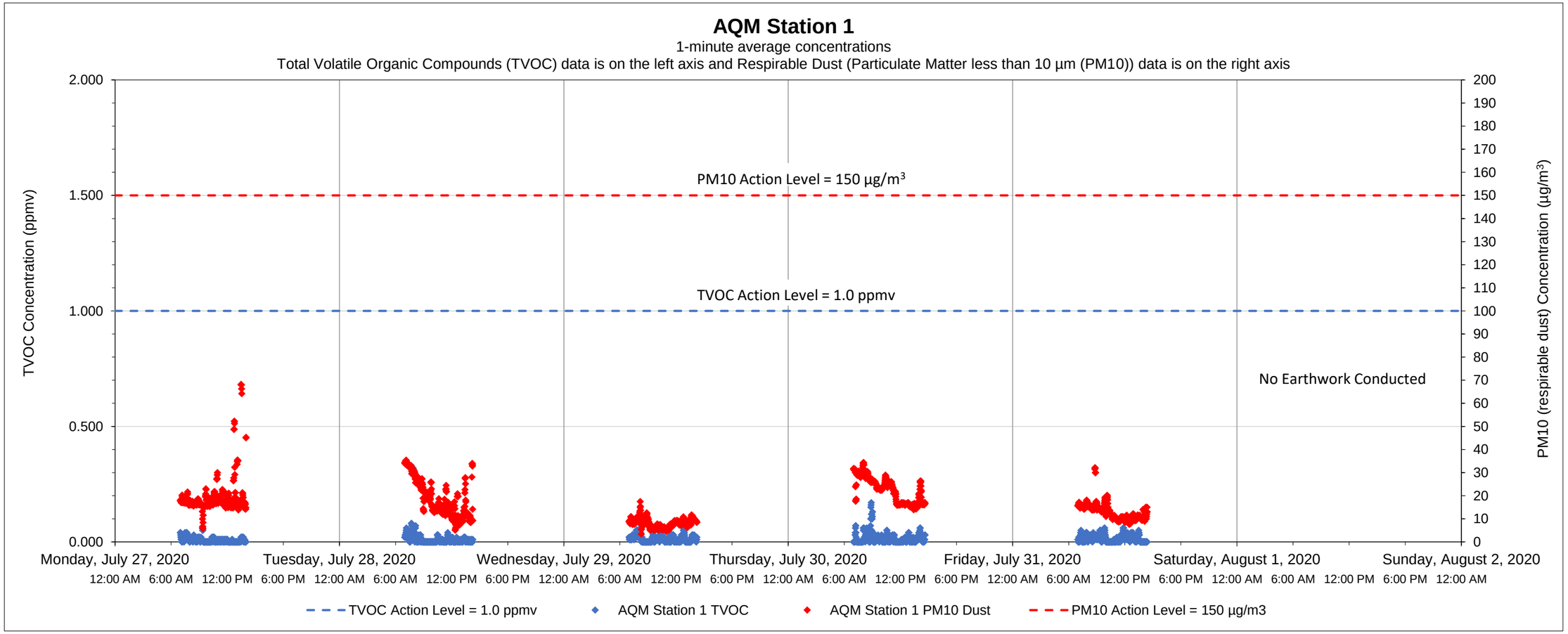
08/03/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.10	µg/m^3
PM10 maximum concentration	68.21	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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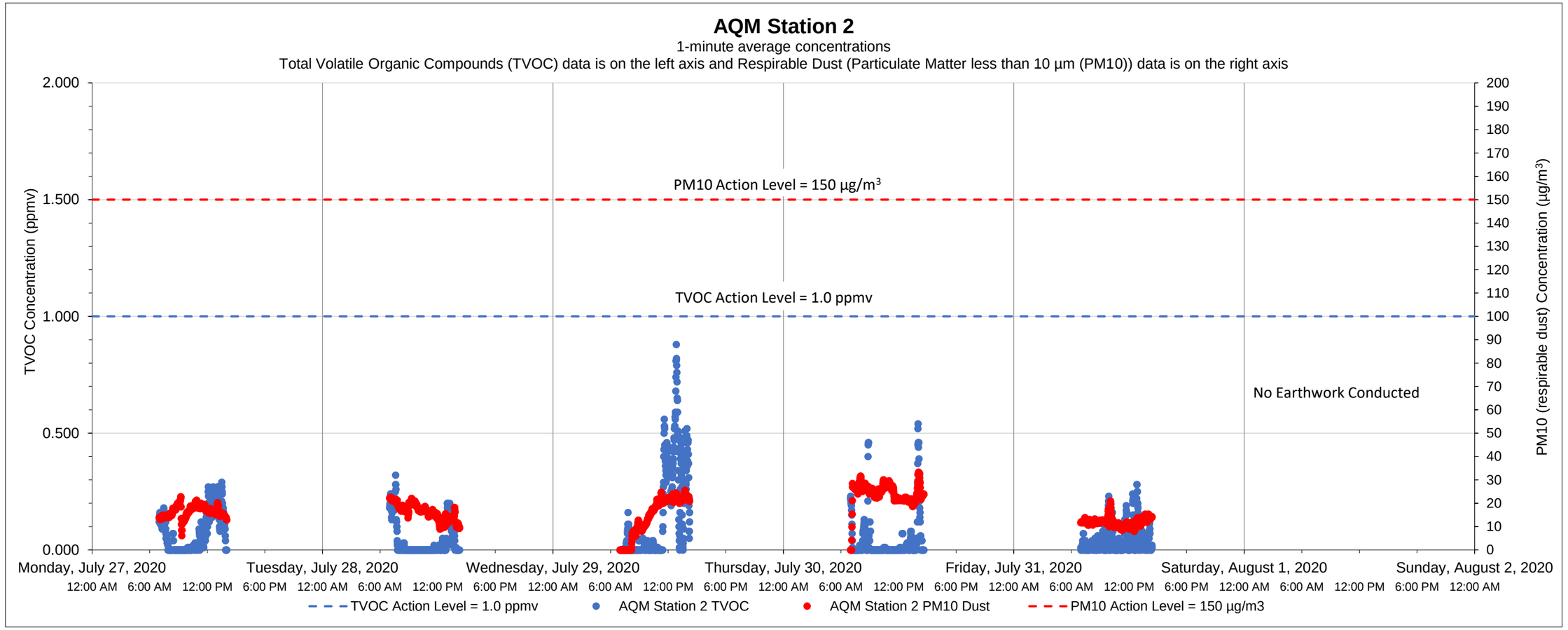
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
08/03/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.88	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.72	µg/m^3
PM10 maximum concentration	33.33	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

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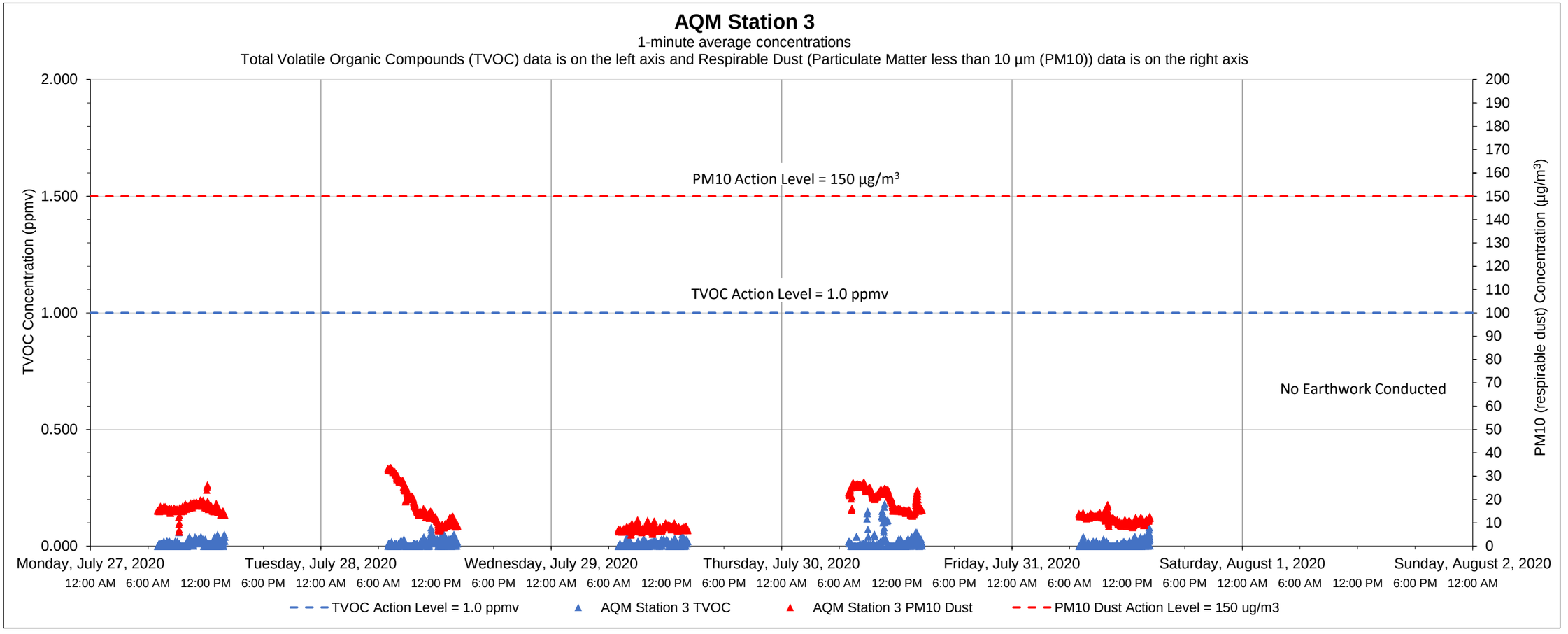

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.68	µg/m³
PM10 maximum concentration	33.63	µg/m³
PM10 action level	150	µg/m³

Notes:

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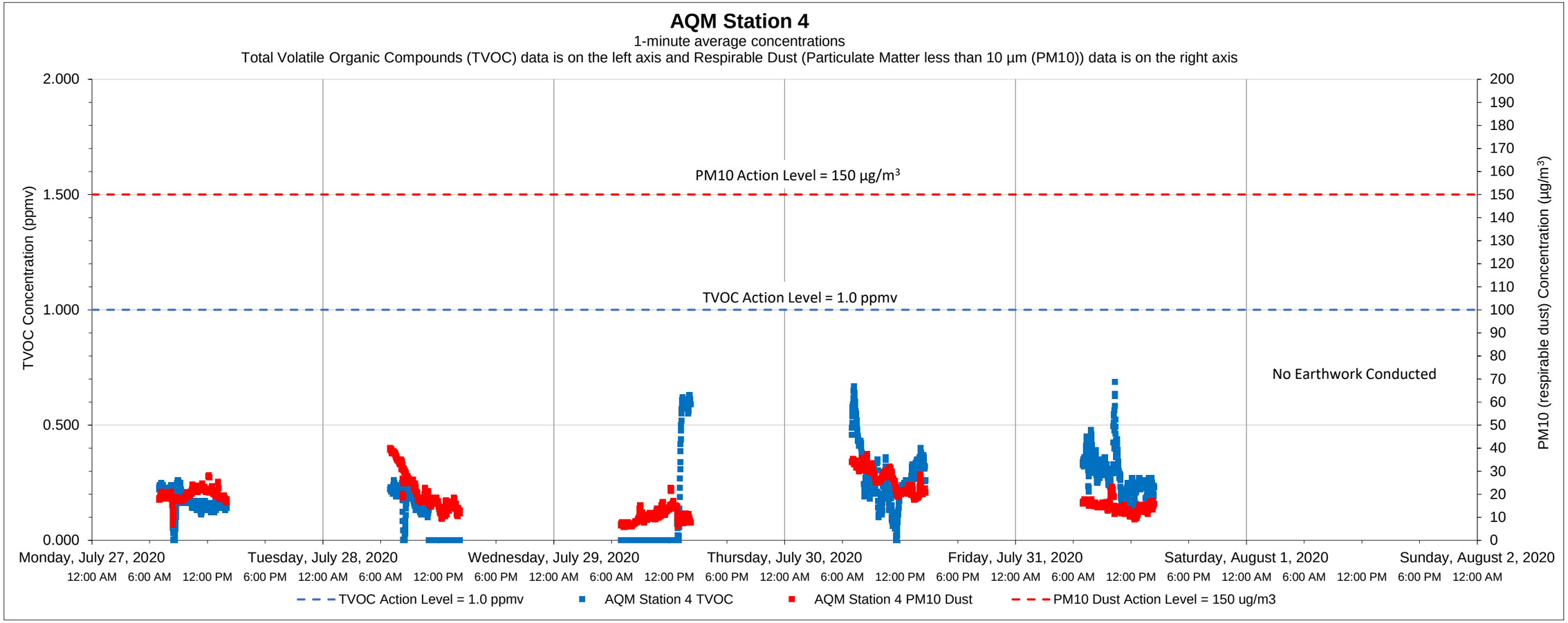

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.18	ppm
TVOCs maximum concentration	0.69	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.45	µg/m^3
PM10 maximum concentration	40.05	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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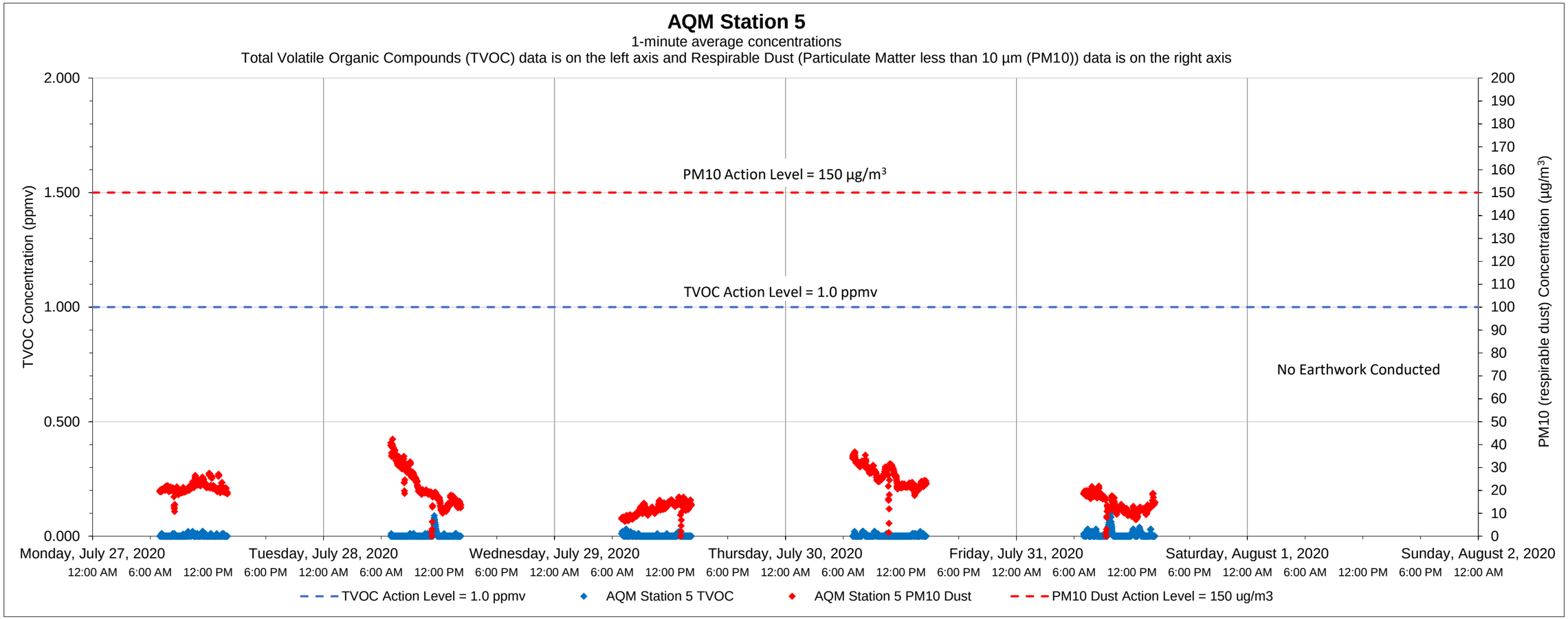

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.12	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.83	µg/m^3
PM10 maximum concentration	42.34	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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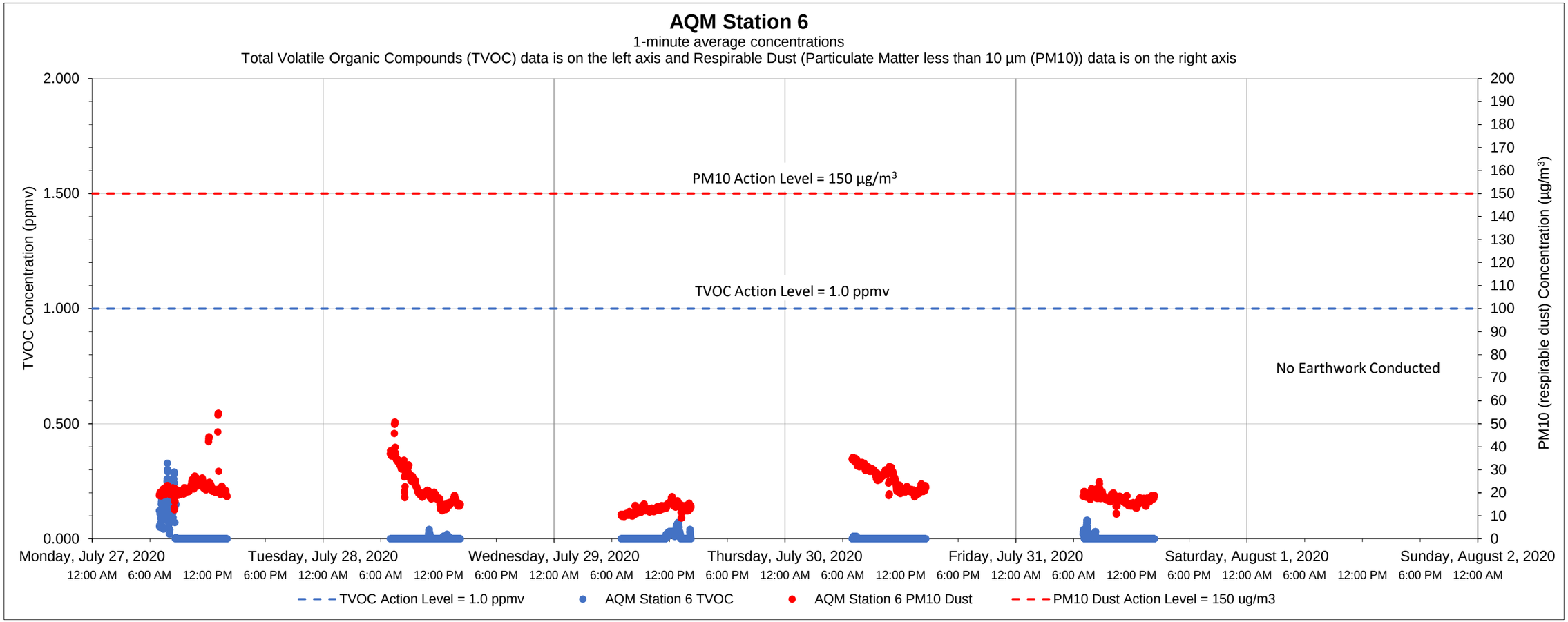

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.33	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.18	µg/m^3
PM10 maximum concentration	54.53	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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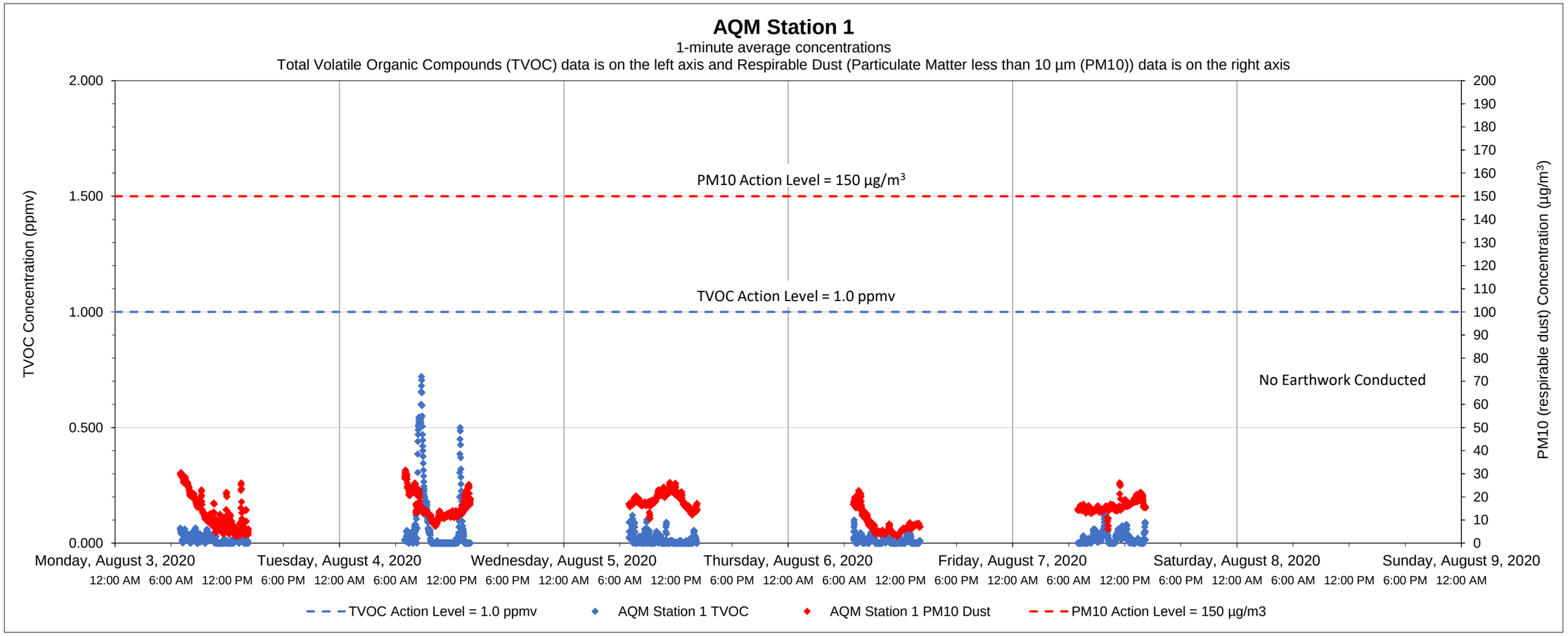
GZA Job No. 03.0033554.04
08/11/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.72	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.16	µg/m^3
PM10 maximum concentration	31.62	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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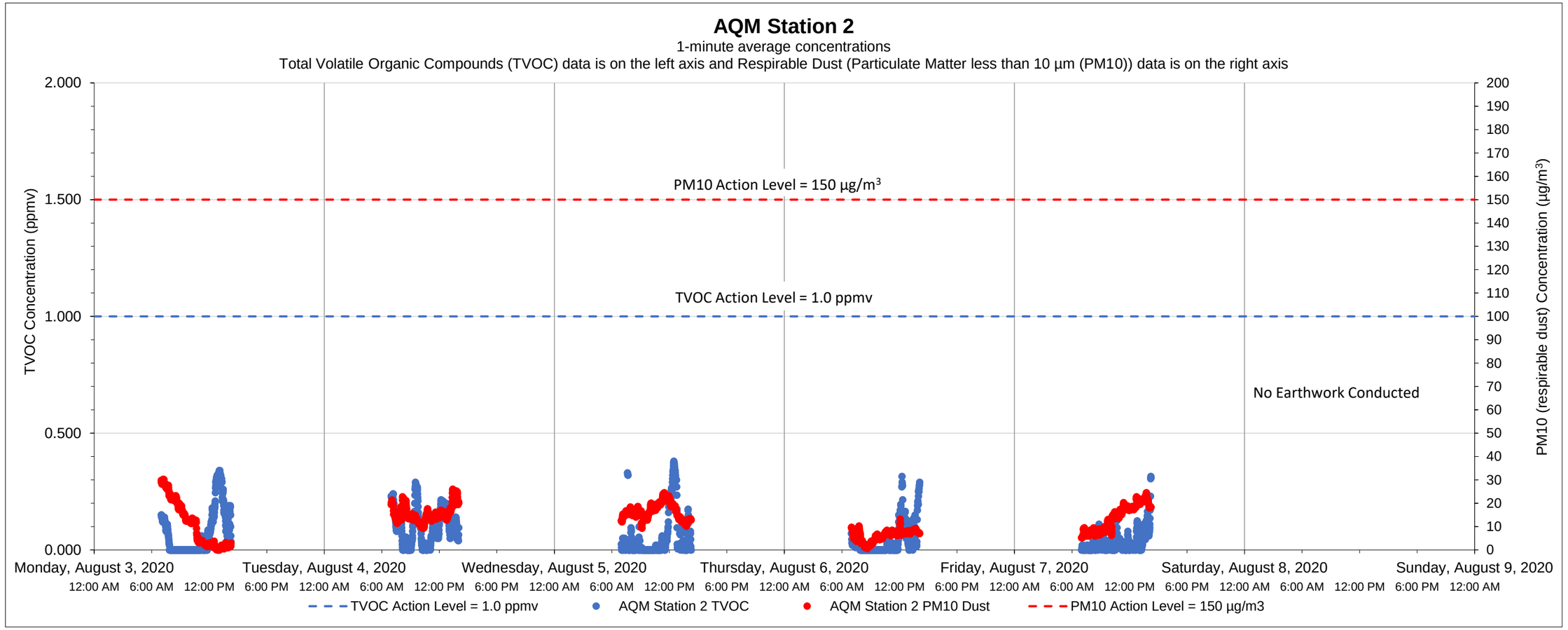

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.38	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.56	µg/m^3
PM10 maximum concentration	30.30	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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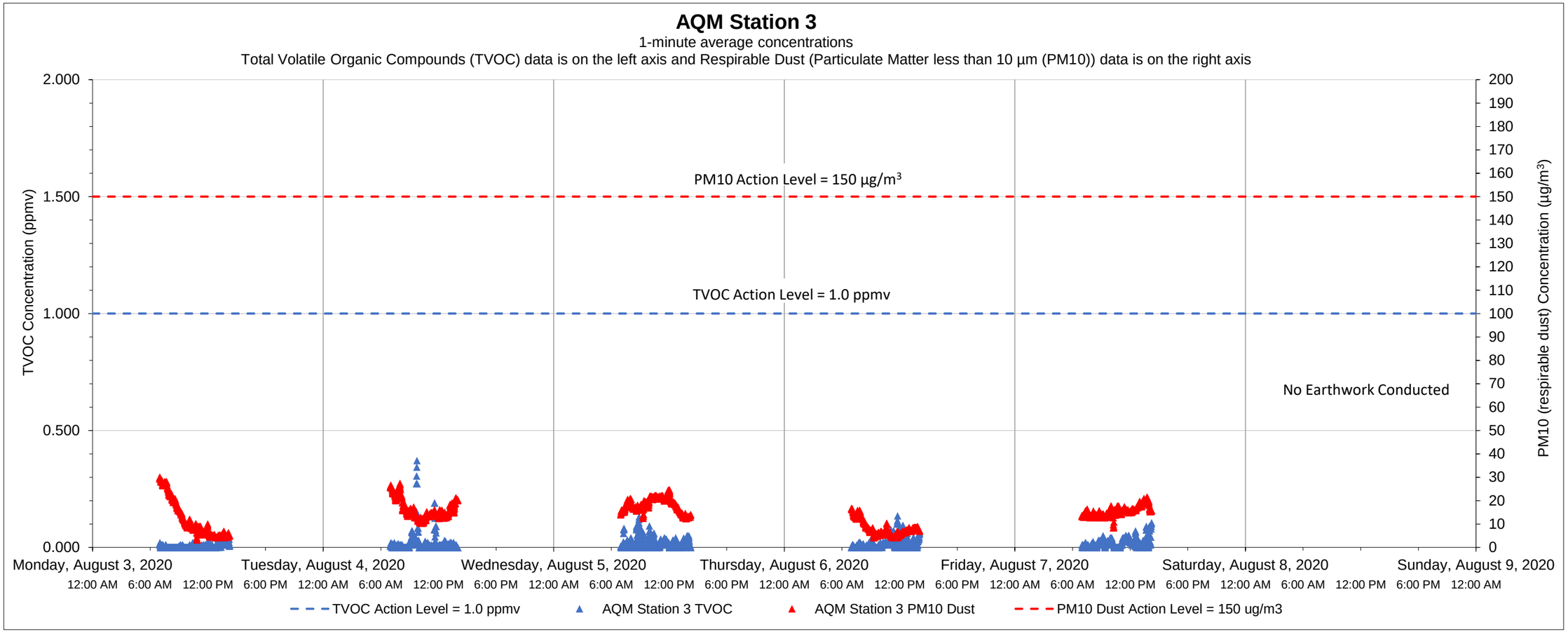

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.37	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.96	µg/m³
PM10 maximum concentration	30.03	µg/m³
PM10 action level	150	µg/m³

Notes:

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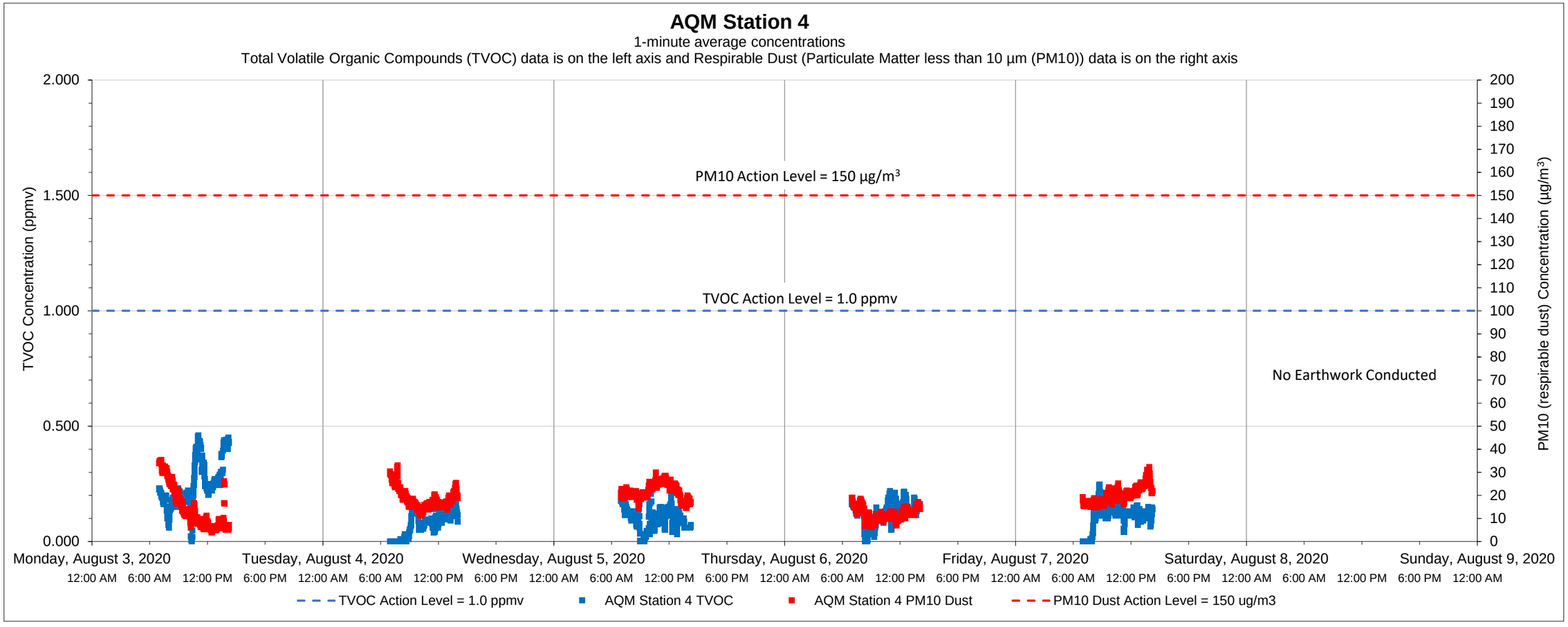

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.13	ppm
TVOCs maximum concentration	0.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.15	µg/m^3
PM10 maximum concentration	35.27	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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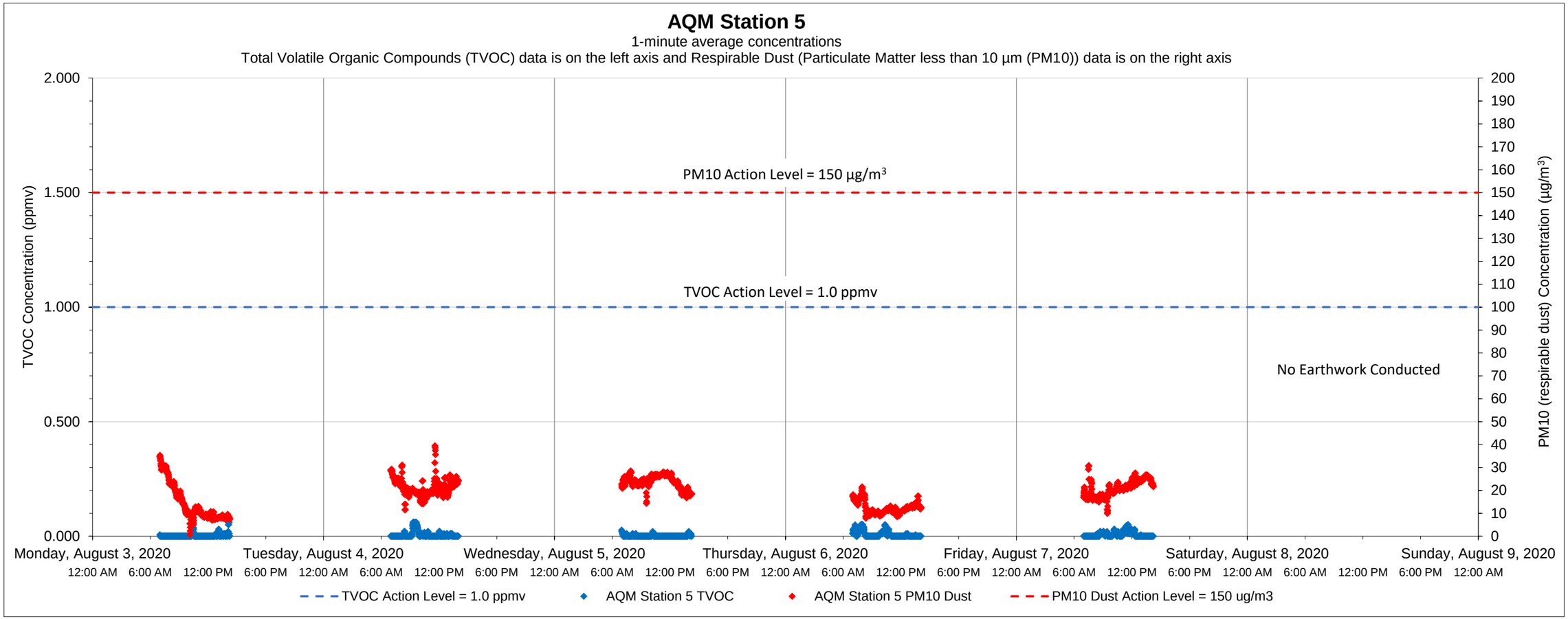

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.09	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.32	µg/m^3
PM10 maximum concentration	39.46	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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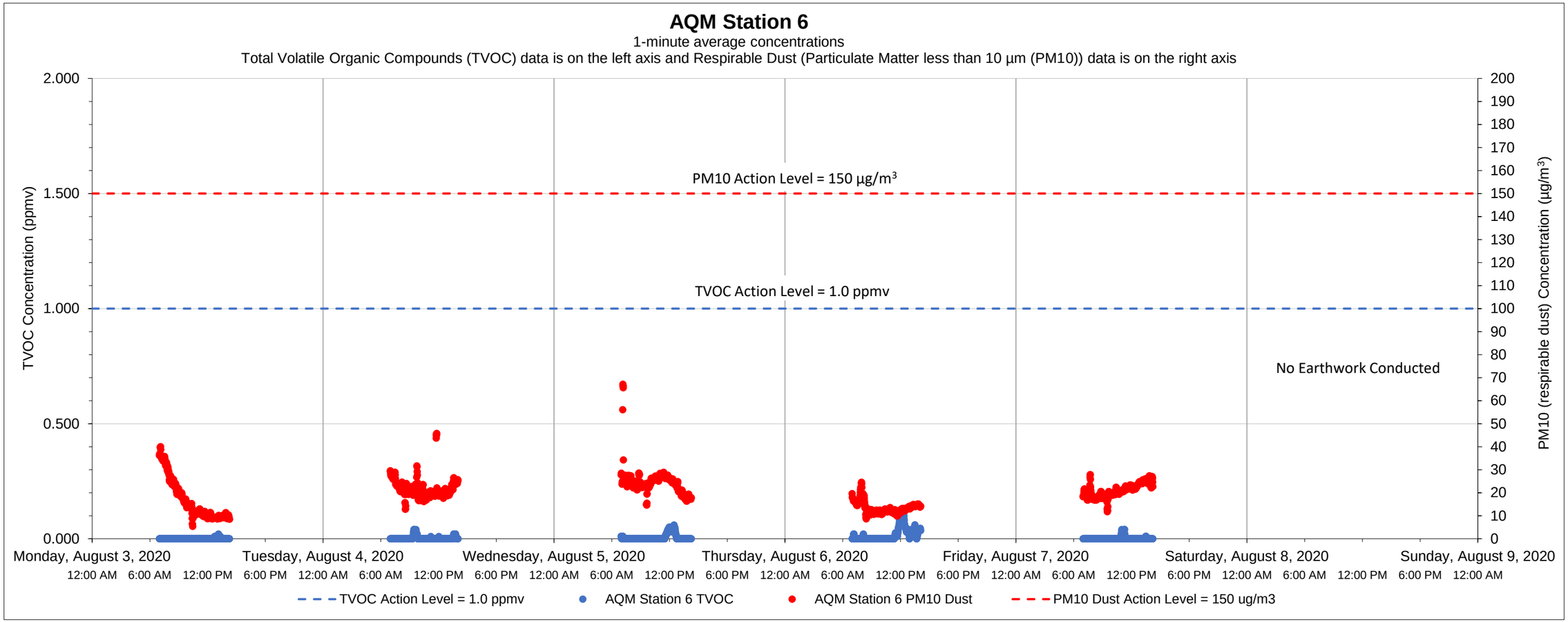

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.11	ppm
TVOCs action level	1	ppm
PM10 average concentration	19.27	µg/m^3
PM10 maximum concentration	67.07	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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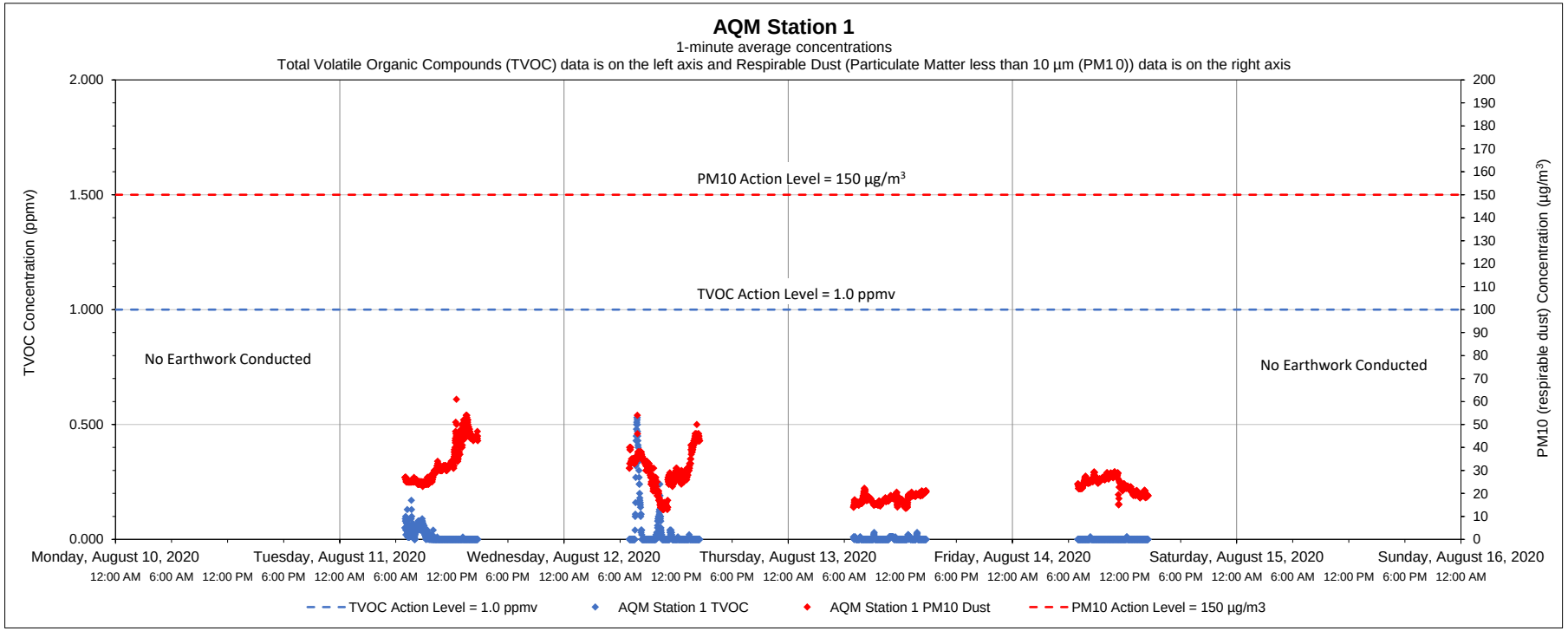

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.53	ppm
TVOCs action level	1	ppm
PM10 average concentration	26.04	µg/m^3
PM10 maximum concentration	61.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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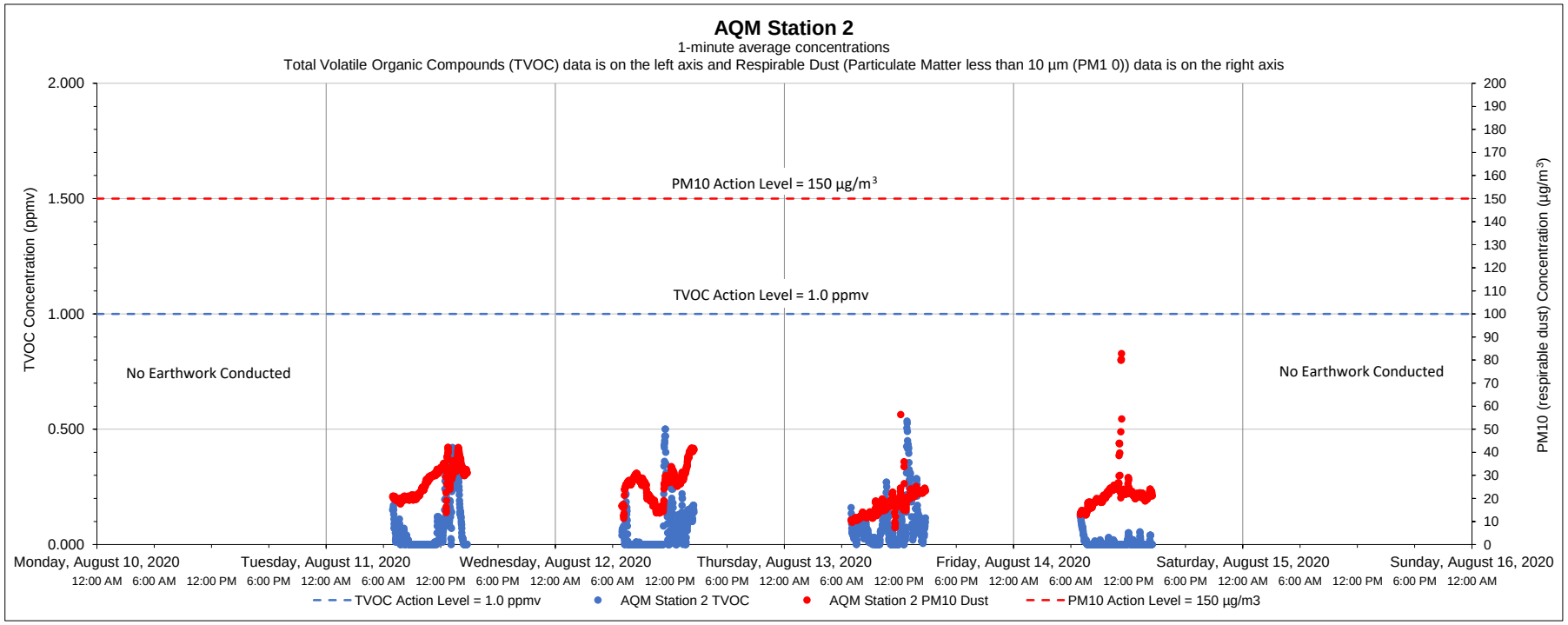

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.53	ppm
TVOCs action level	1	ppm
PM10 average concentration	22.87	µg/m³
PM10 maximum concentration	82.77	µg/m³
PM10 action level	150	µg/m³

Notes:

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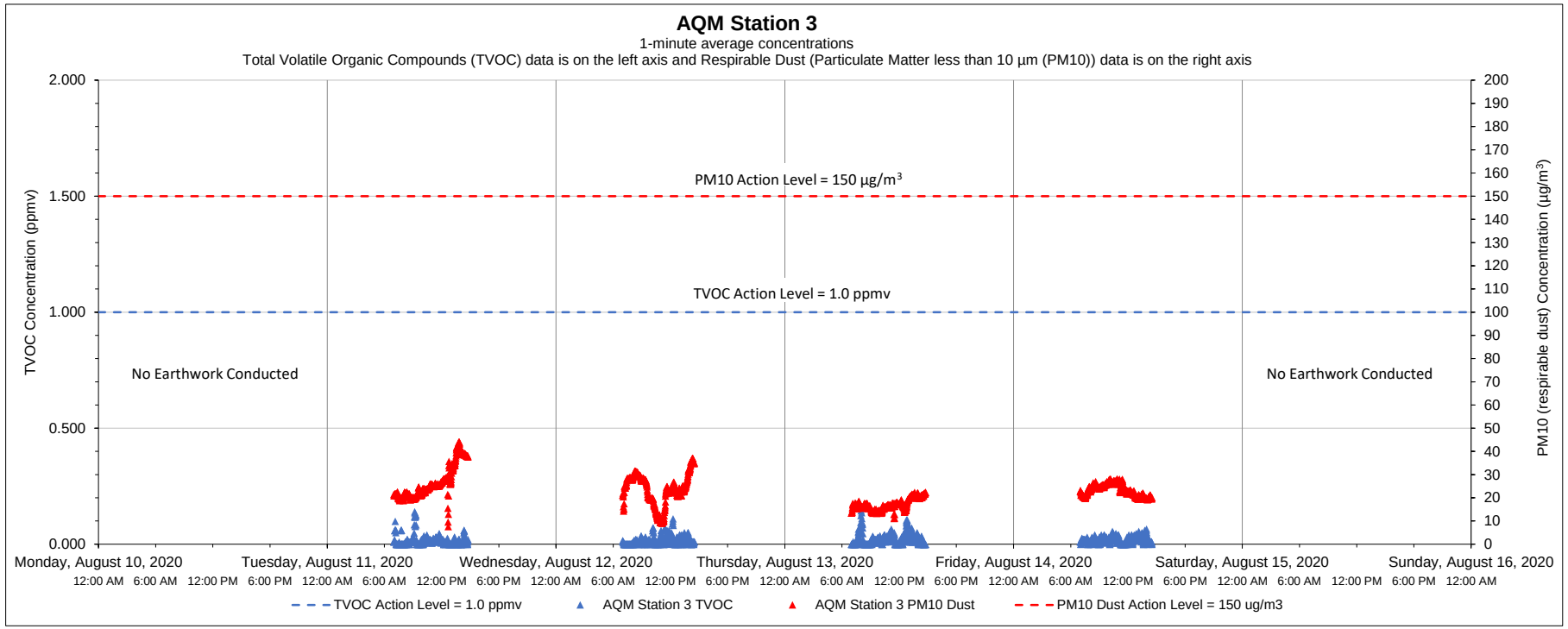

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.16	ppm
TVOCs action level	1	ppm
PM10 average concentration	22.71	µg/m^3
PM10 maximum concentration	44.04	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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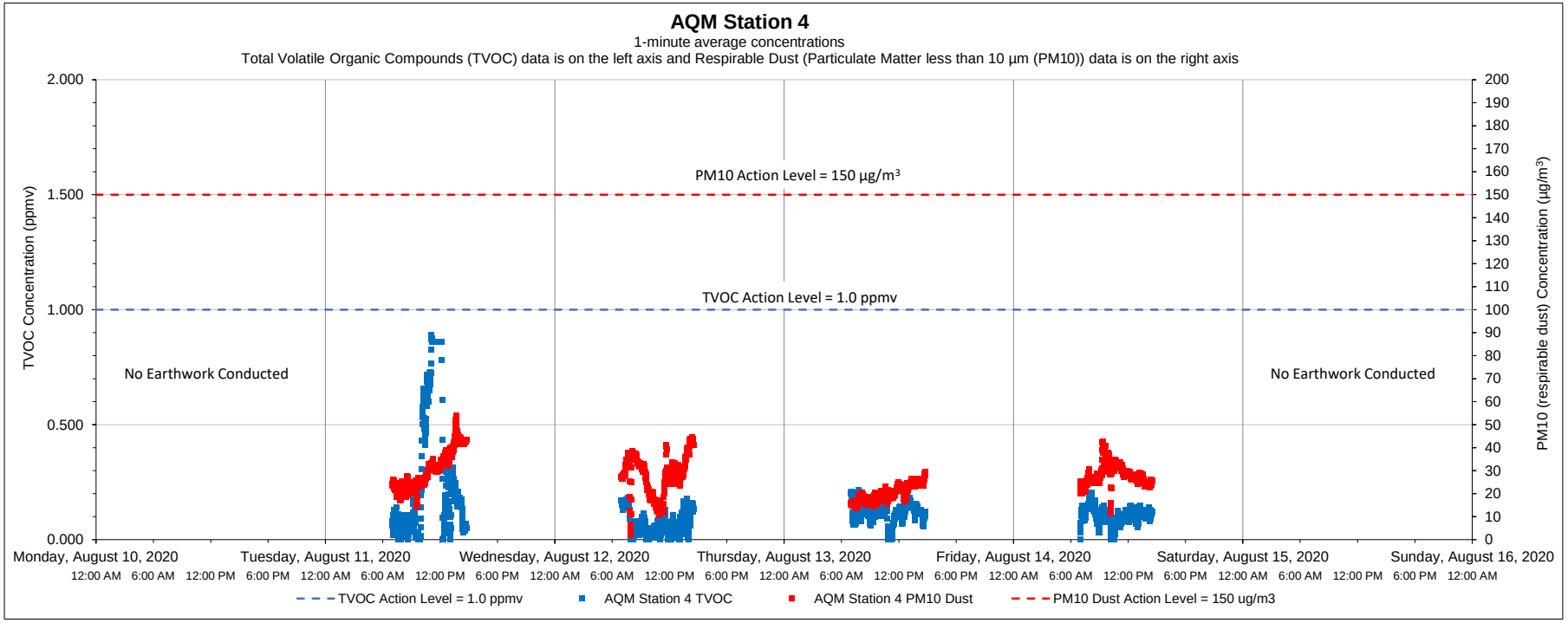

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.14	ppm
TVOCs maximum concentration	0.89	ppm
TVOCs action level	1	ppm
PM10 average concentration	26.50	µg/m³
PM10 maximum concentration	53.87	µg/m³
PM10 action level	150	µg/m³

Notes:

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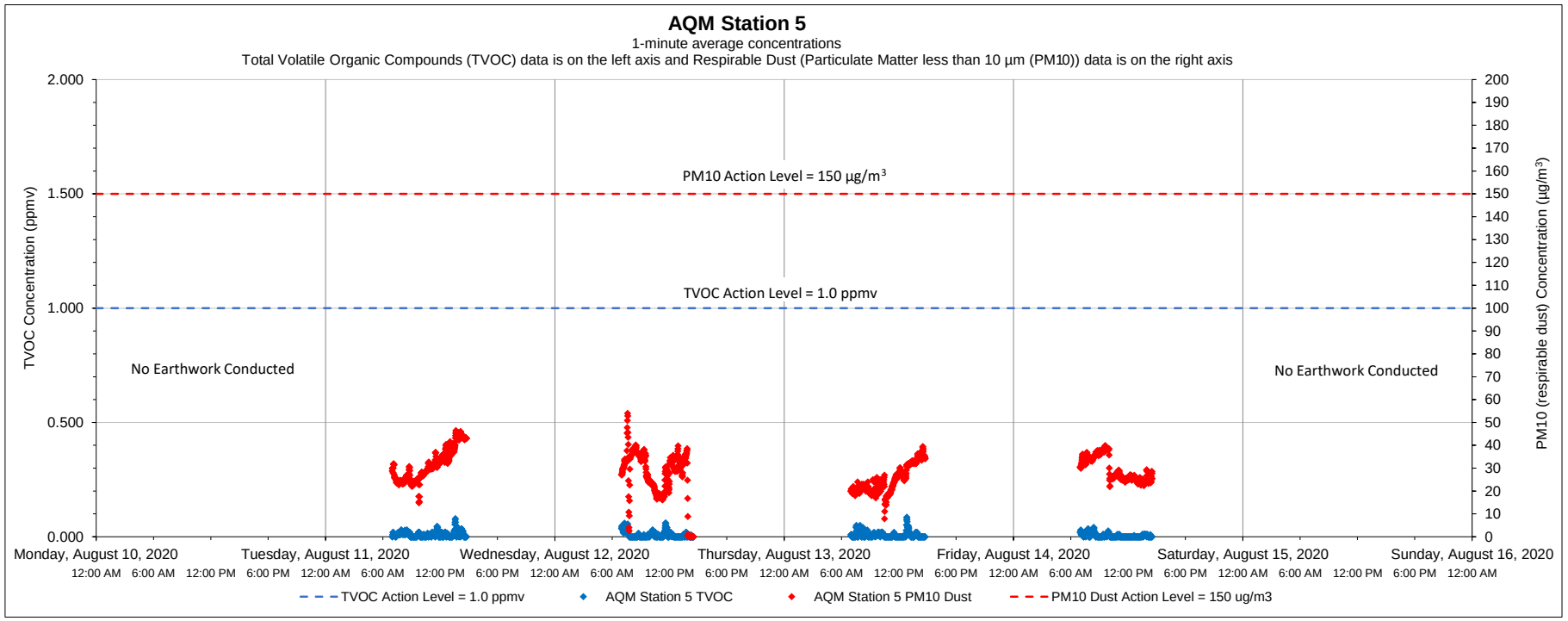

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.09	ppm
TVOCs action level	1	ppm
PM10 average concentration	28.21	µg/m³
PM10 maximum concentration	54.01	µg/m³
PM10 action level	150	µg/m³

Notes:

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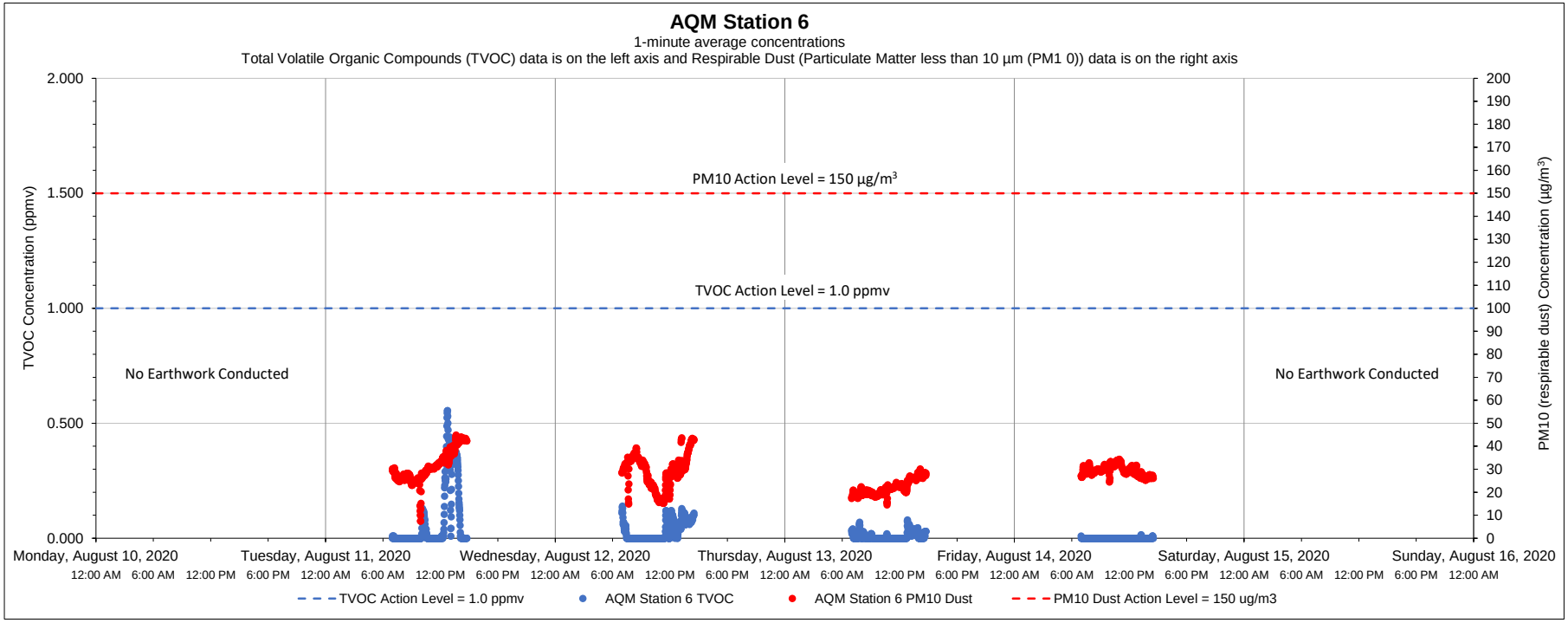

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.56	ppm
TVOCs action level	1	ppm
PM10 average concentration	27.90	µg/m^3
PM10 maximum concentration	44.89	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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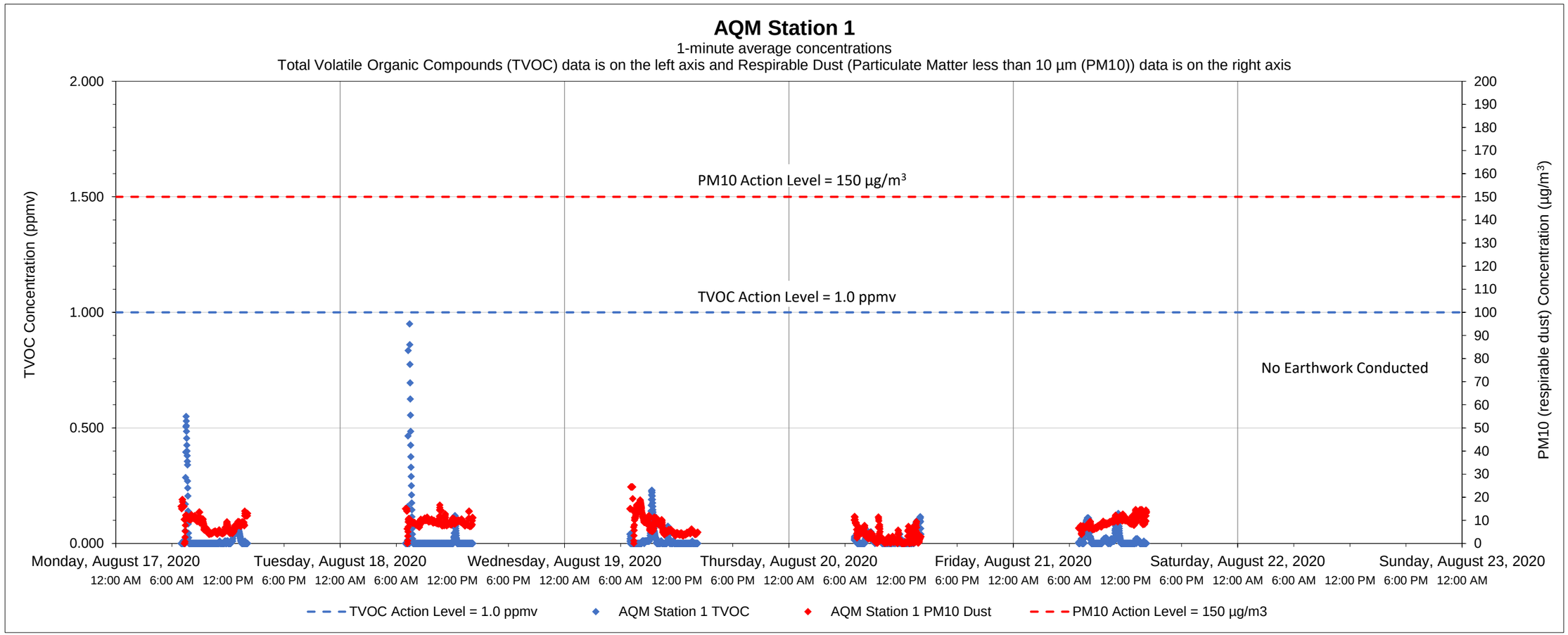
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
08/24/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.95	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.40	µg/m^3
PM10 maximum concentration	24.48	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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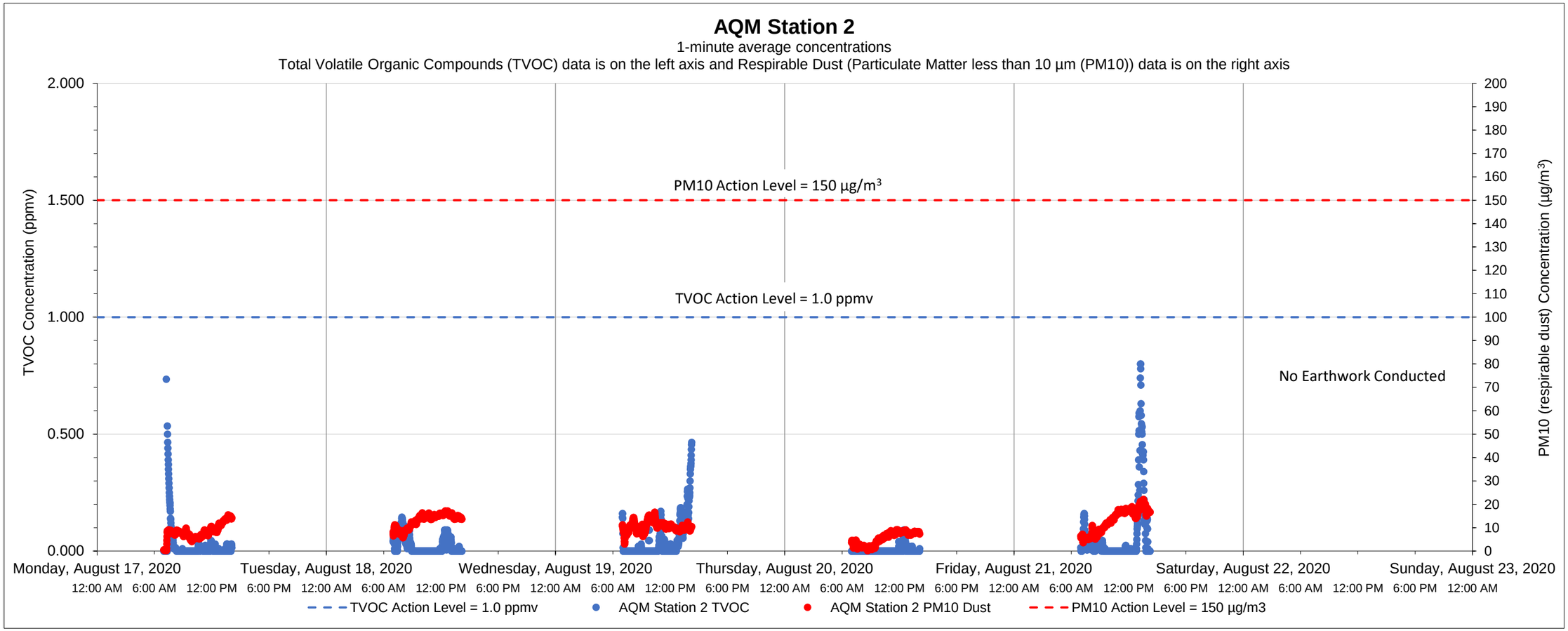

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.80	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.05	µg/m^3
PM10 maximum concentration	22.13	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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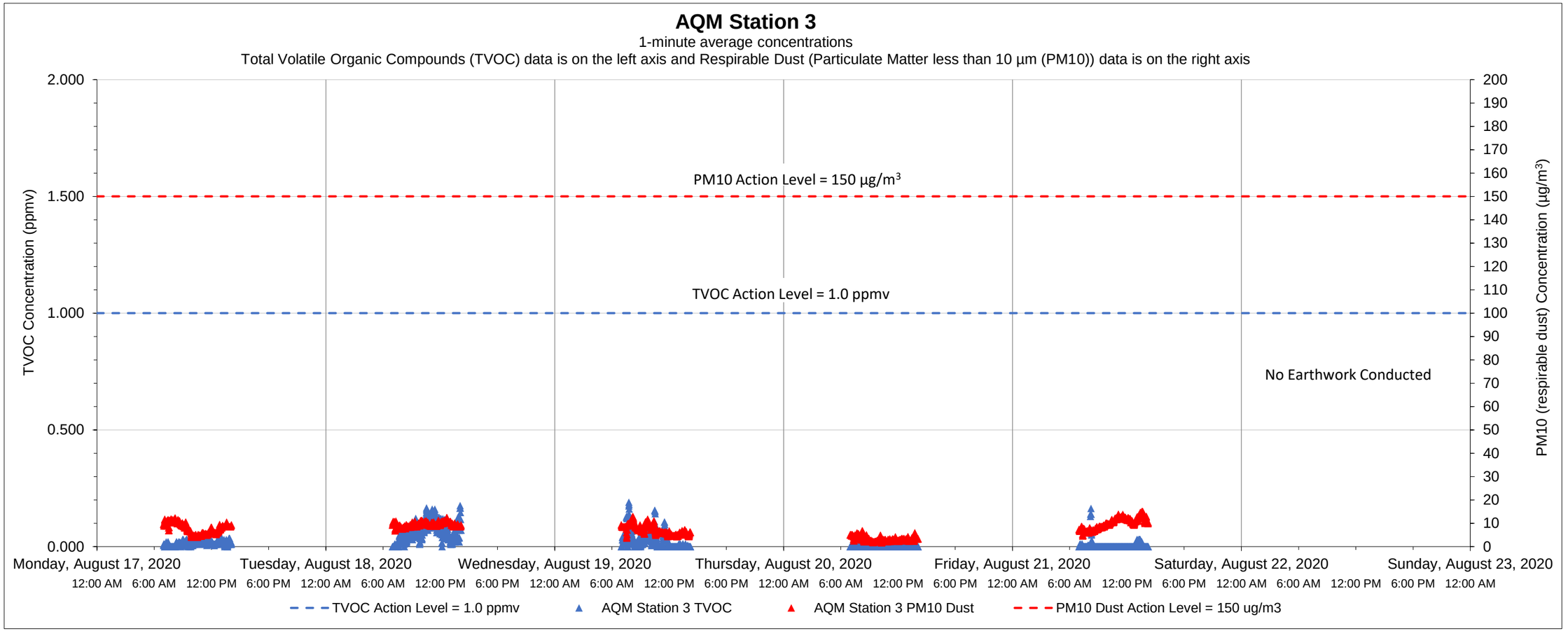

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.54	µg/m^3
PM10 maximum concentration	14.98	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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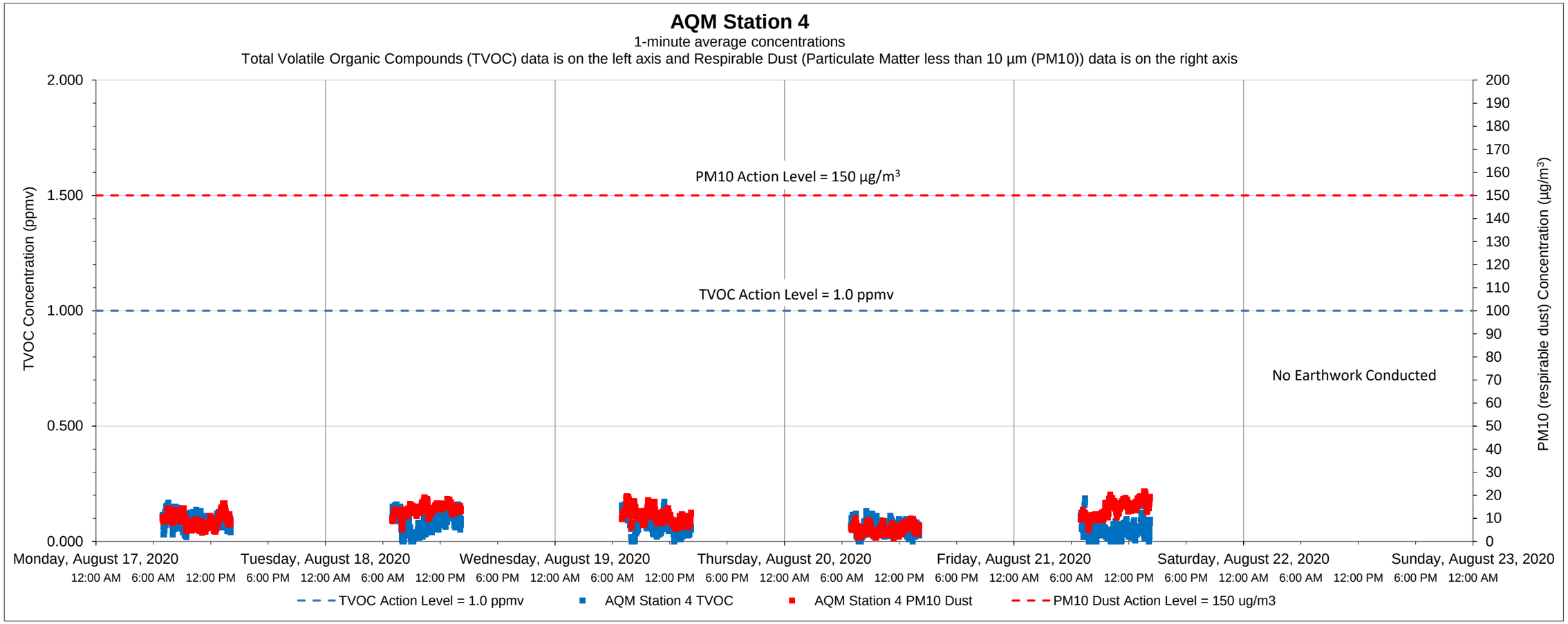

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.64	µg/m^3
PM10 maximum concentration	21.68	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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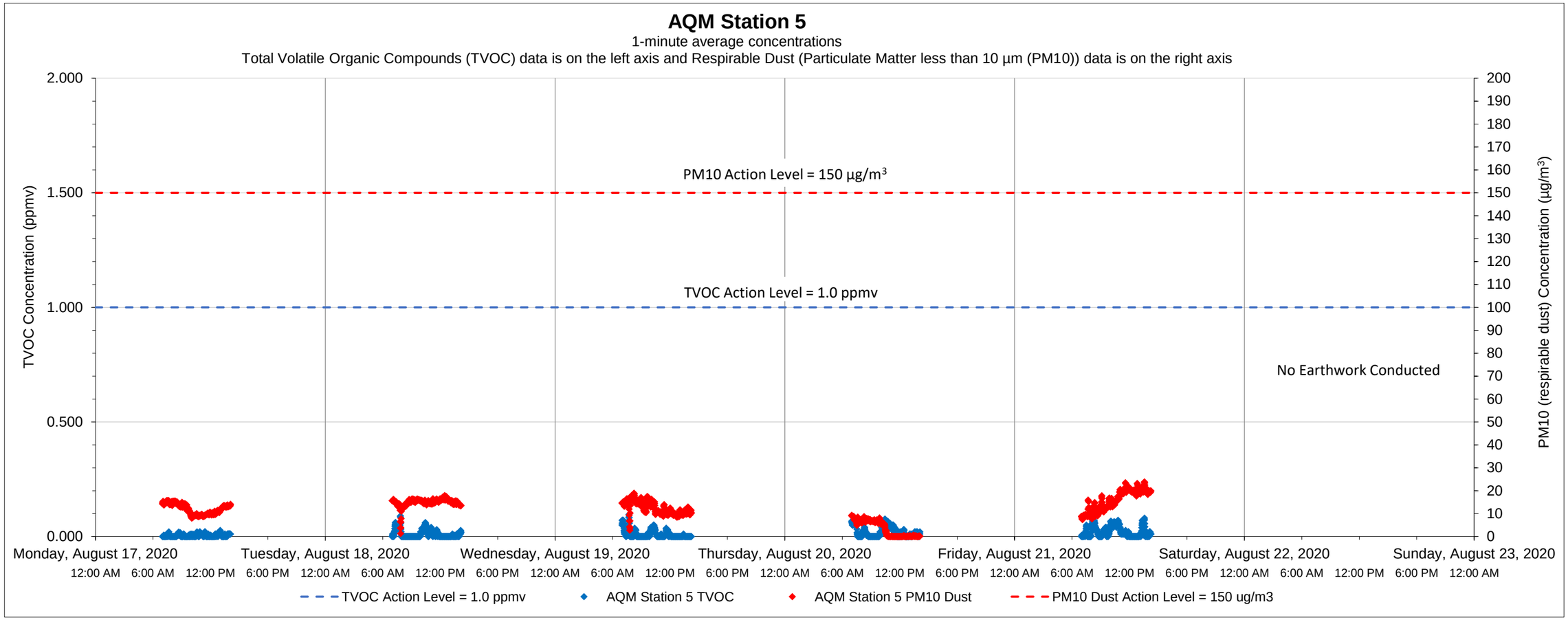

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.63	µg/m^3
PM10 maximum concentration	23.77	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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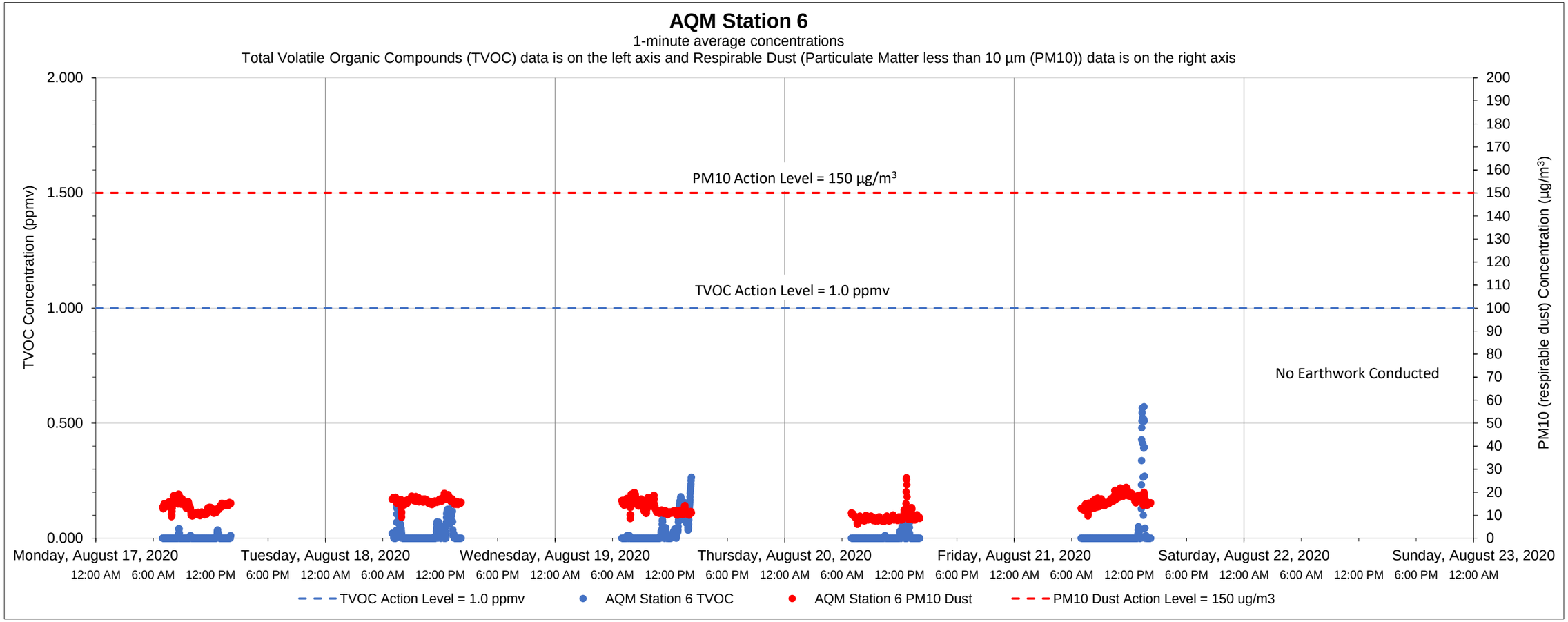

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.57	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.55	µg/m³
PM10 maximum concentration	26.29	µg/m³
PM10 action level	150	µg/m³

Notes:

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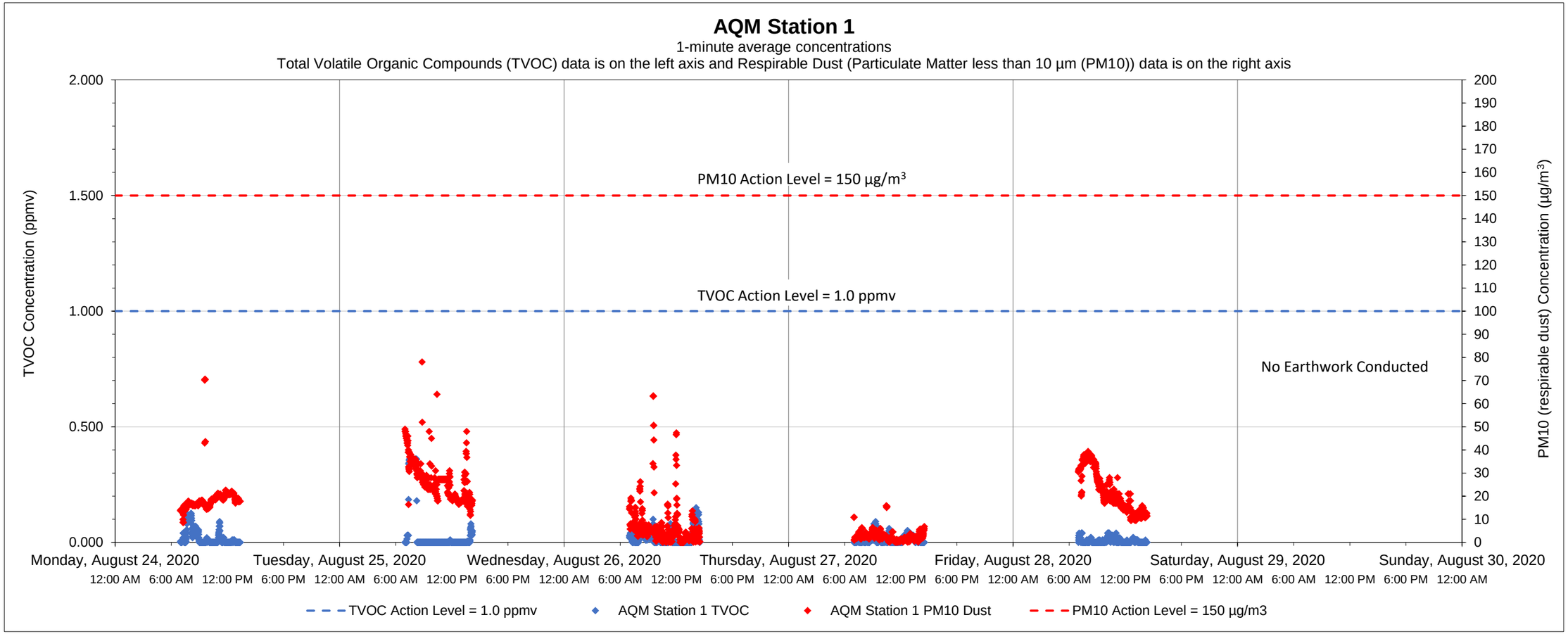

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.36	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.69	µg/m^3
PM10 maximum concentration	78.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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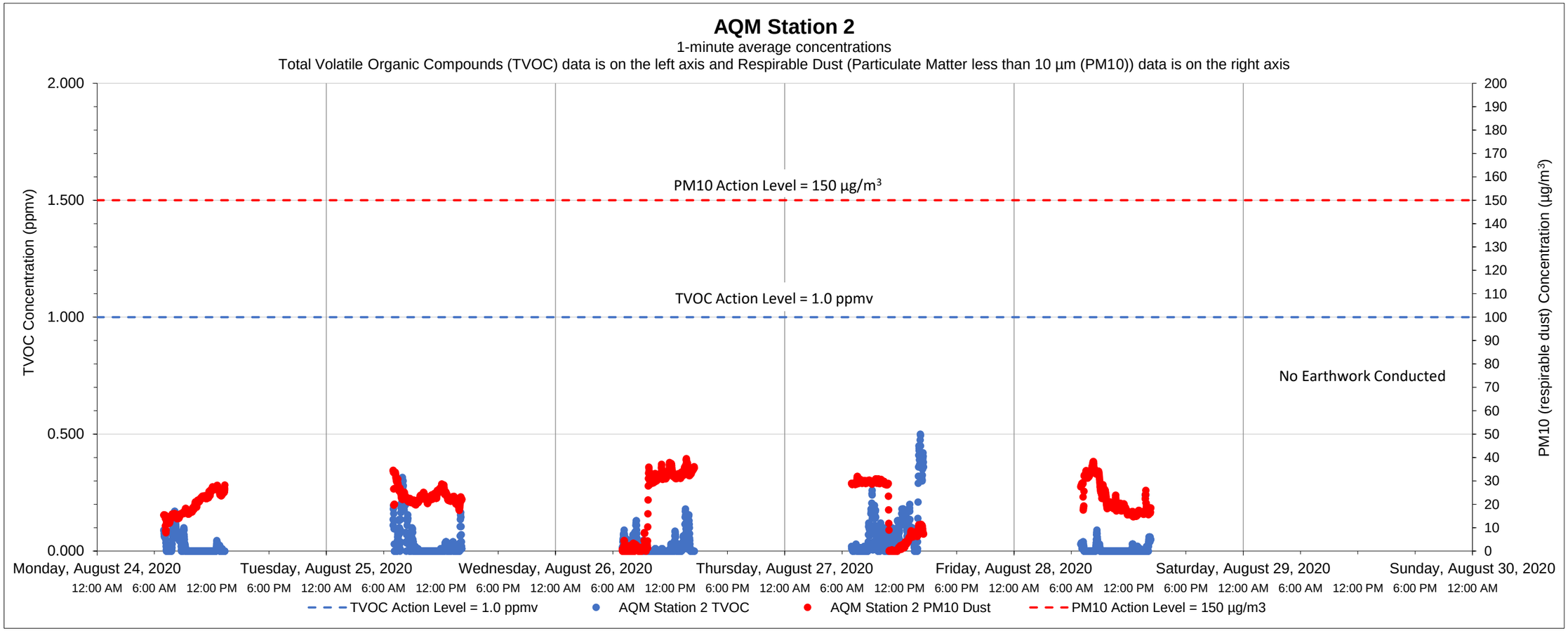

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.50	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.88	µg/m^3
PM10 maximum concentration	39.55	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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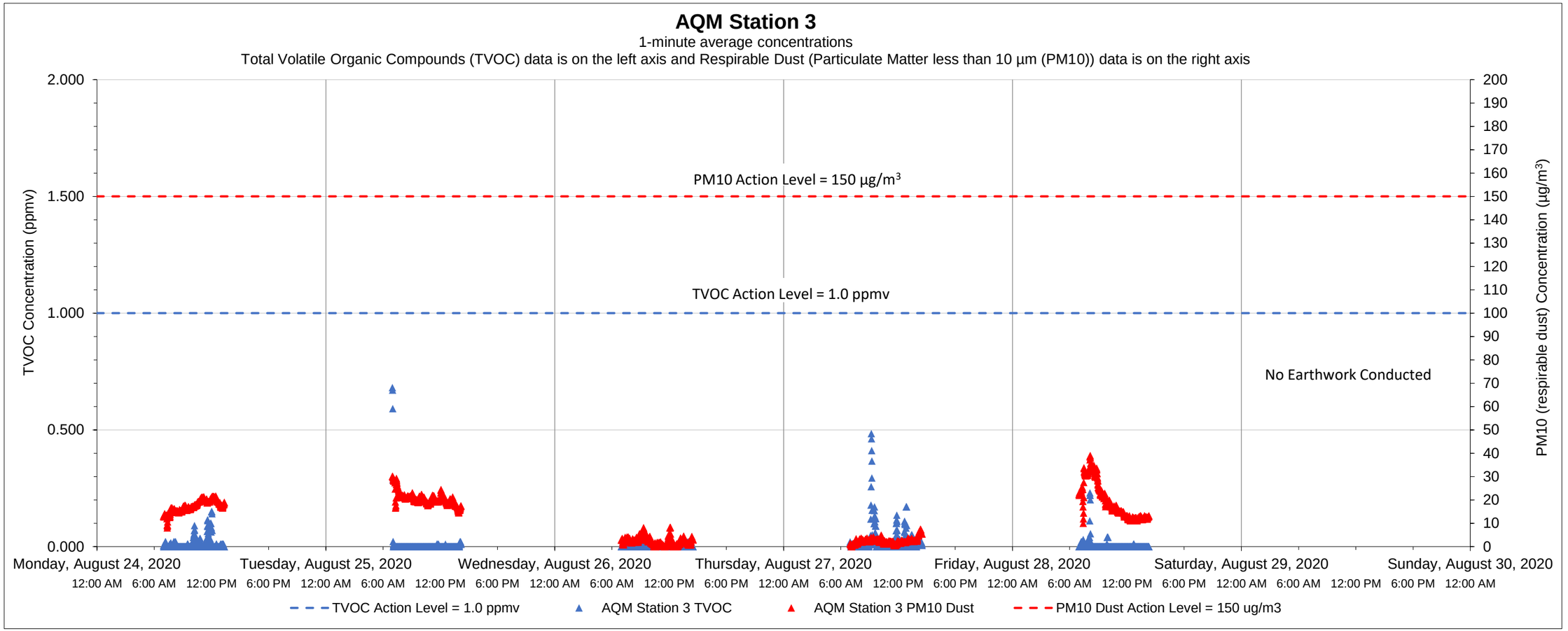

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.68	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.11	µg/m^3
PM10 maximum concentration	38.94	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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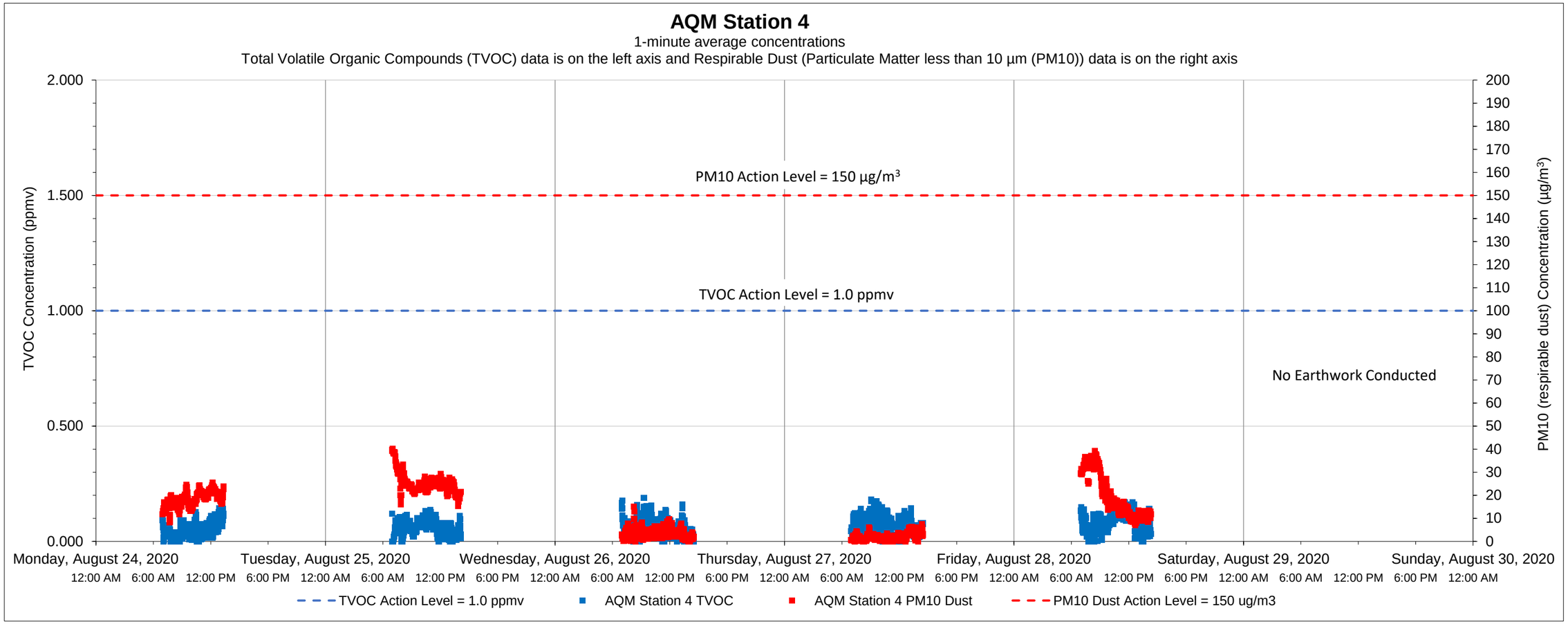

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.34	µg/m^3
PM10 maximum concentration	40.06	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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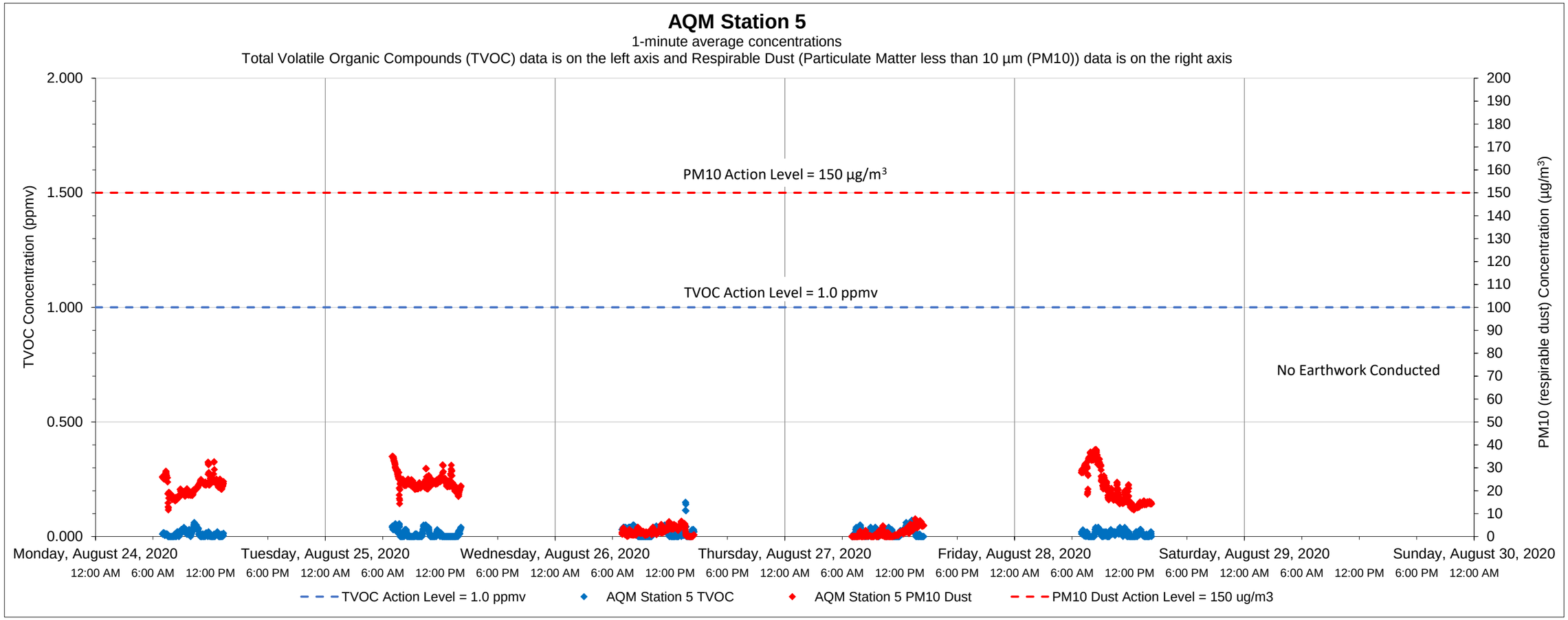

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.15	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.62	µg/m³
PM10 maximum concentration	37.97	µg/m³
PM10 action level	150	µg/m³

Notes:
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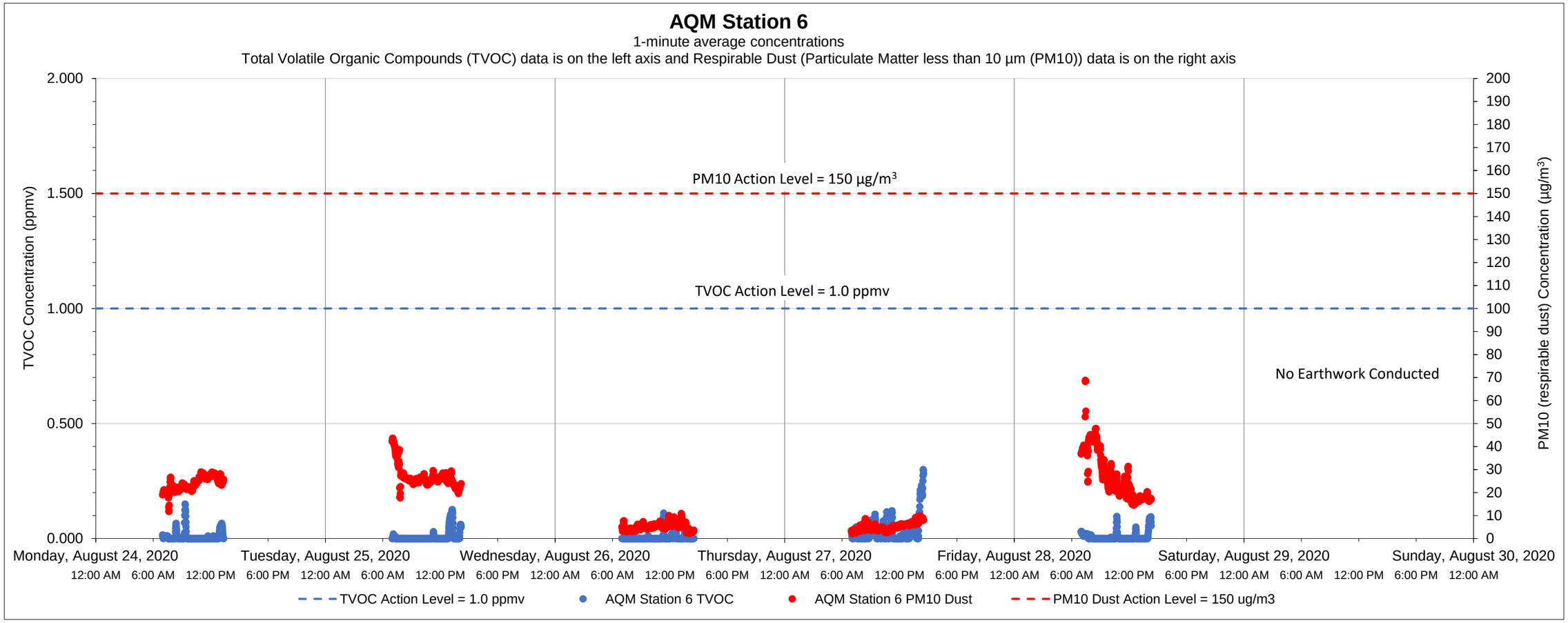

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.15	µg/m³
PM10 maximum concentration	68.73	µg/m³
PM10 action level	150	µg/m³

Notes:

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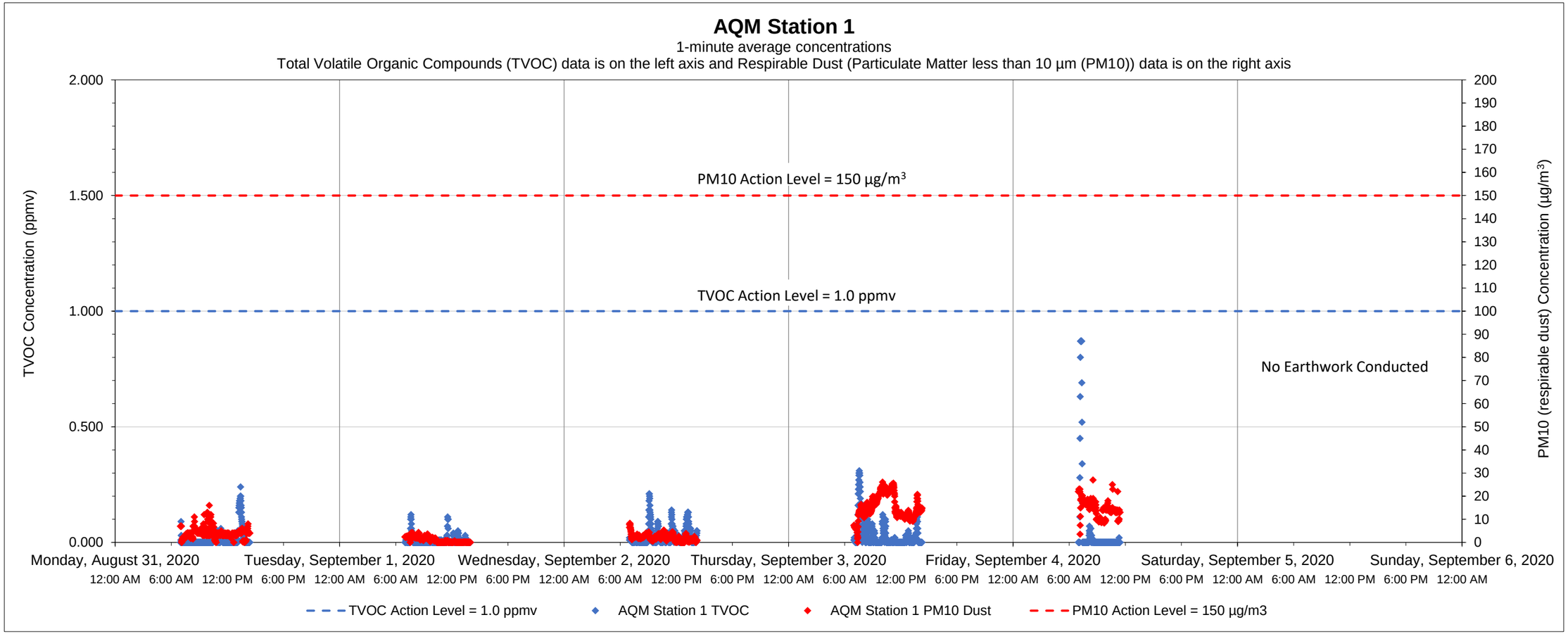

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.87	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.75	µg/m^3
PM10 maximum concentration	27.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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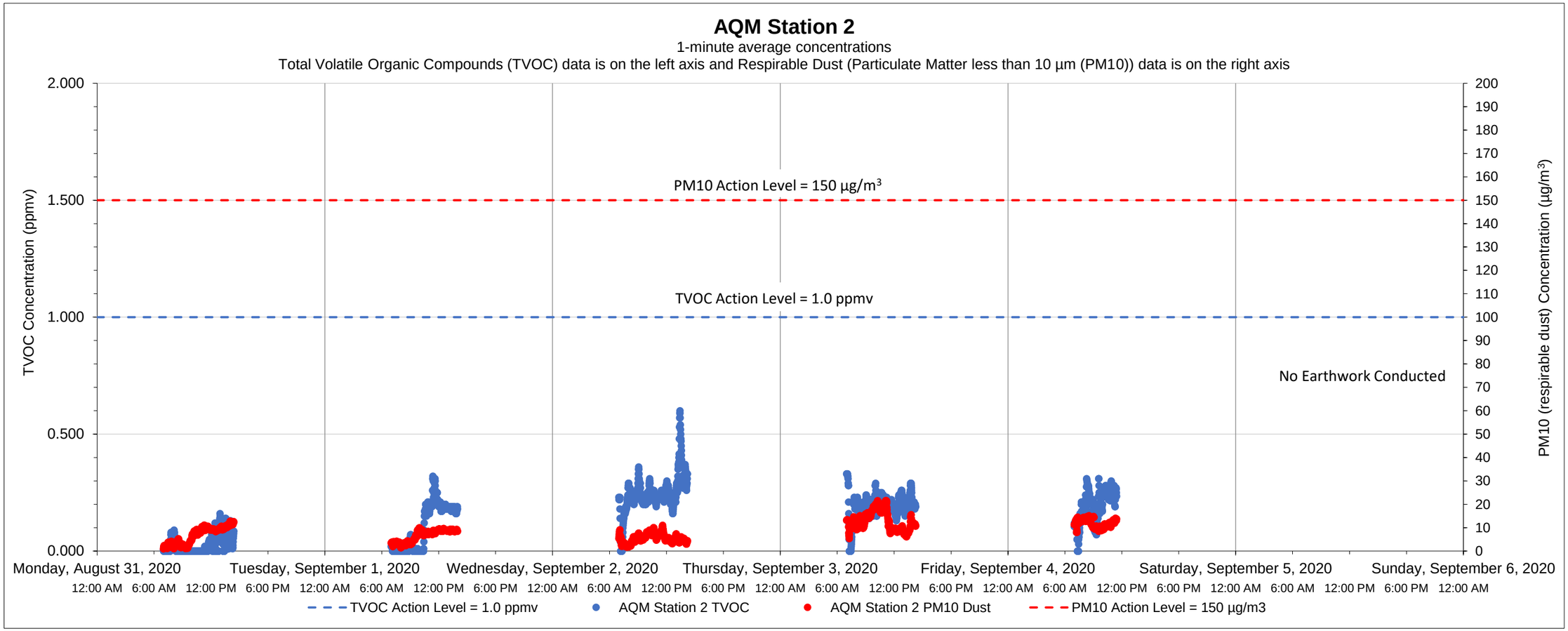

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.15	ppm
TVOCs maximum concentration	0.60	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.37	µg/m^3
PM10 maximum concentration	21.64	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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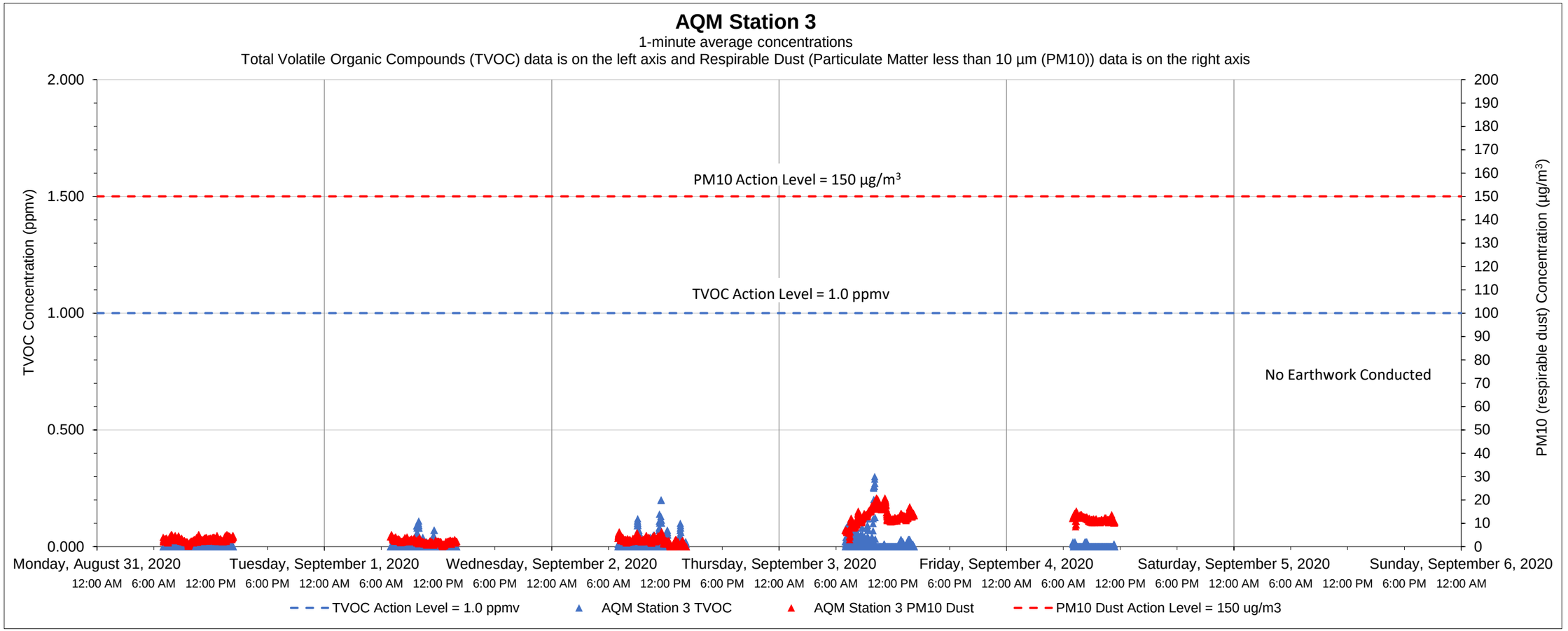

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.13	µg/m^3
PM10 maximum concentration	20.80	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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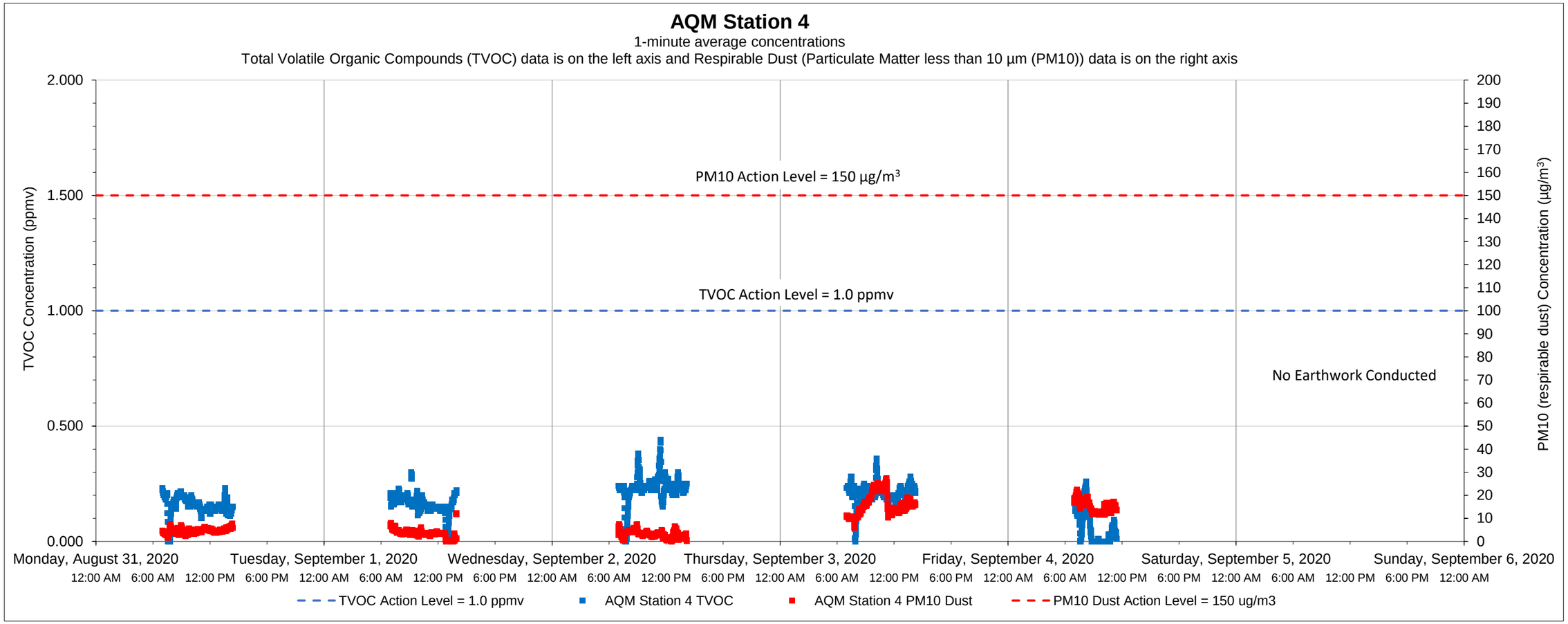

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.17	ppm
TVOCs maximum concentration	0.44	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.86	µg/m^3
PM10 maximum concentration	27.31	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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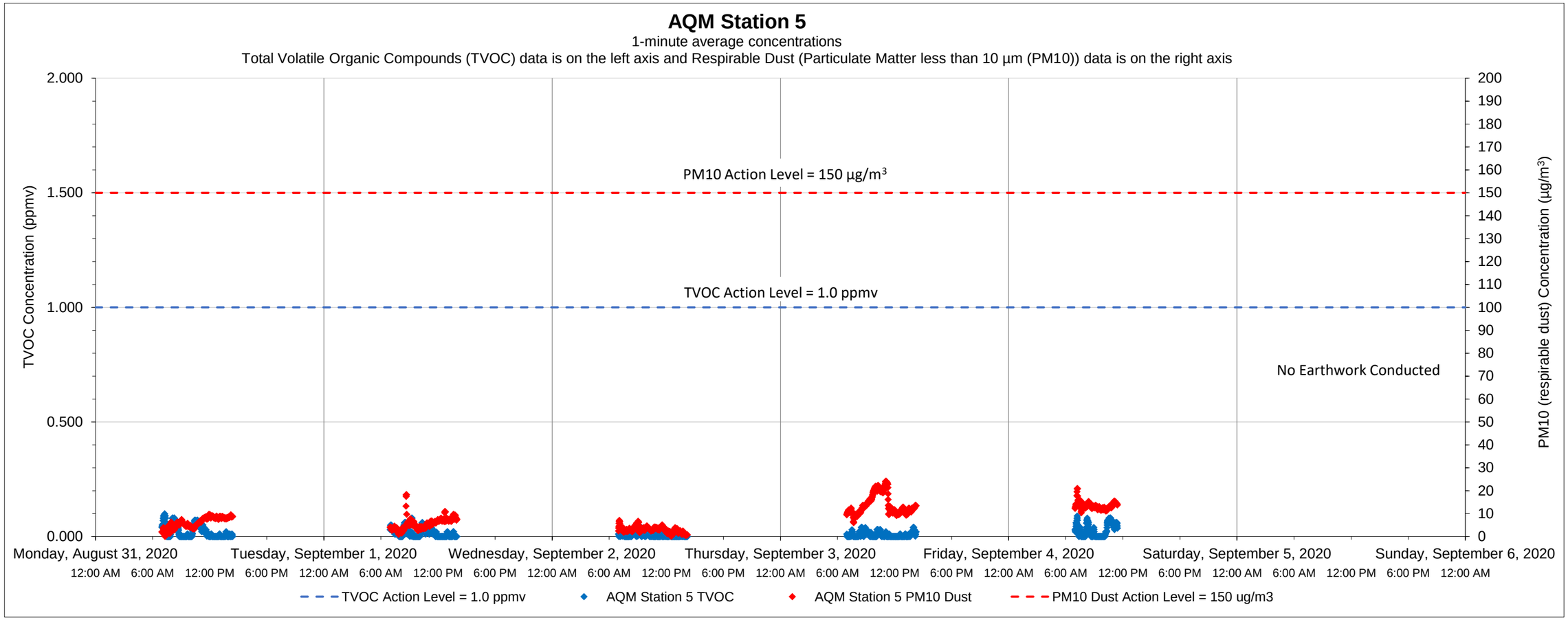

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.86	µg/m³
PM10 maximum concentration	24.14	µg/m³
PM10 action level	150	µg/m³

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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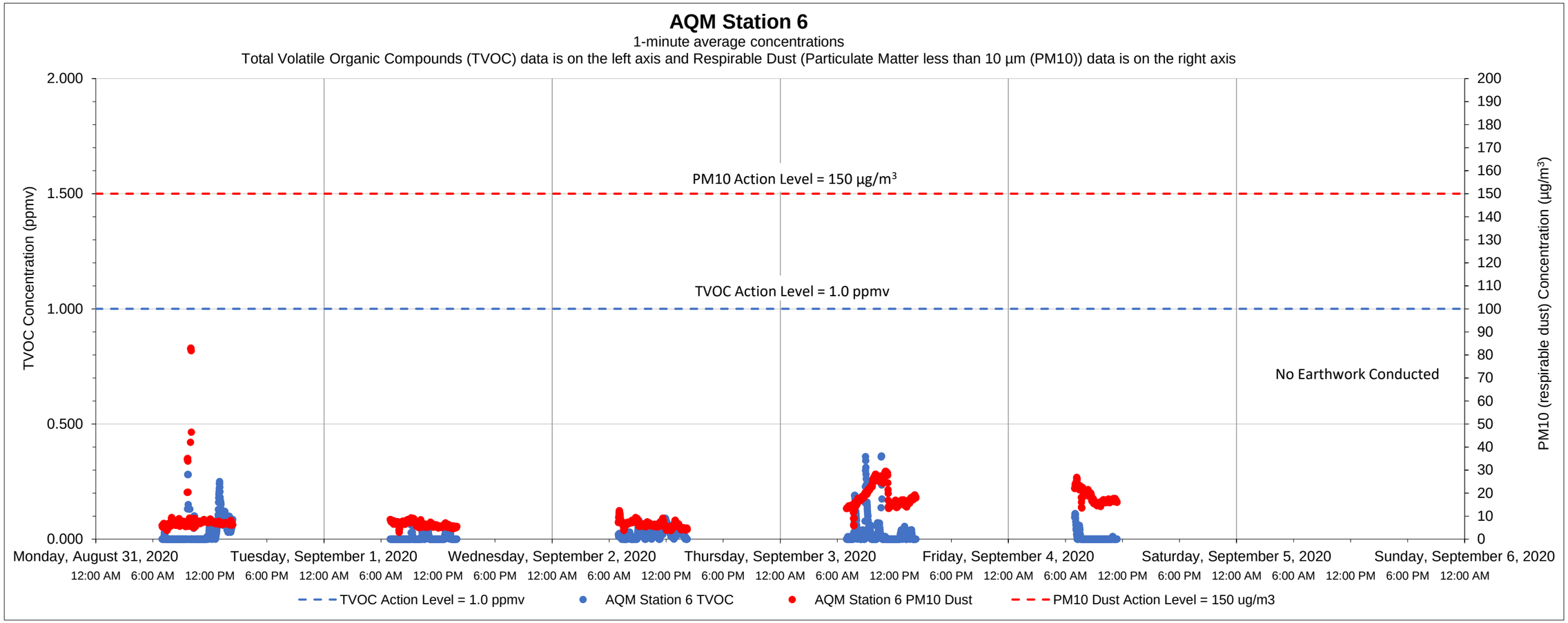
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
09/08/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.36	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.94	µg/m^3
PM10 maximum concentration	82.89	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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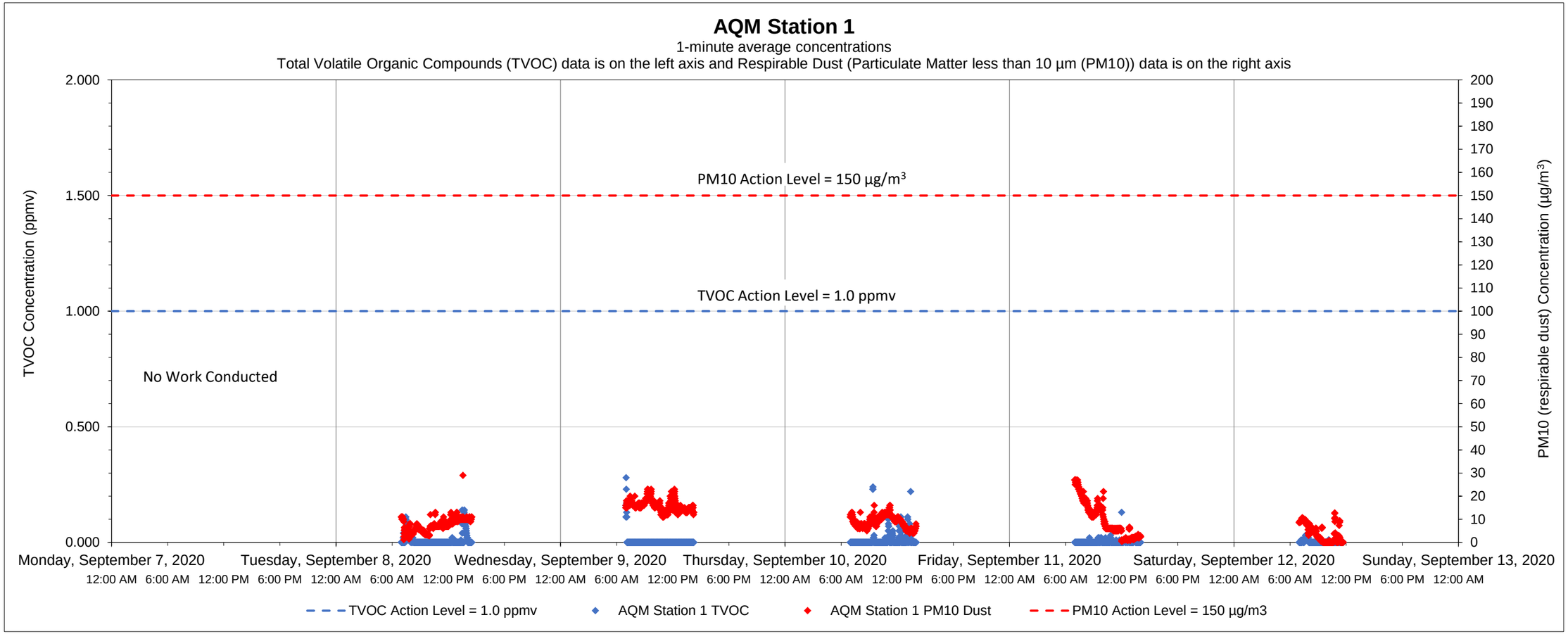
GZA Job No. 03.0033554.04
09/14/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.28	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.45	µg/m^3
PM10 maximum concentration	29.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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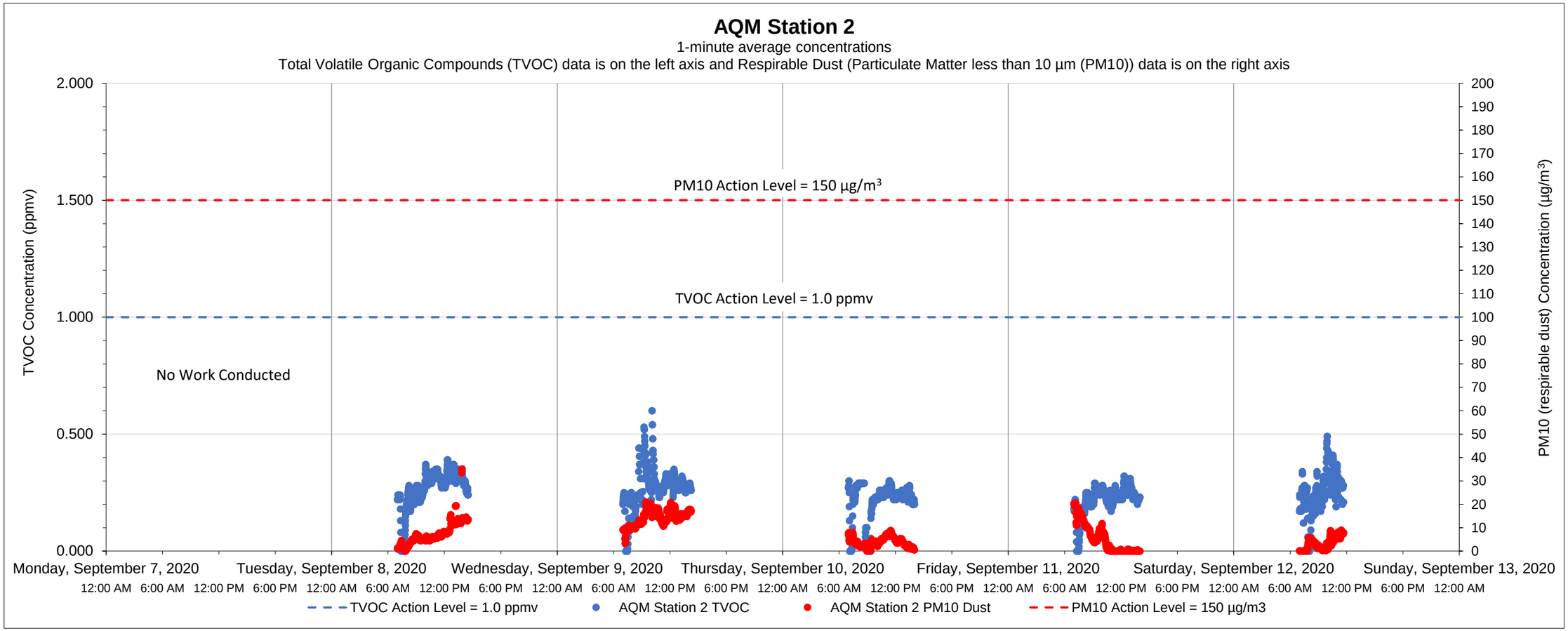

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.24	ppm
TVOCs maximum concentration	0.60	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.05	µg/m^3
PM10 maximum concentration	35.13	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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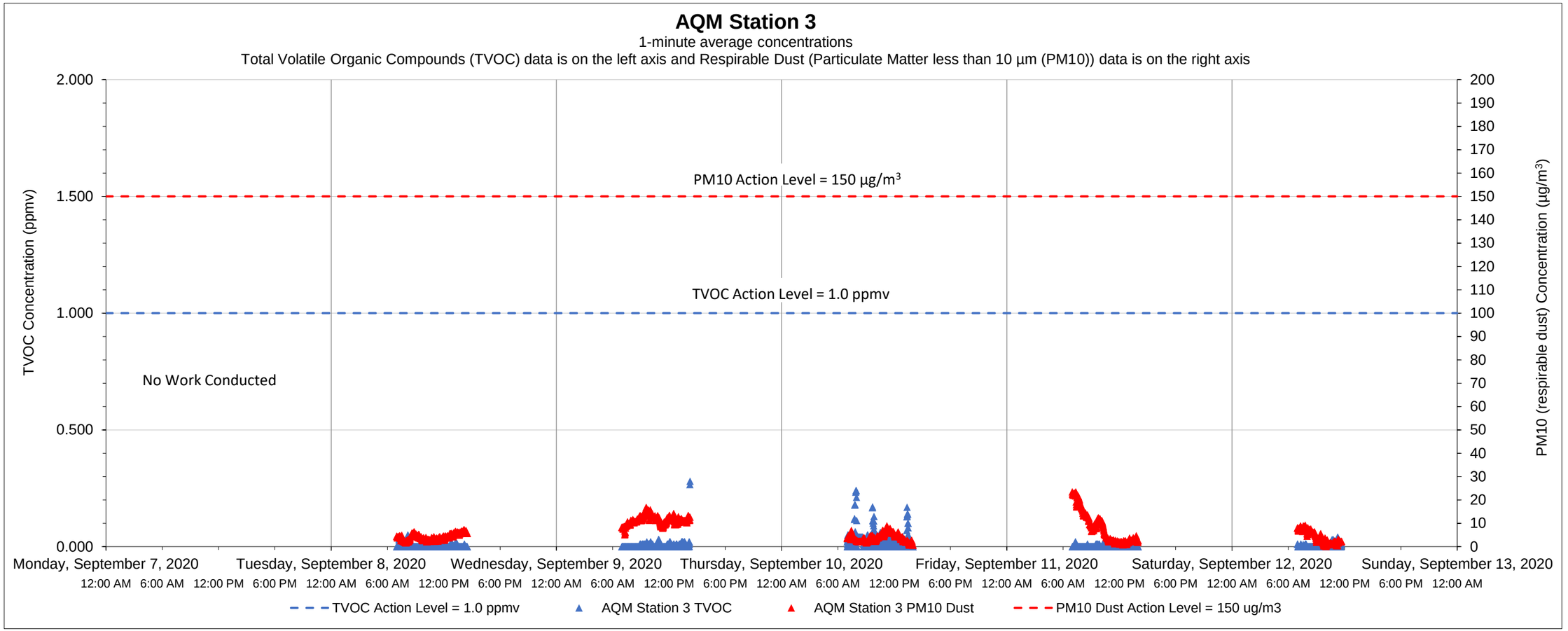

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.28	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.46	µg/m^3
PM10 maximum concentration	23.45	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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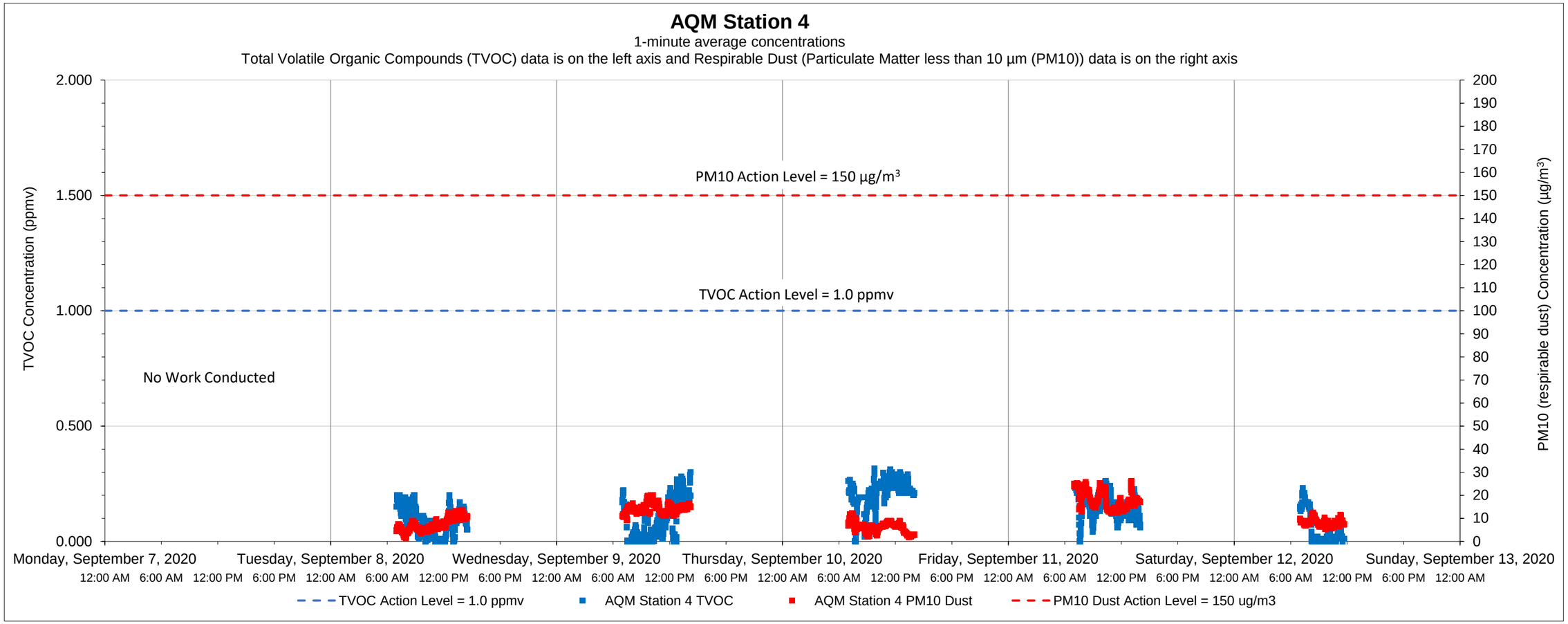

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.12	ppm
TVOCs maximum concentration	0.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.85	µg/m^3
PM10 maximum concentration	26.08	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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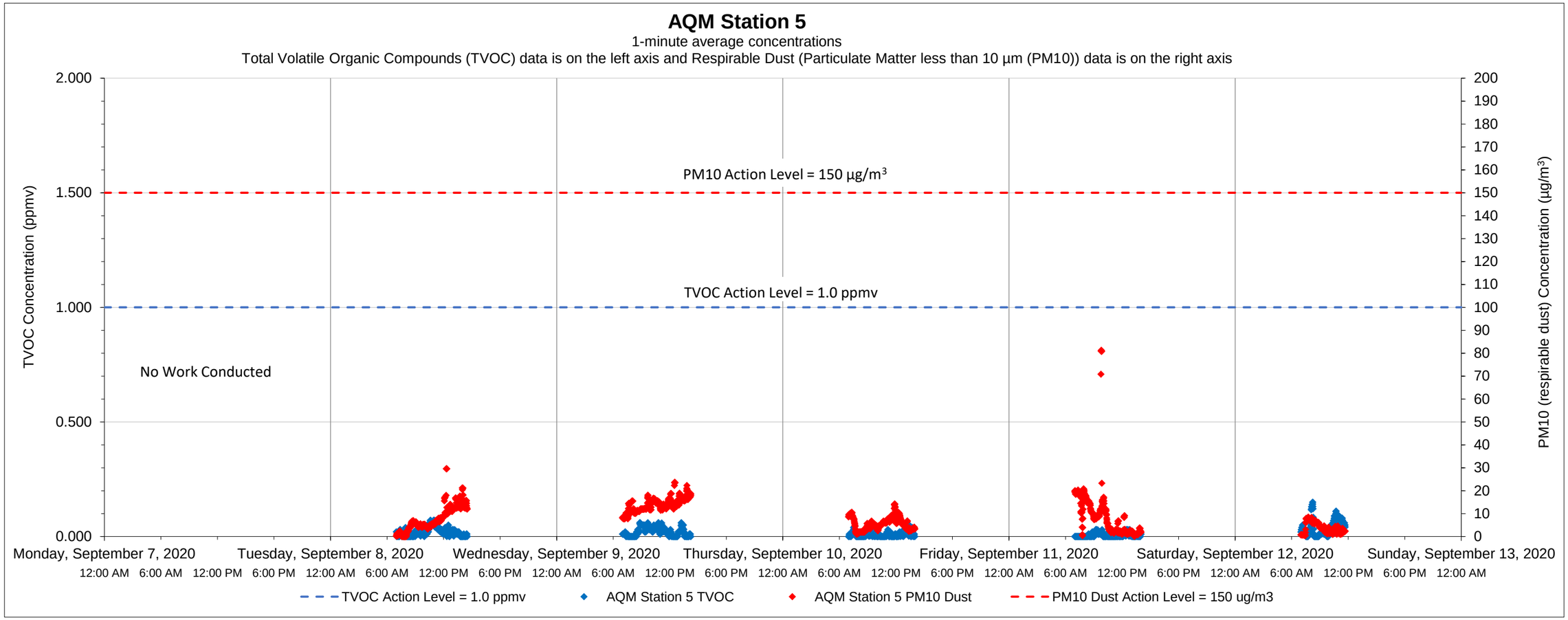

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.15	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.01	µg/m³
PM10 maximum concentration	81.27	µg/m³
PM10 action level	150	µg/m³

Notes:

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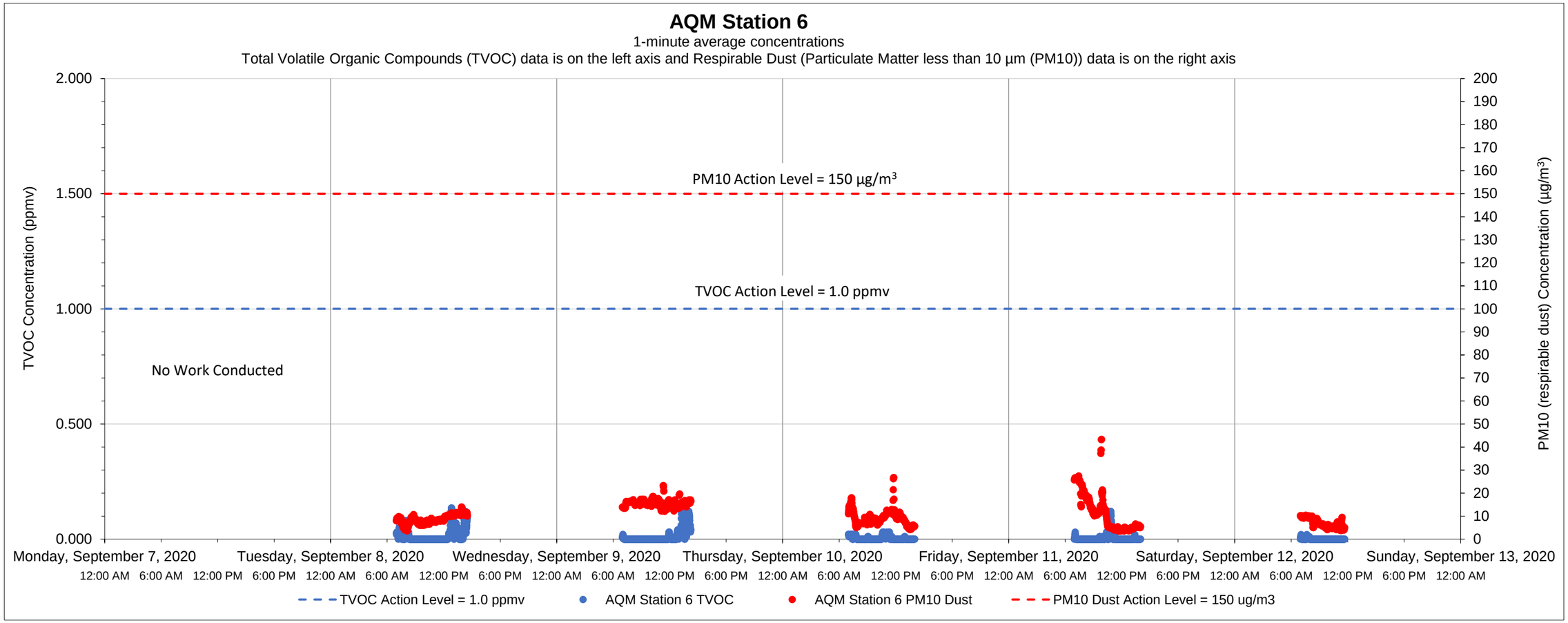

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.15	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.44	µg/m³
PM10 maximum concentration	43.28	µg/m³
PM10 action level	150	µg/m³

Notes:

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GZA Job No. 03.0033554.04
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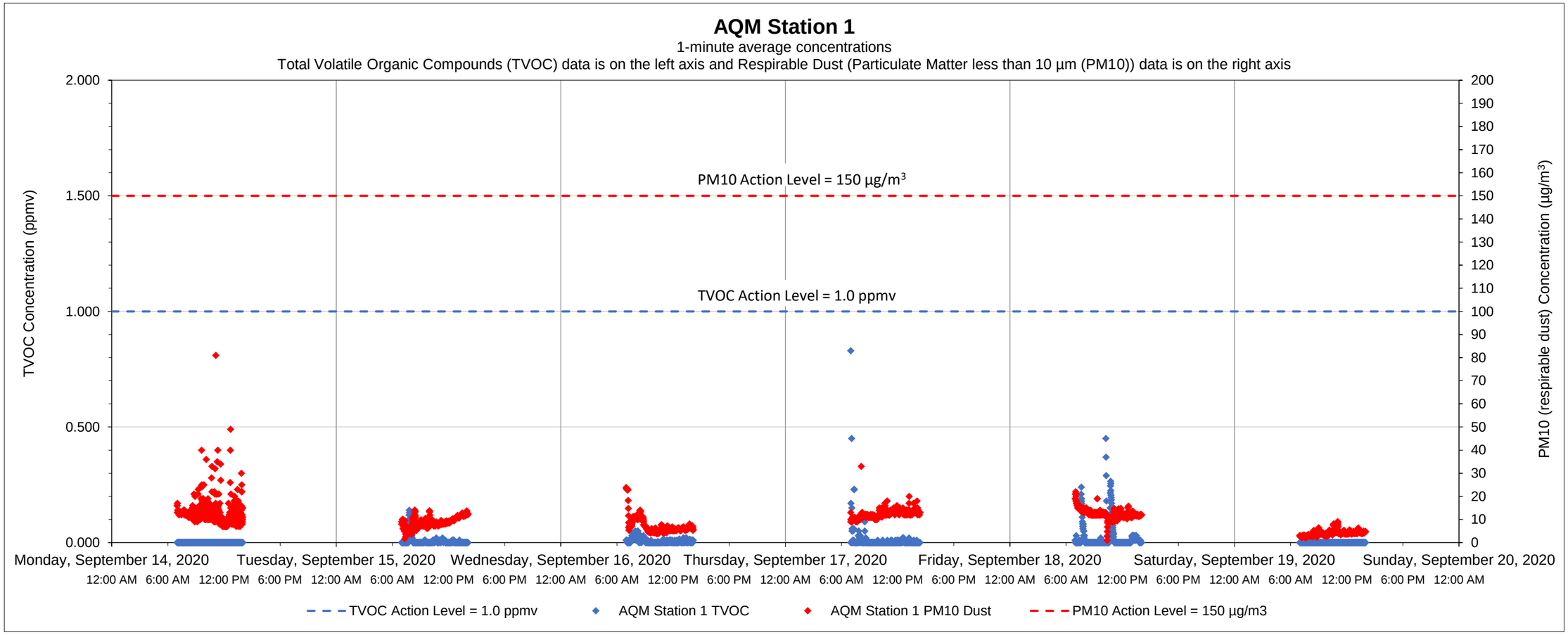

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.83	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.68	µg/m^3
PM10 maximum concentration	81.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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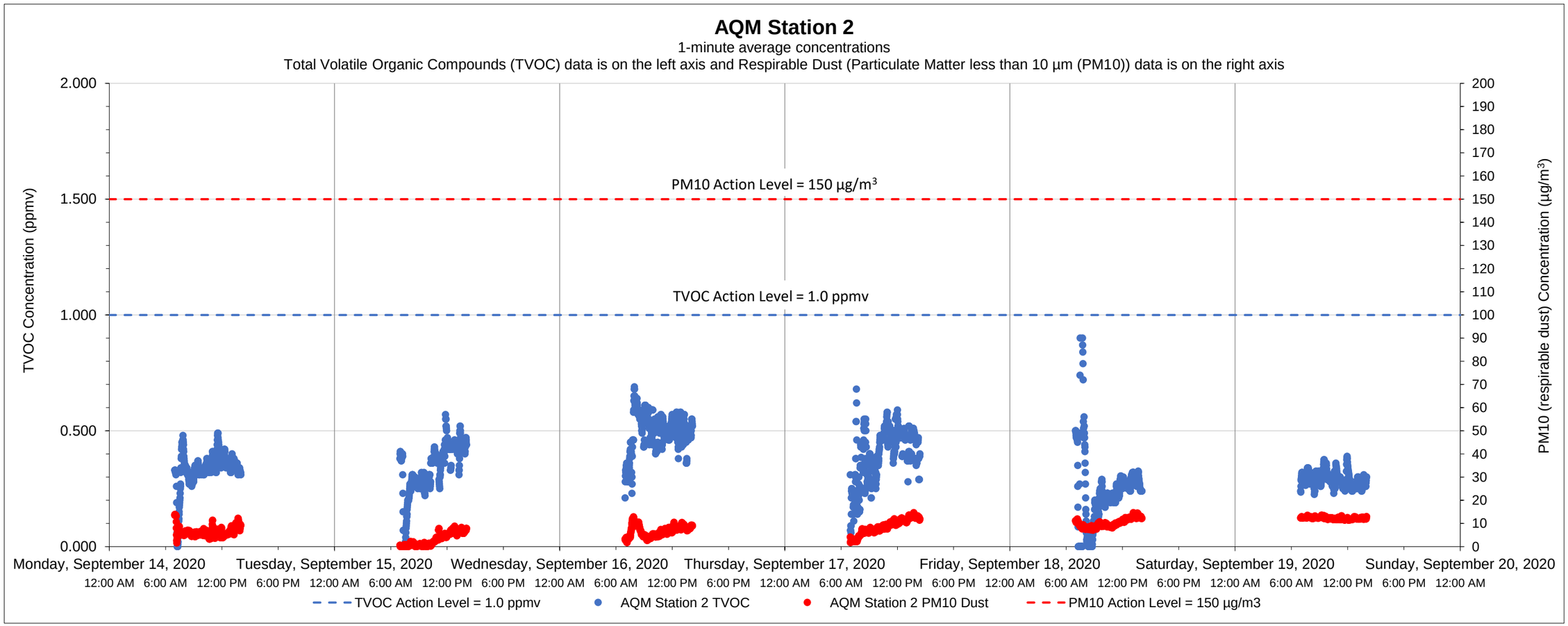

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.35	ppm
TVOCs maximum concentration	0.90	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.81	µg/m^3
PM10 maximum concentration	14.68	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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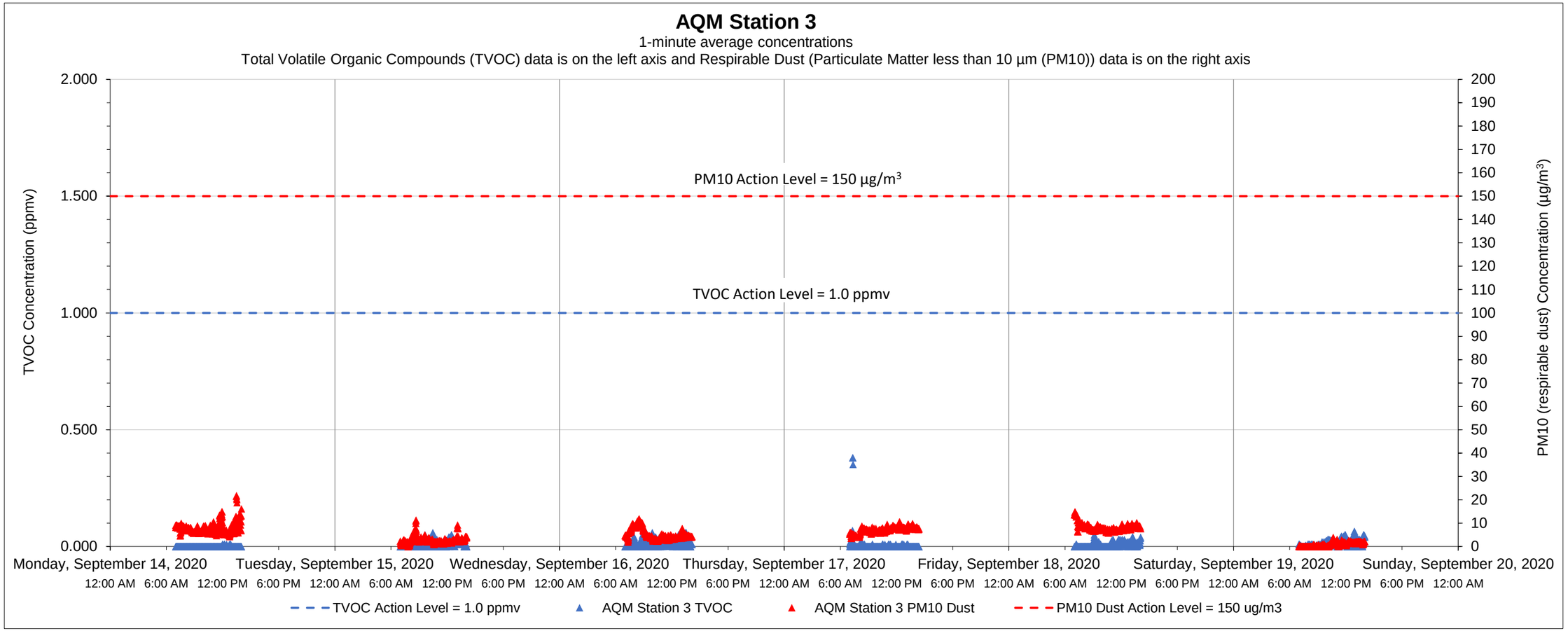

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.38	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.29	µg/m^3
PM10 maximum concentration	21.79	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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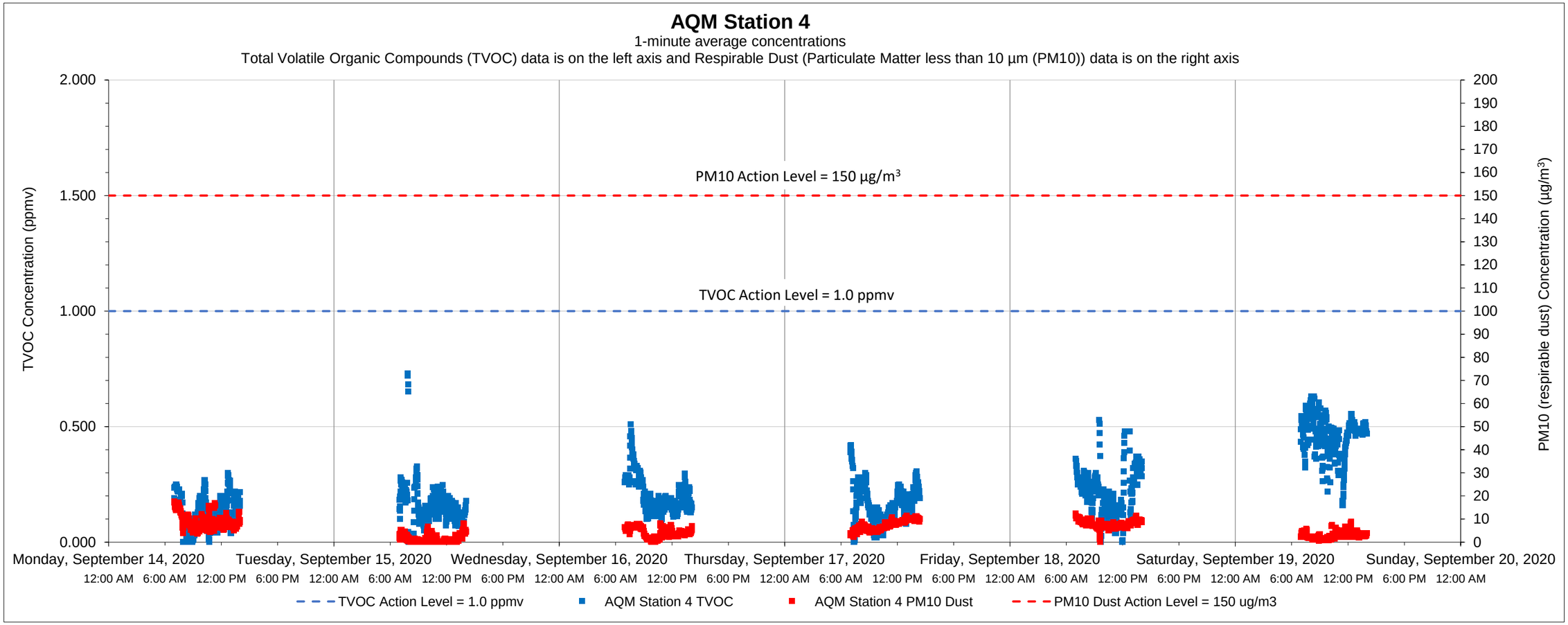

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.22	ppm
TVOCs maximum concentration	0.73	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.38	µg/m^3
PM10 maximum concentration	17.59	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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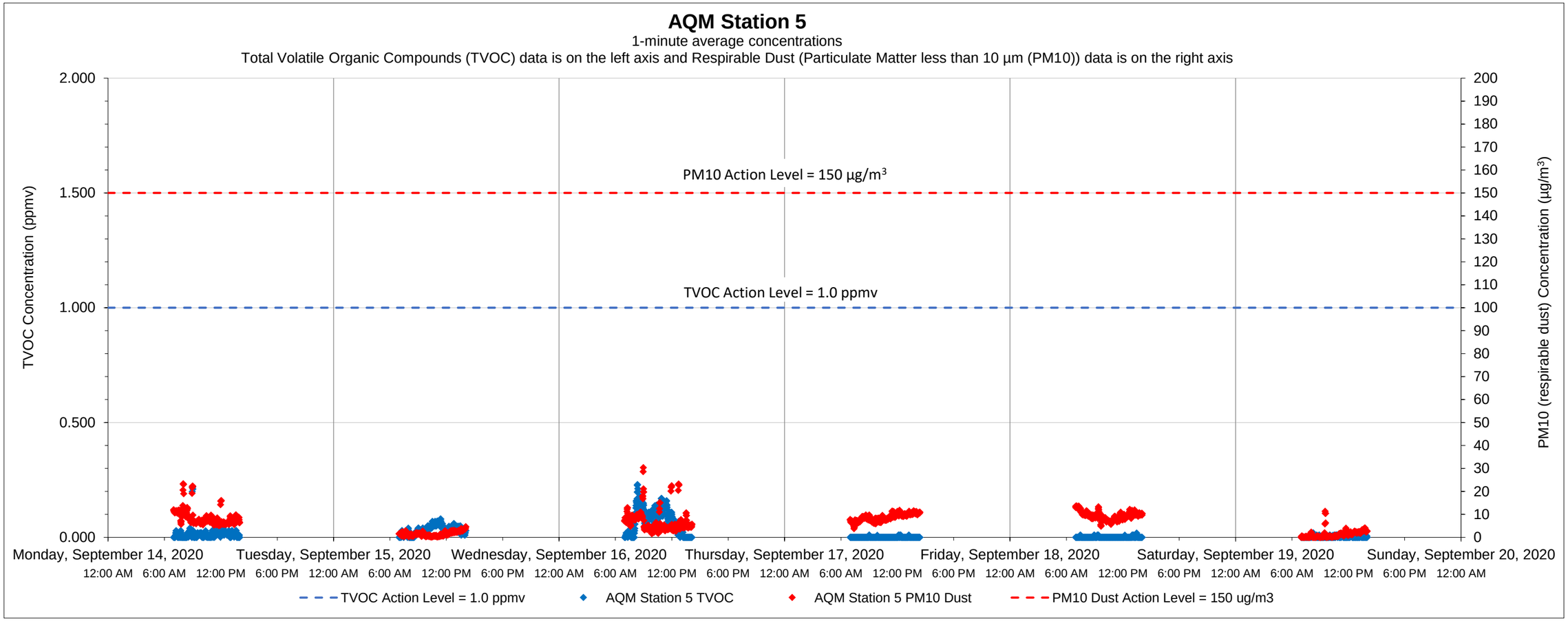

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.23	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.92	µg/m^3
PM10 maximum concentration	30.41	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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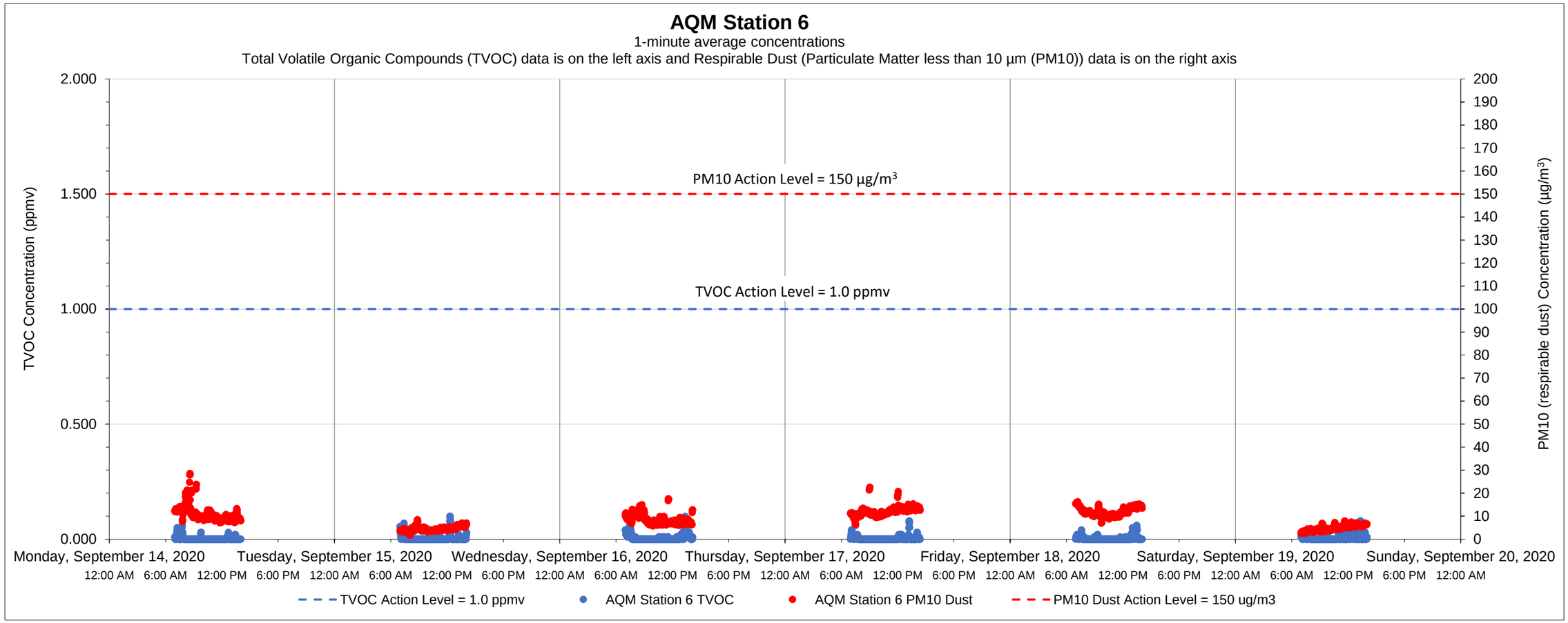

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.84	µg/m³
PM10 maximum concentration	28.58	µg/m³
PM10 action level	150	µg/m³

Notes:

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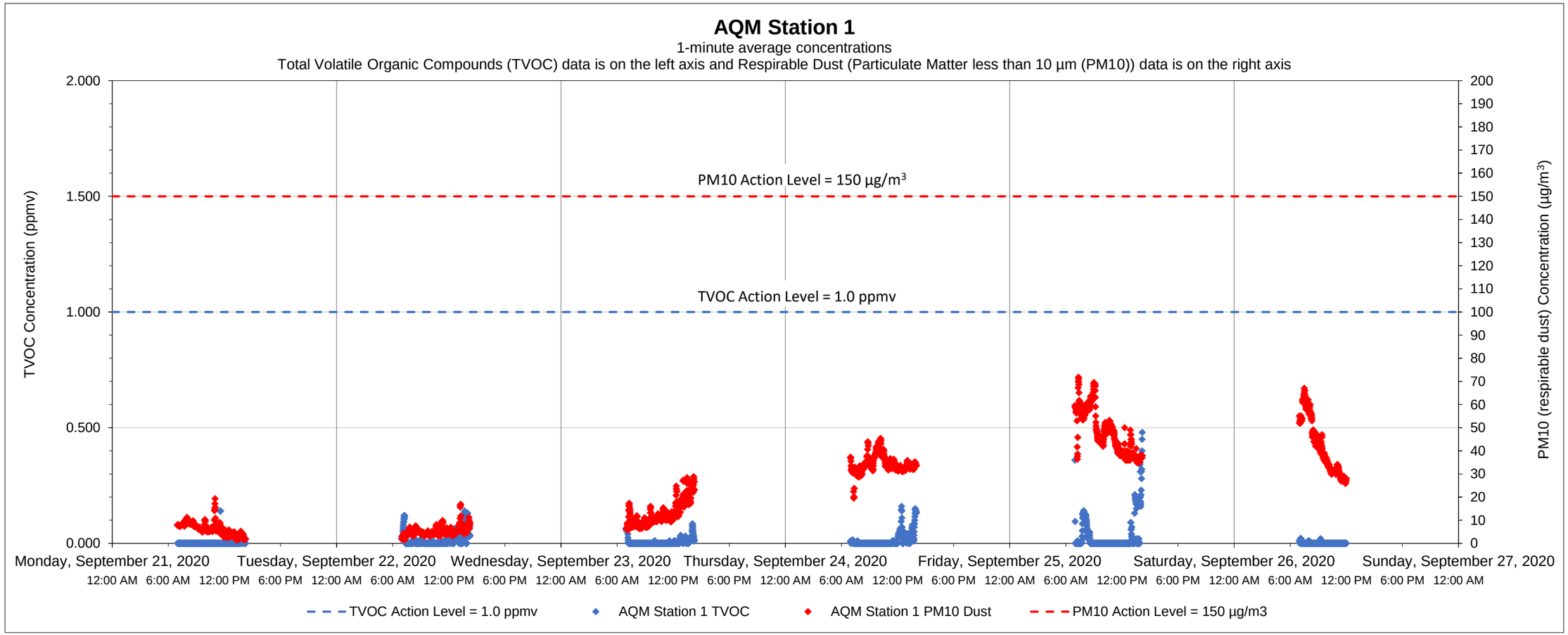

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	23.51	µg/m^3
PM10 maximum concentration	71.83	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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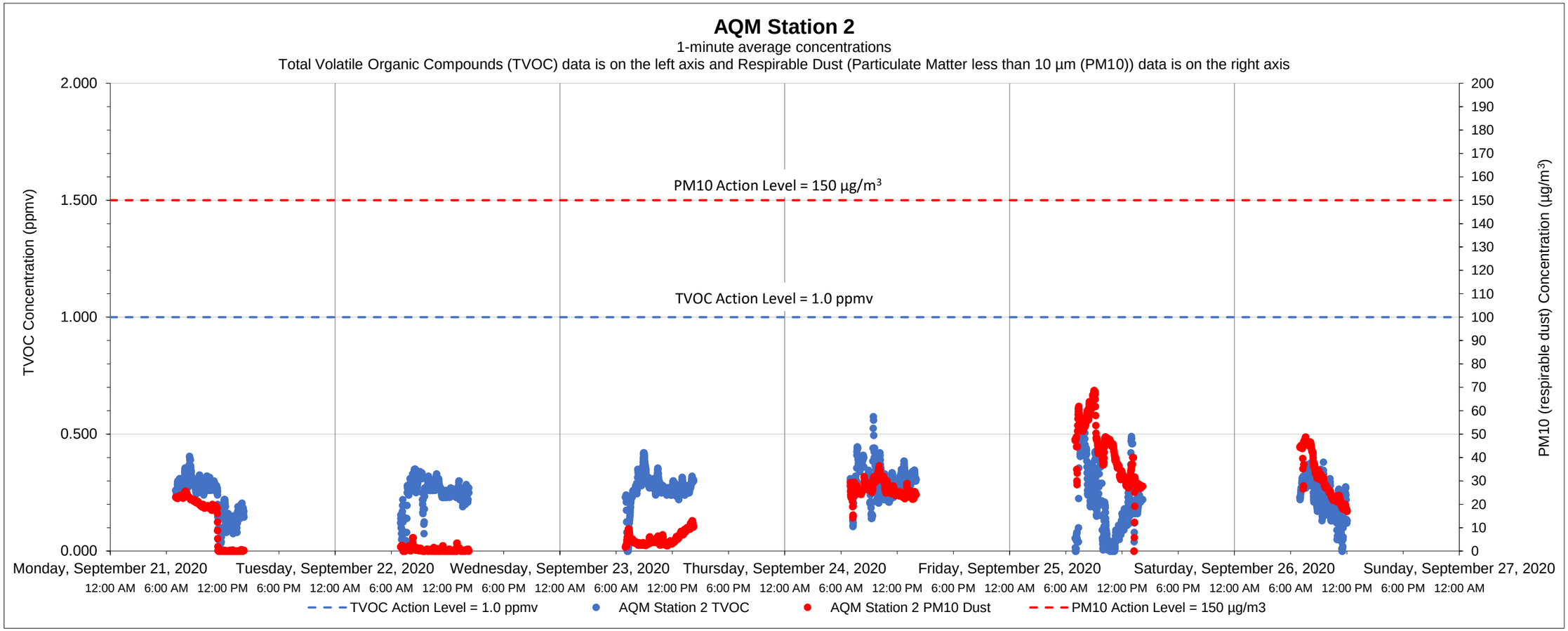

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.25	ppm
TVOCs maximum concentration	0.59	ppm
TVOCs action level	1	ppm
PM10 average concentration	19.13	µg/m^3
PM10 maximum concentration	68.65	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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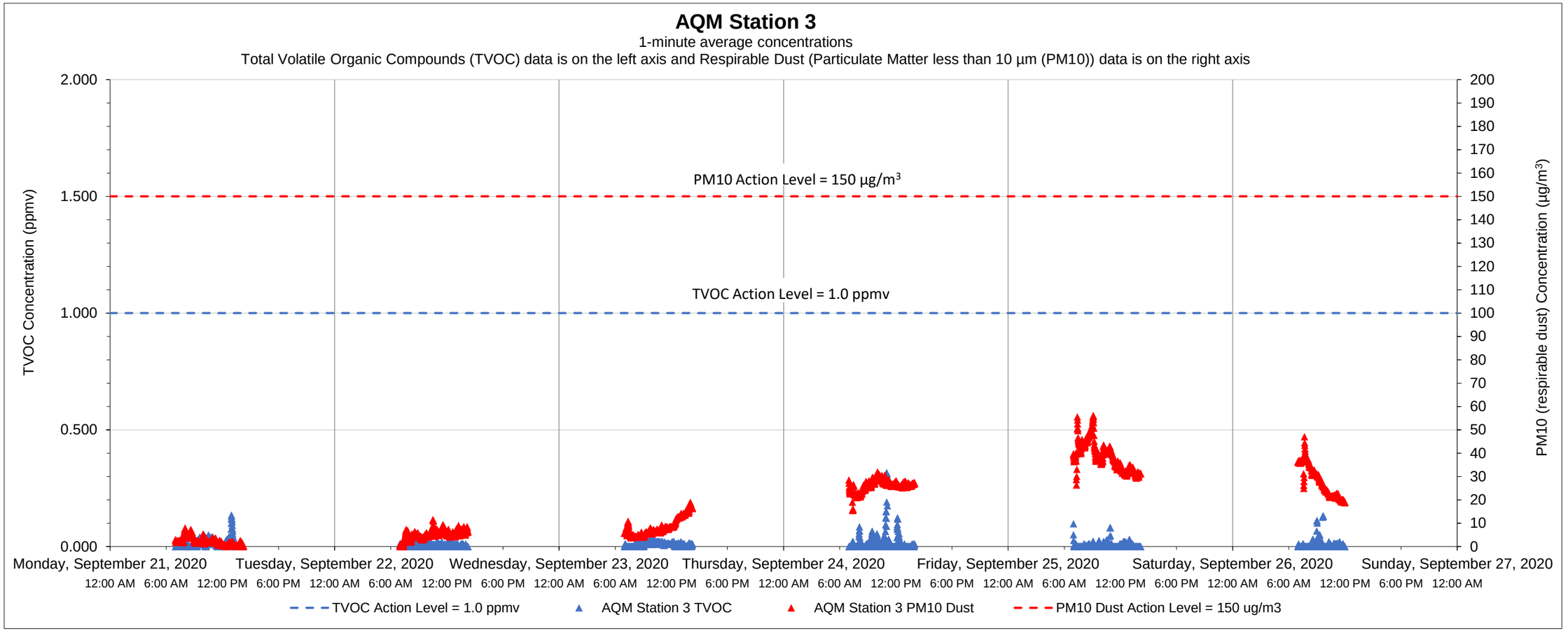

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.45	µg/m^3
PM10 maximum concentration	56.07	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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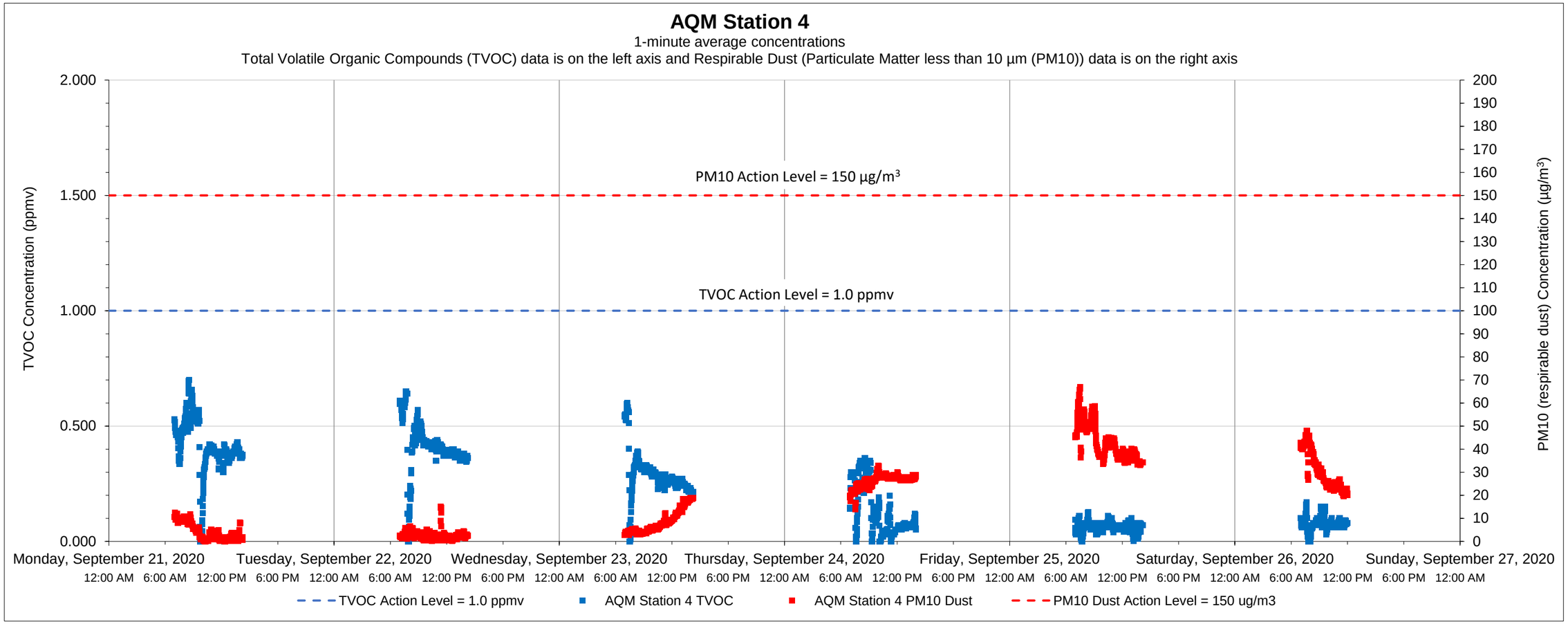


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.24	ppm
TVOCs maximum concentration	0.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.23	µg/m^3
PM10 maximum concentration	66.94	µg/m^3
PM10 action level	150	µg/m^3

Notes:

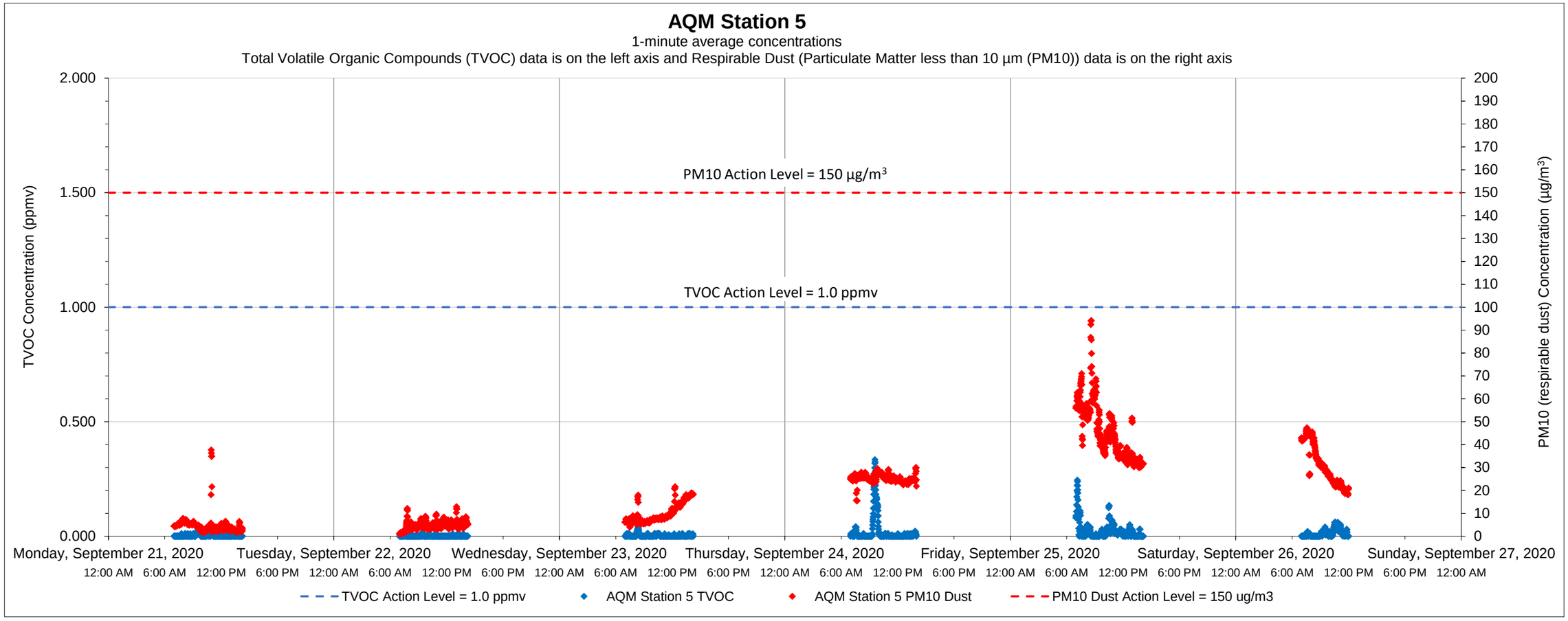
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
09/28/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.33	ppm
TVOCs action level	1	ppm
PM10 average concentration	19.20	µg/m^3
PM10 maximum concentration	94.16	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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Liquefaction Facility Project -
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121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

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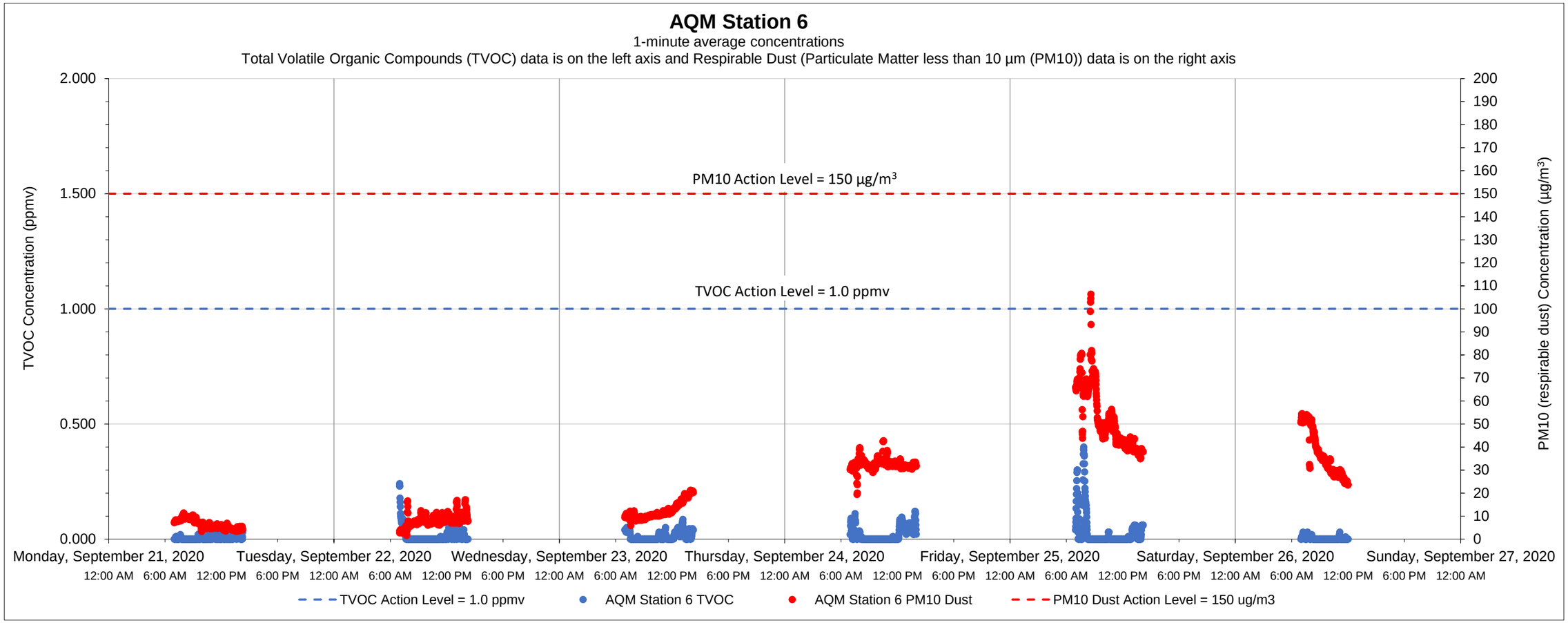
09/28/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	23.85	µg/m³
PM10 maximum concentration	106.35	µg/m³
PM10 action level	150	µg/m³

Notes:

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Liquefaction Facility Project -
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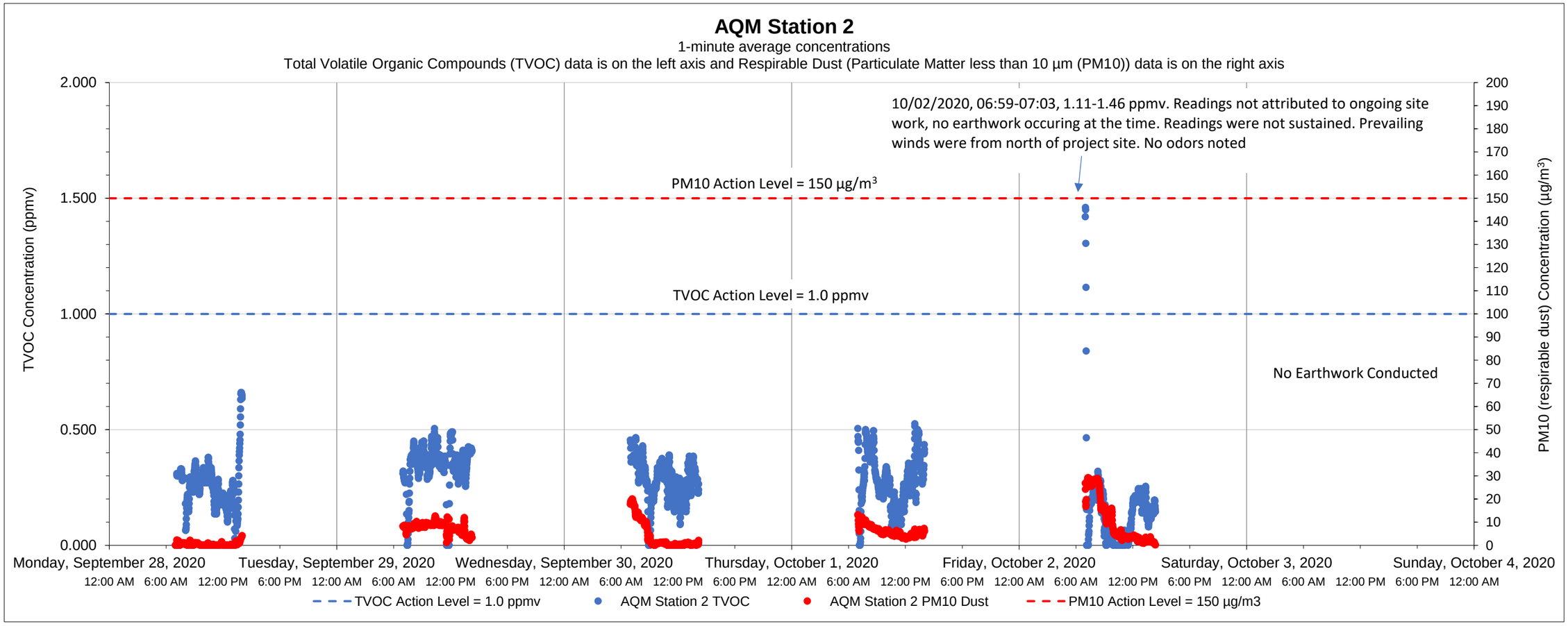
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
10/05/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.26	ppm
TVOCs maximum concentration	1.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.73	µg/m^3
PM10 maximum concentration	29.22	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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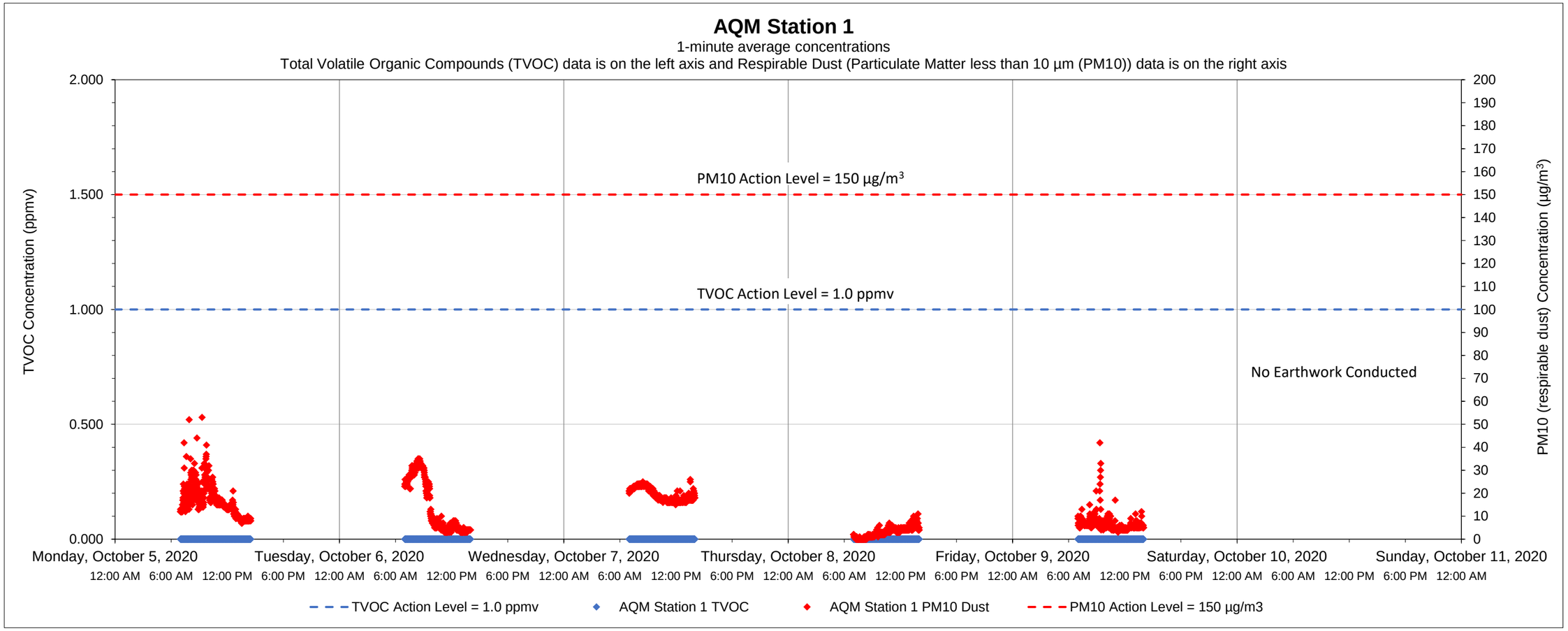
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
10/12/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.00	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.90	µg/m^3
PM10 maximum concentration	53.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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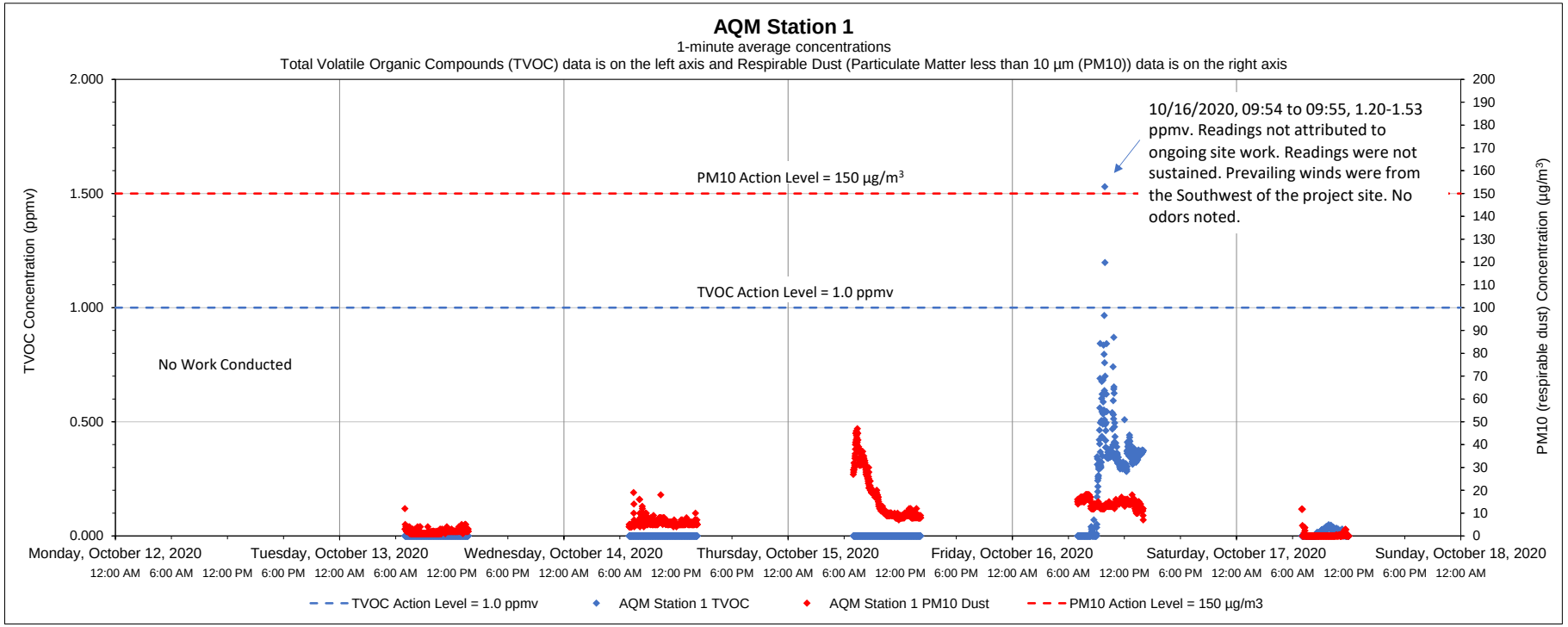
GZA Job No. 03.0033554.04

10/19/2020

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.53	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.20	µg/m³
PM10 maximum concentration	47.00	µg/m³
PM10 action level	150	µg/m³

Notes:

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GZA Job No. 03.0033554.04

10/19/2020

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STRAP Perimeter Air Quality Monitoring (AQM)

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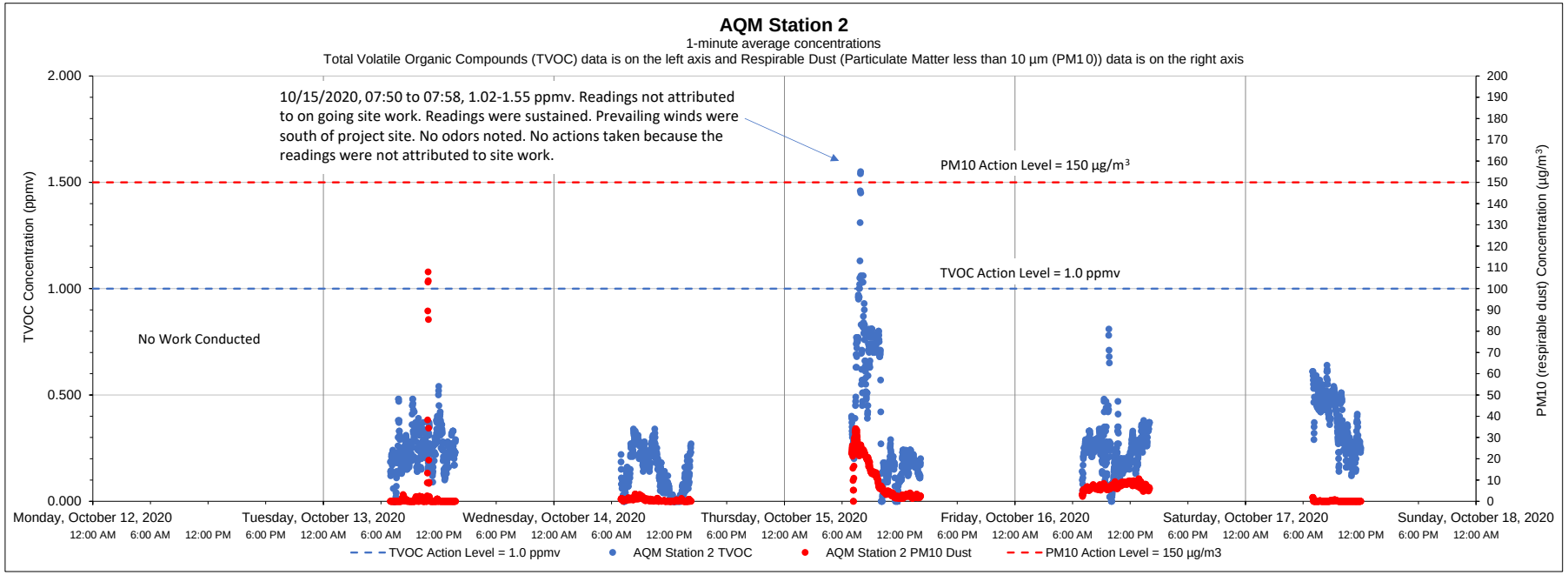

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
10/15/2020	07:50-07:58	TVOC	1.02-1.55 ppmv	No actions taken because the readings were not attributed to site work.

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.27	ppm
TVOCs maximum concentration	1.55	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.04	µg/m^3
PM10 maximum concentration	107.85	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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10/19/2020

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

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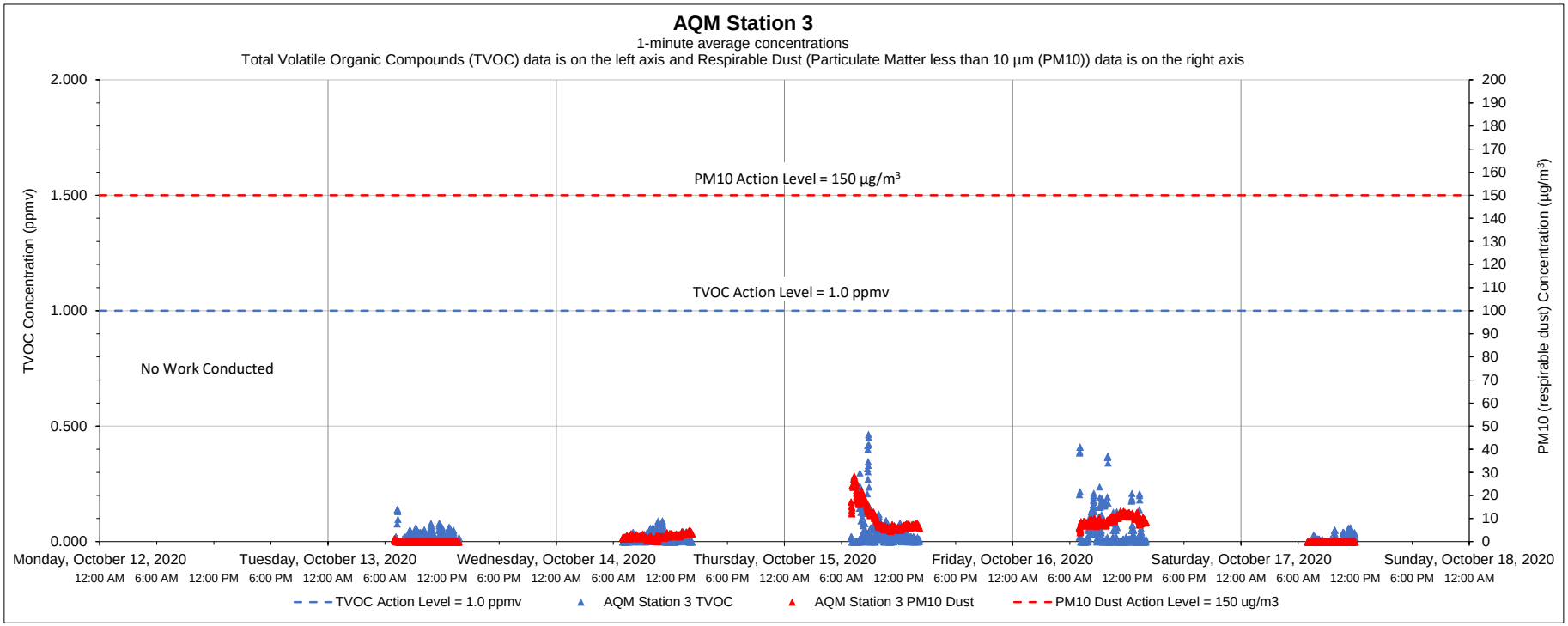

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.47	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.77	µg/m³
PM10 maximum concentration	28.47	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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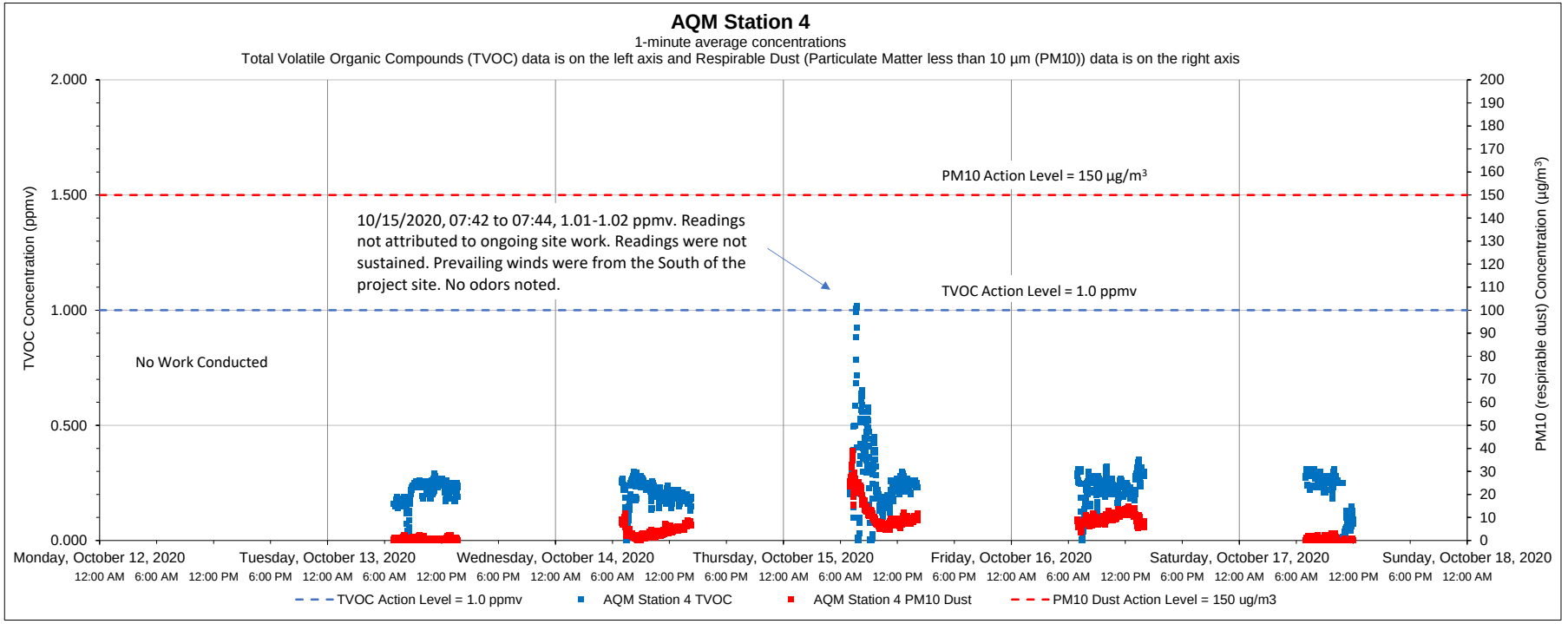

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.23	ppm
TVOCs maximum concentration	1.02	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.61	µg/m^3
PM10 maximum concentration	38.88	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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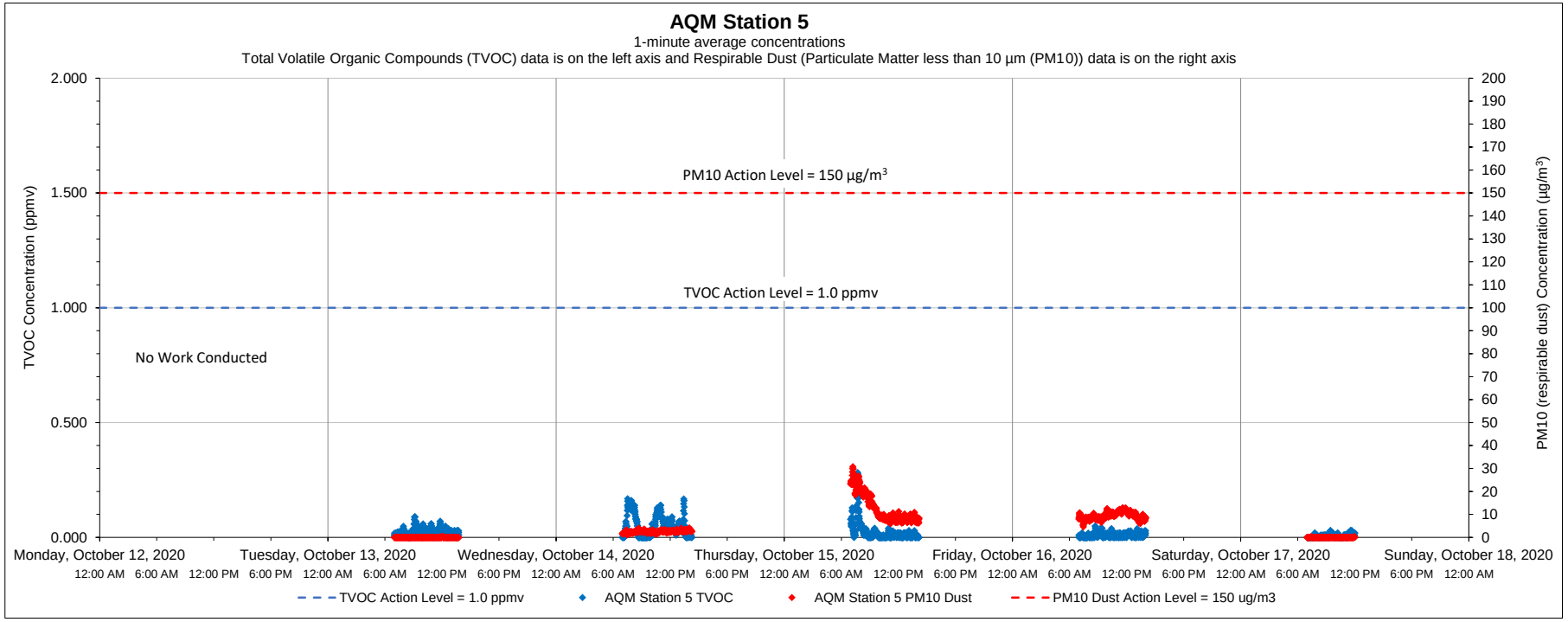

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.28	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.23	µg/m³
PM10 maximum concentration	30.85	µg/m³
PM10 action level	150	µg/m³

Notes:

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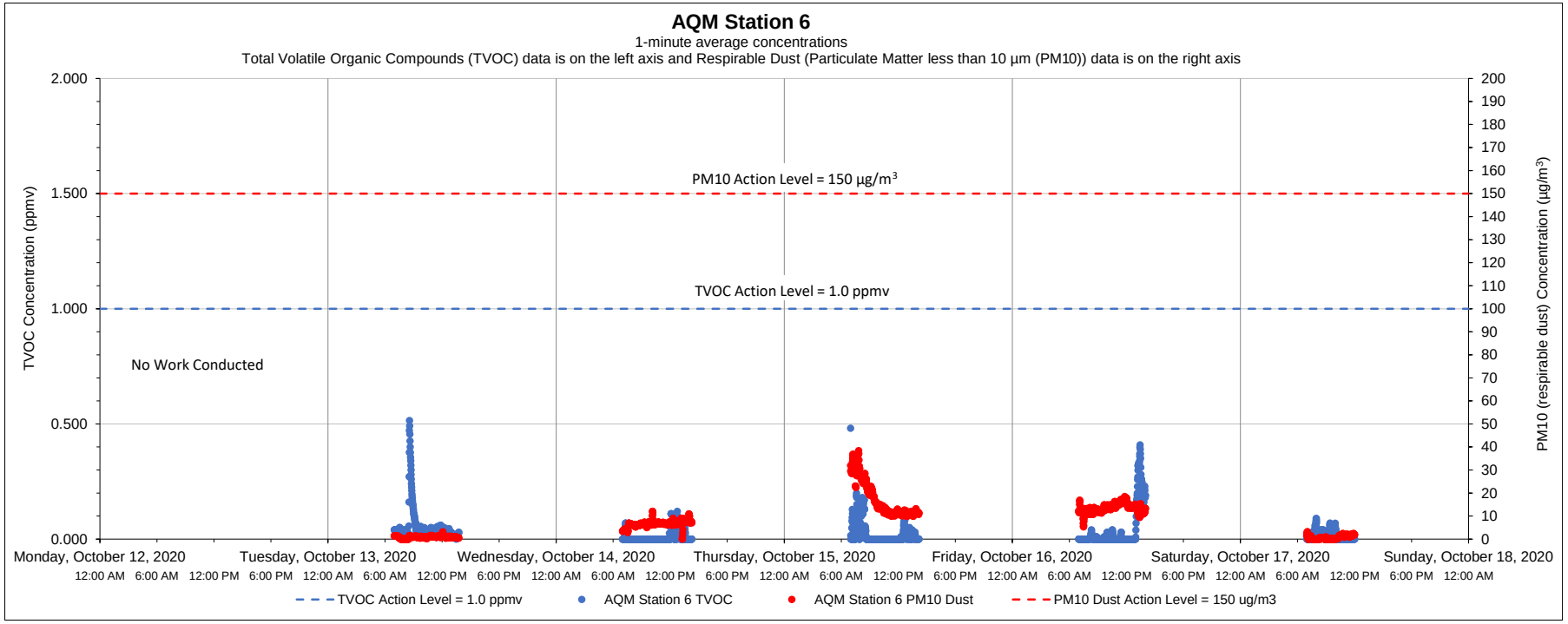

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.52	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.21	µg/m^3
PM10 maximum concentration	38.43	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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10/26/2020

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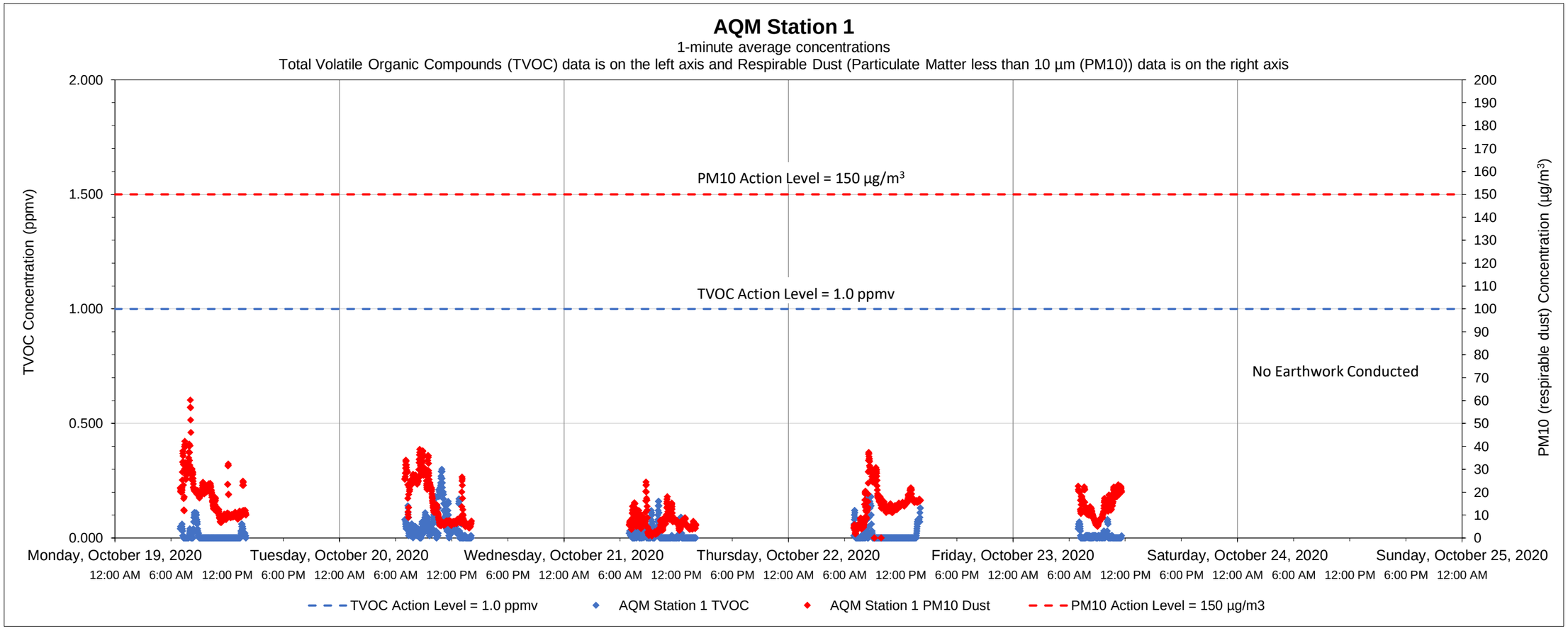

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.79	µg/m^3
PM10 maximum concentration	60.12	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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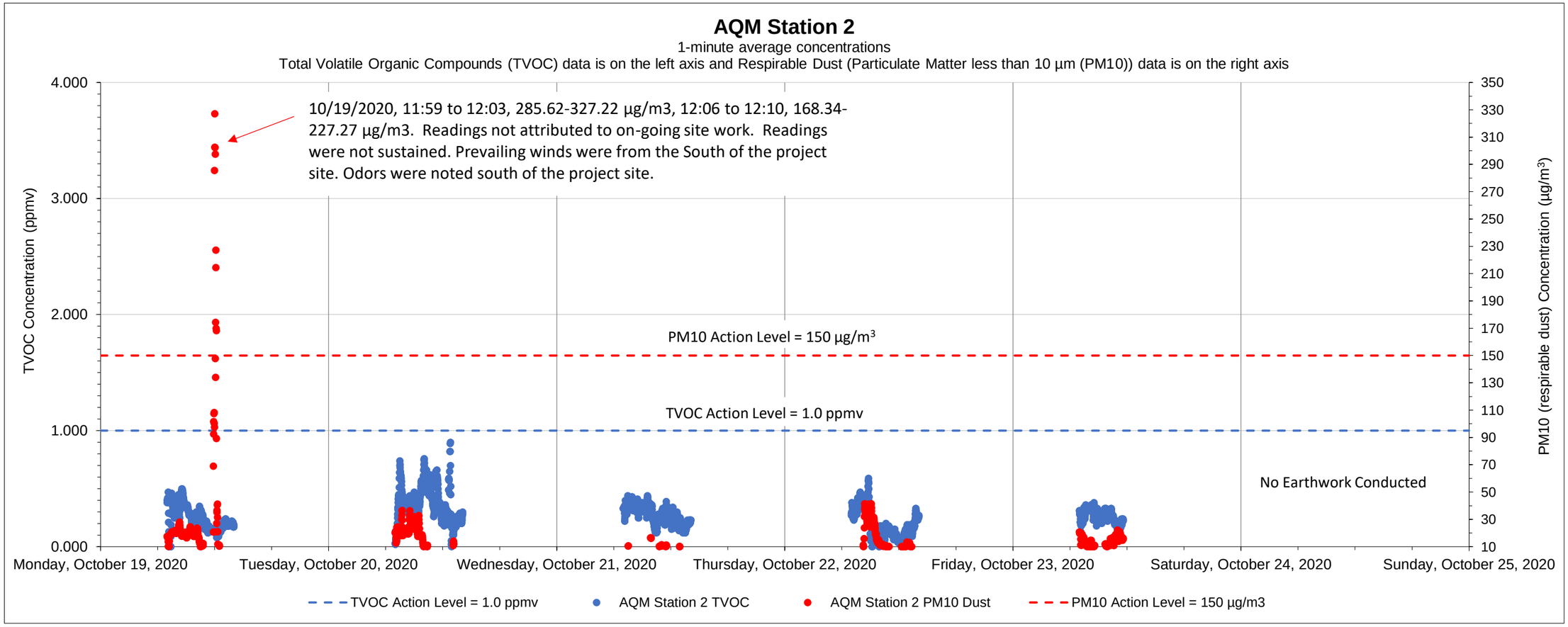

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.27	ppm
TVOCs maximum concentration	0.90	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.03	µg/m^3
PM10 maximum concentration	327.22	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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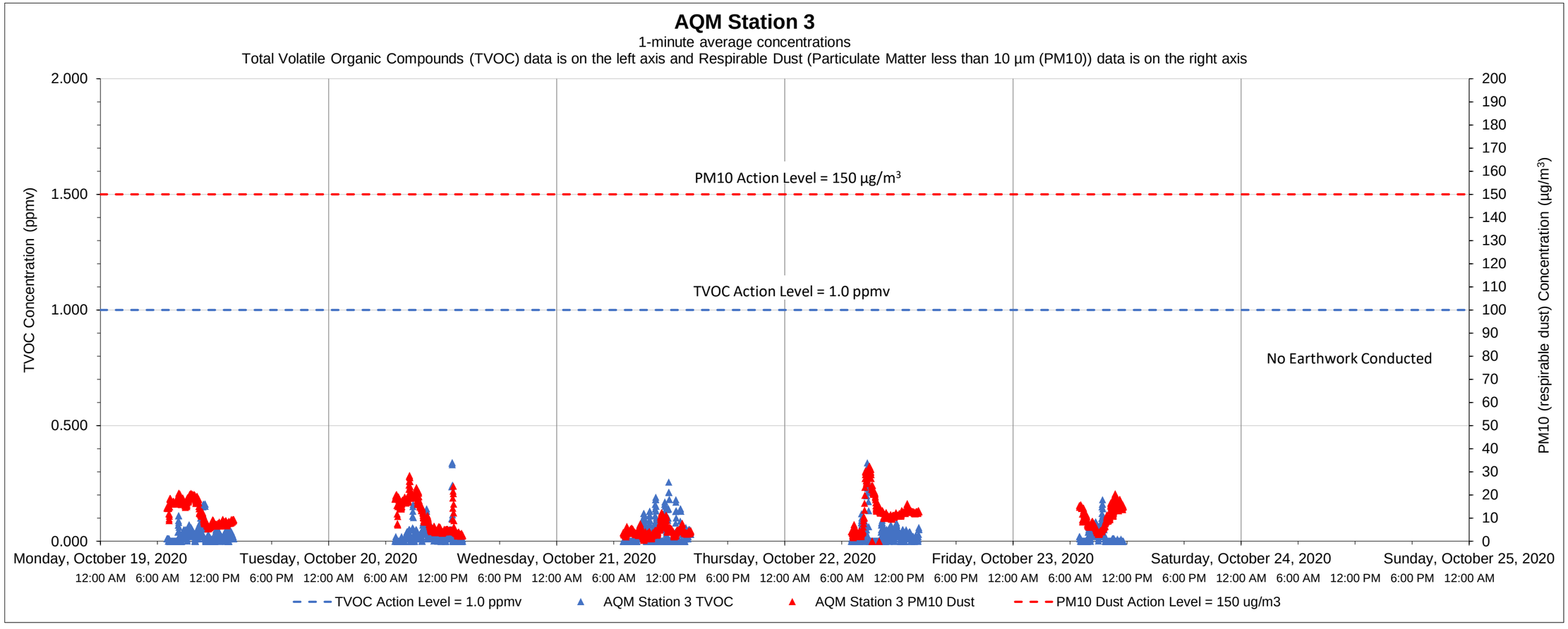

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.34	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.12	µg/m^3
PM10 maximum concentration	32.32	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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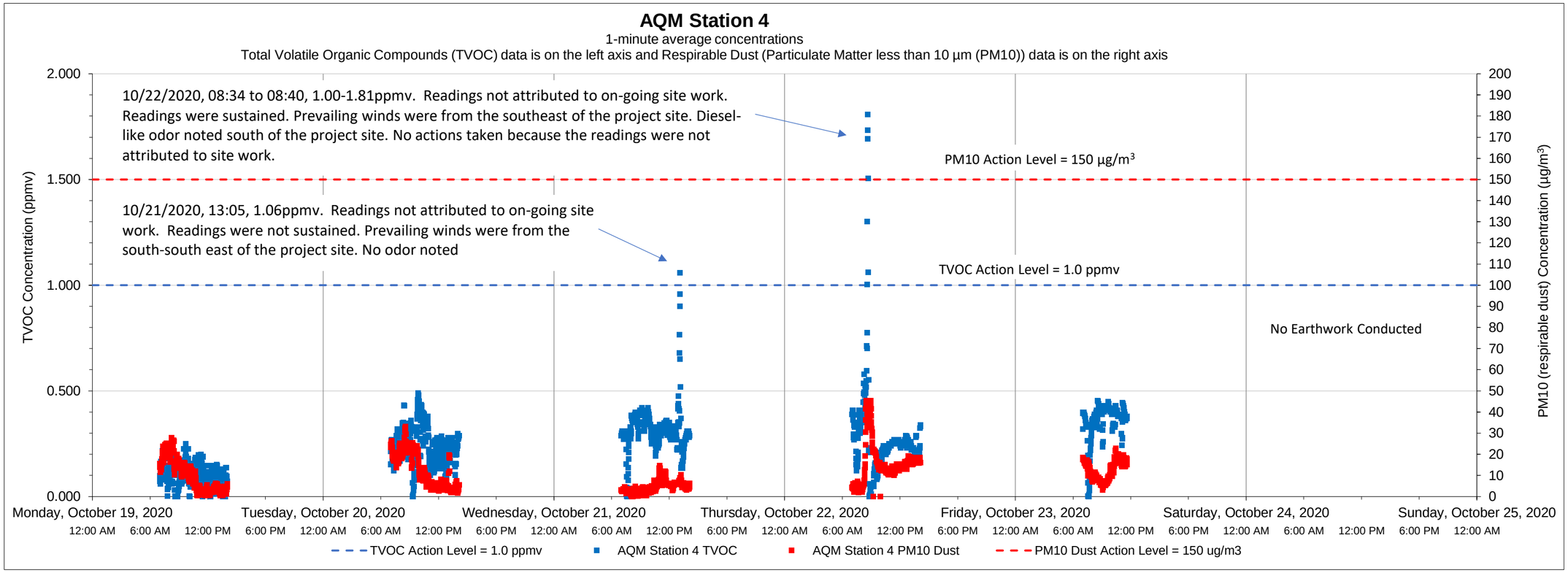

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
10/22/2020	08:34-08:40	TVOC	1:00-1.81 ppmv	No actions taken because the readings were not attributed to site work.

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.25	ppm
TVOCs maximum concentration	1.81	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.75	µg/m^3
PM10 maximum concentration	45.43	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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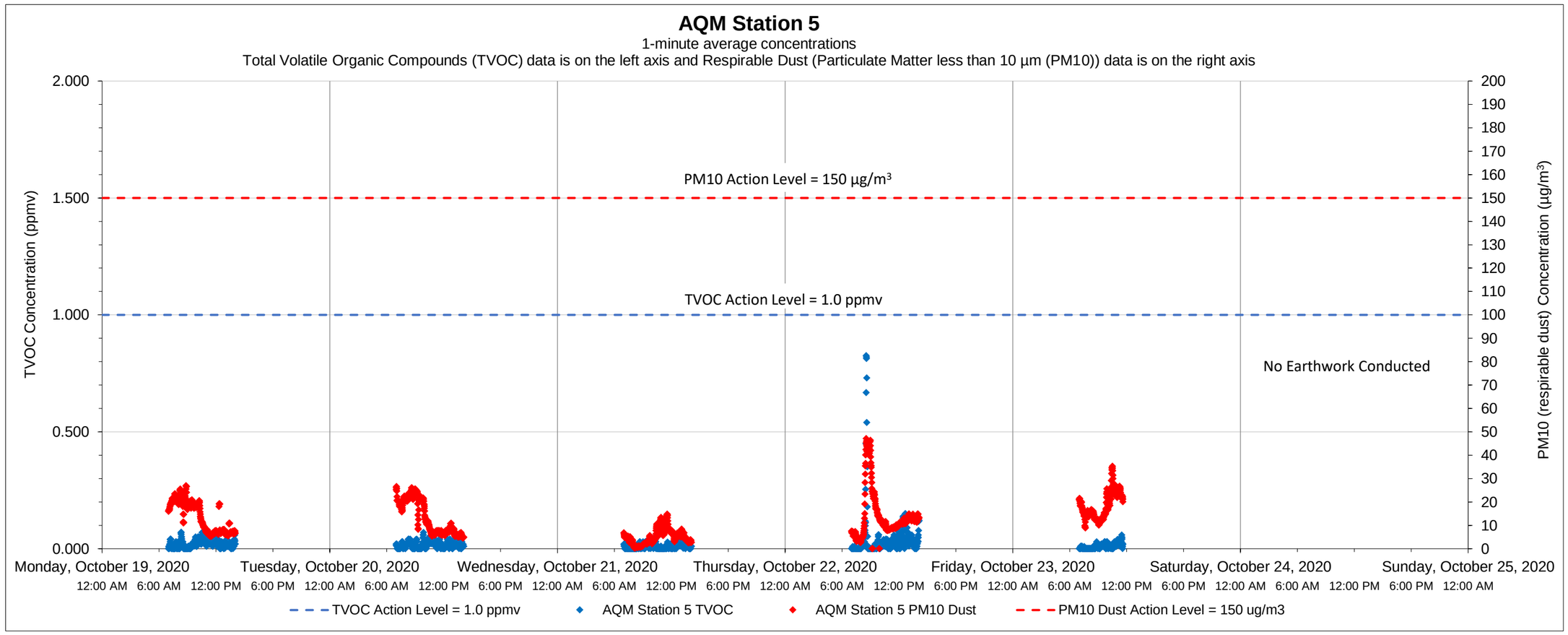

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.82	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.28	µg/m^3
PM10 maximum concentration	47.10	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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10/26/2020

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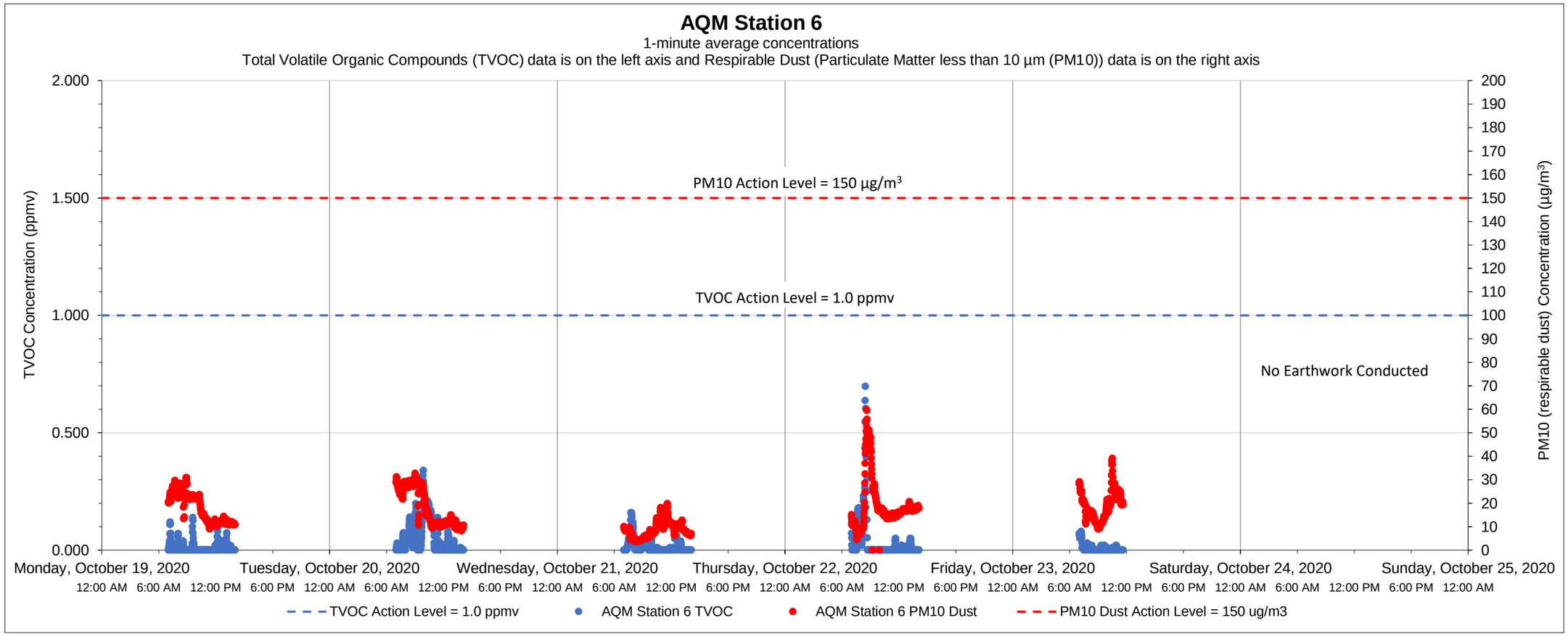

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.16	µg/m^3
PM10 maximum concentration	59.86	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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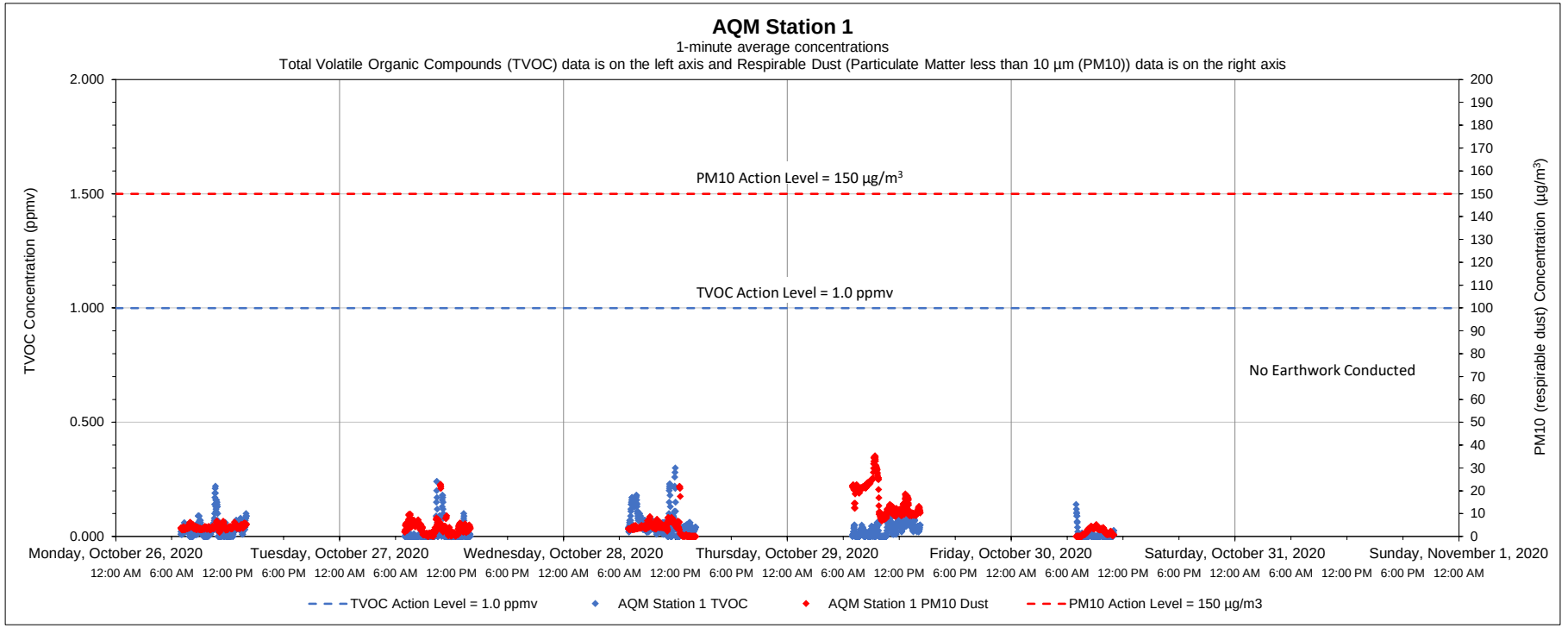
GZA Job No. 03.0033554.04

11/02/2020

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.25	µg/m^3
PM10 maximum concentration	35.28	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

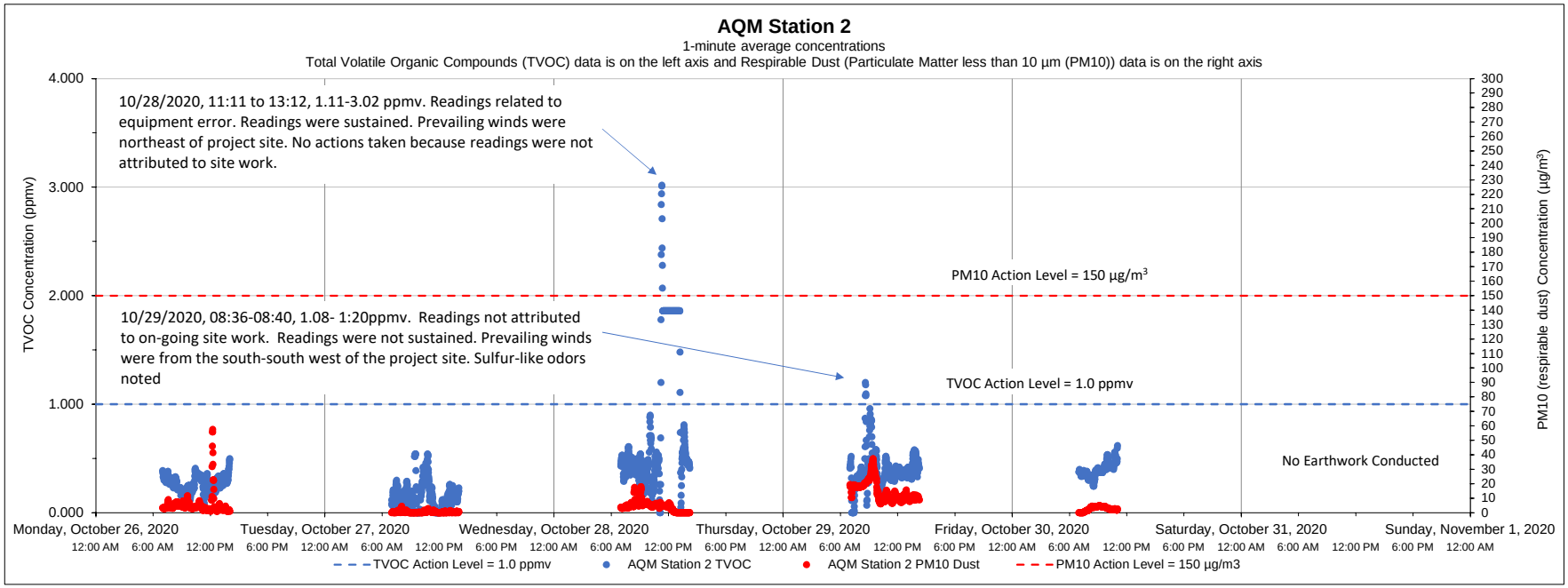
GZA Job No. 03.0033554.04

11/02/2020

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
10/28/2020	11:11 to 13:12	TVOC	1.11-3.02 ppmv	No actions taken because readings were not attributed to site work

Data Summary Statistics		
TVOCs average concentration	0.41	ppm
TVOCs maximum concentration	3.02	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.71	µg/m³
PM10 maximum concentration	57.68	µg/m³
PM10 action level	150	µg/m³

Equipment Notes
10/28/2020 - Equipment error caused sustained action level exceedances. A handheld PID was utilized to confirm that the station's readings were inaccurate,
and the site was checked for odors. Equipment temporarily removed from service, recalibrated and replaced.

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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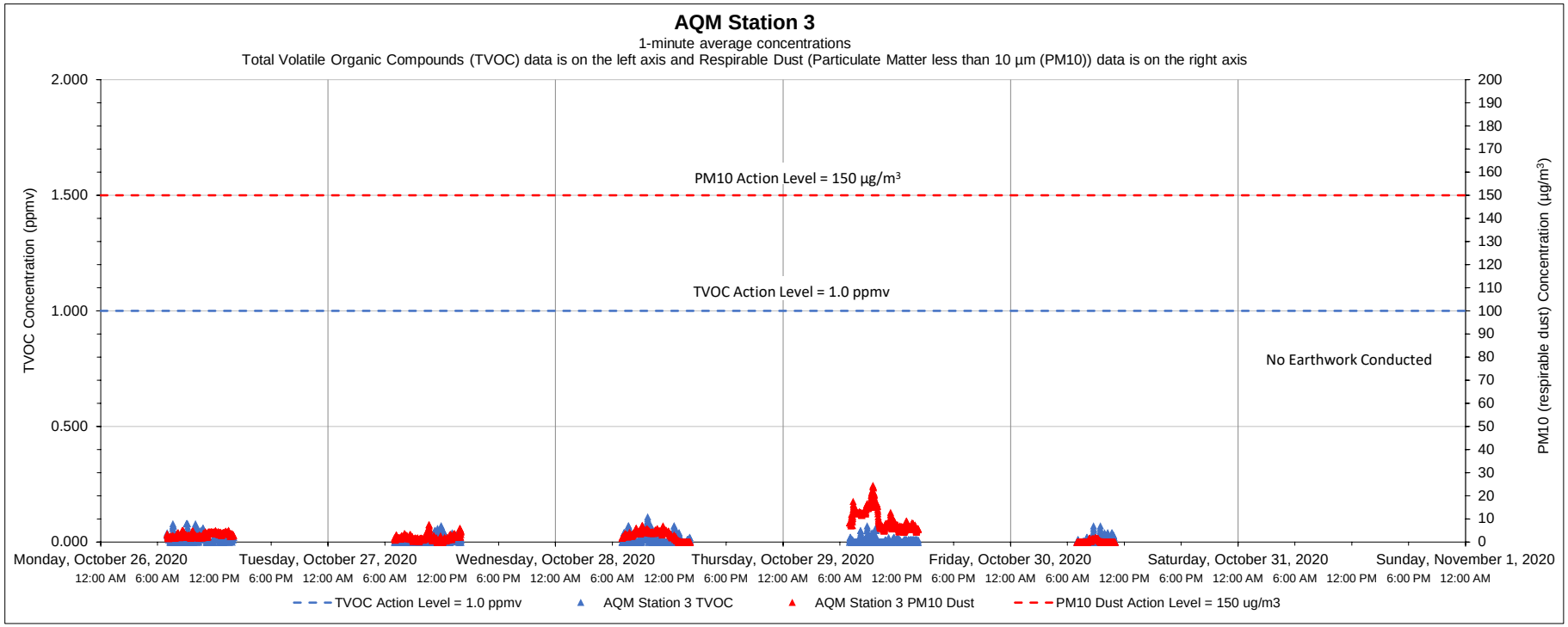

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.11	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.07	µg/m^3
PM10 maximum concentration	24.46	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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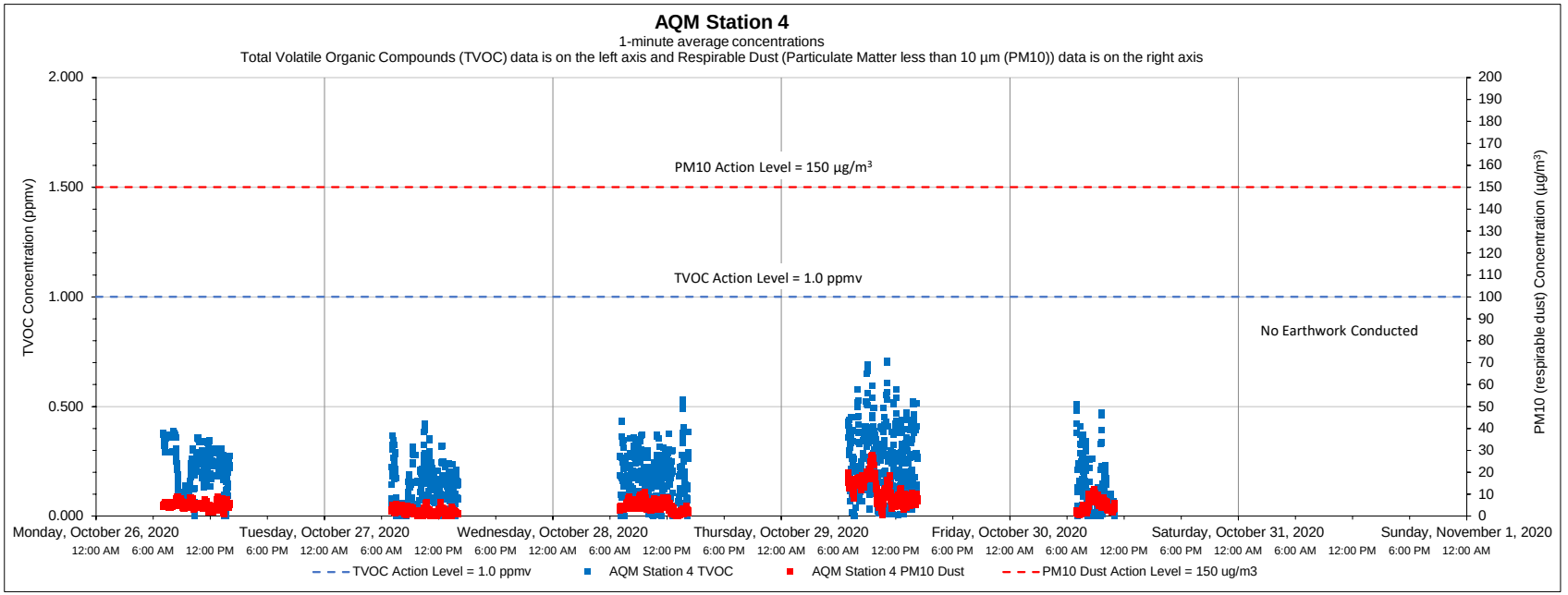

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.19	ppm
TVOCs maximum concentration	0.71	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.81	µg/m^3
PM10 maximum concentration	28.05	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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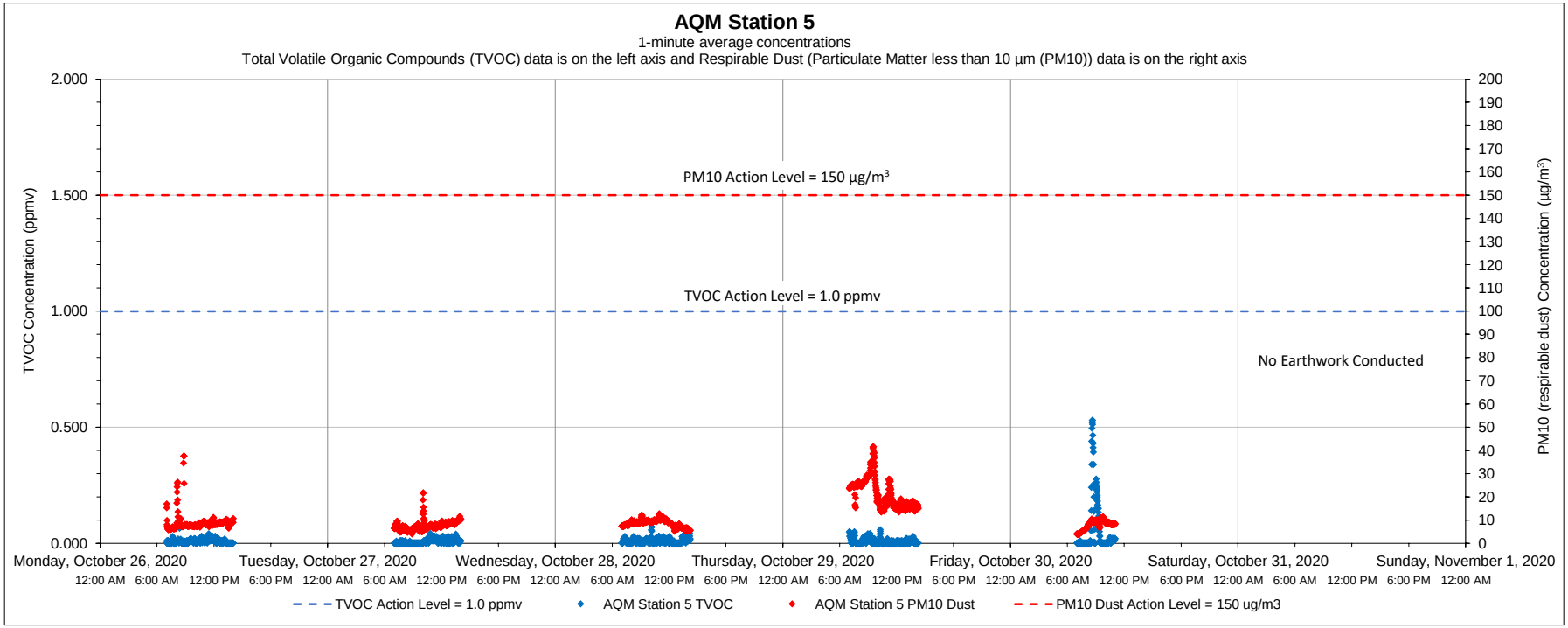

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.53	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.06	µg/m³
PM10 maximum concentration	41.71	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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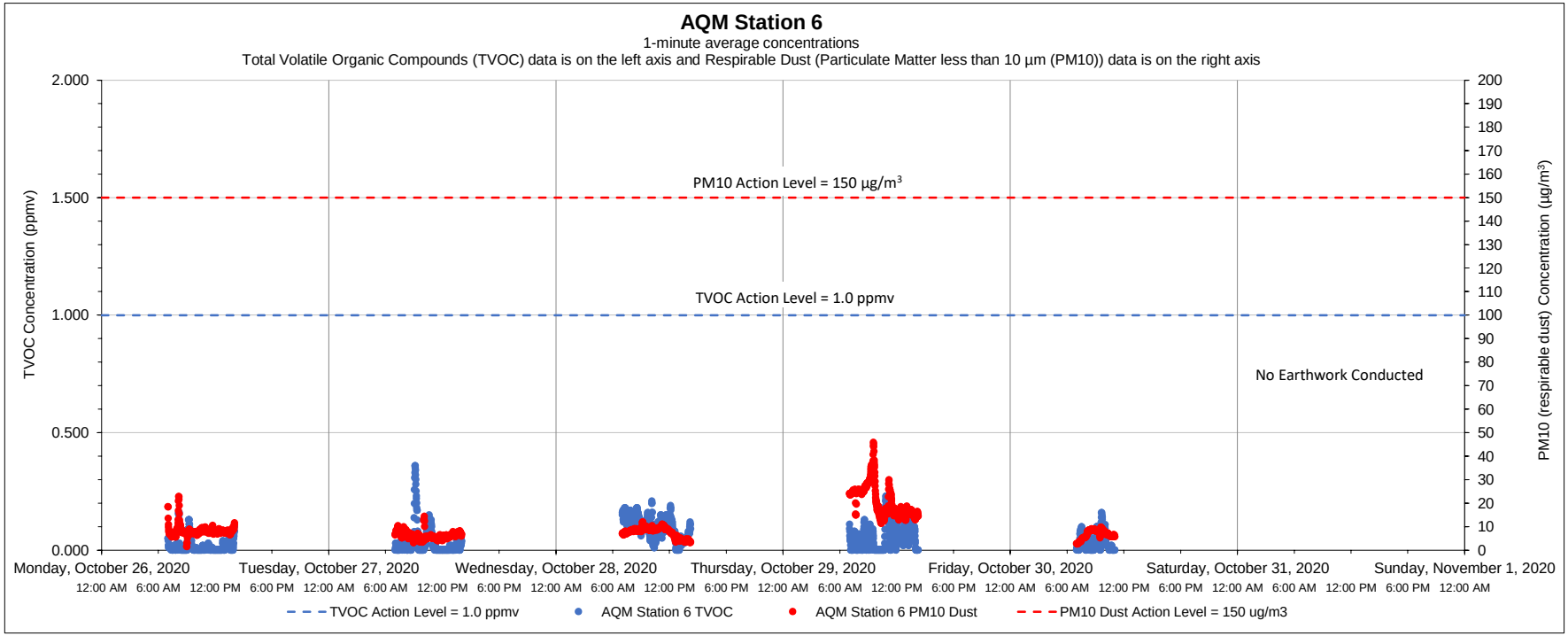

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.36	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.16	µg/m³
PM10 maximum concentration	45.85	µg/m³
PM10 action level	150	µg/m³

Notes:

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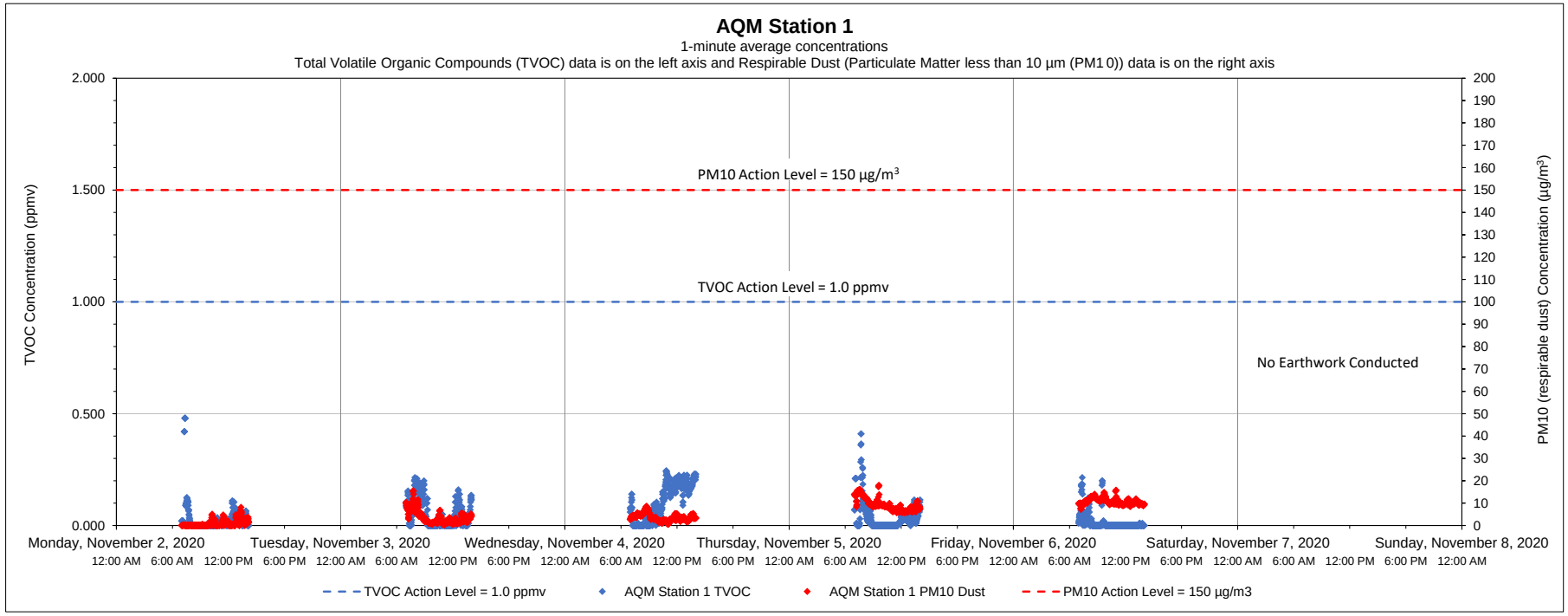

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.51	µg/m³
PM10 maximum concentration	17.93	µg/m³
PM10 action level	150	µg/m³

Notes:

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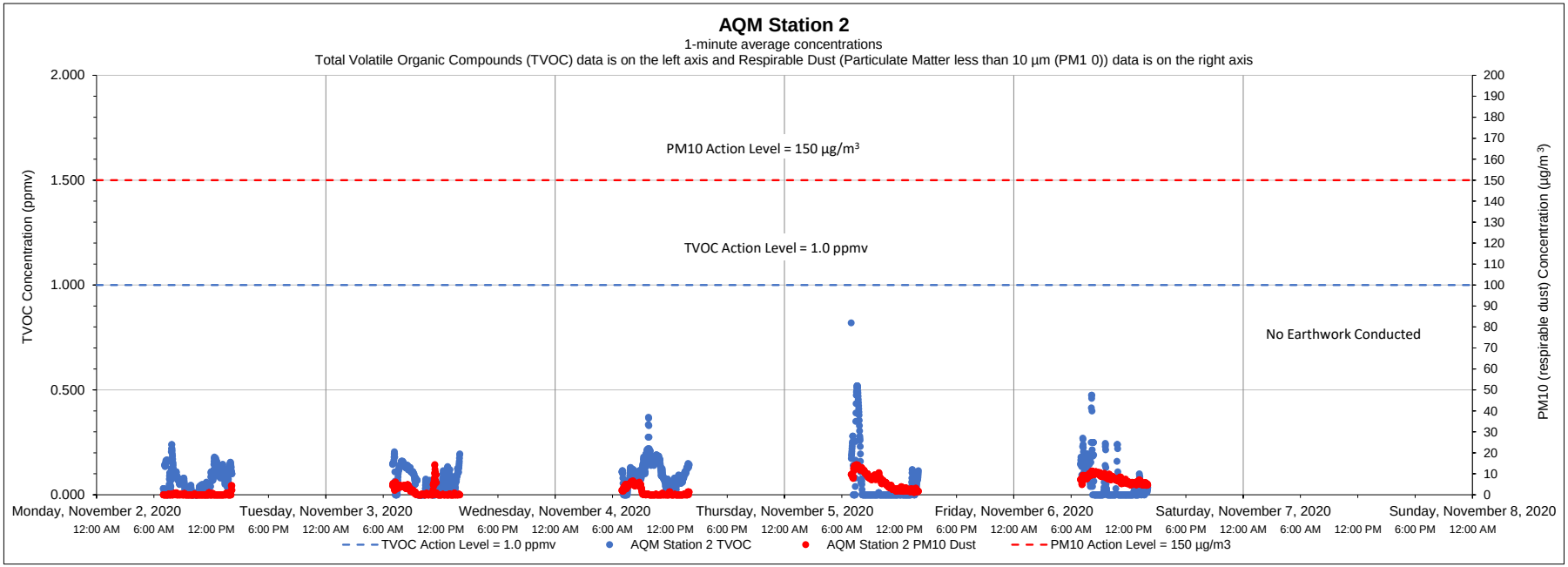

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.82	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.38	µg/m^3
PM10 maximum concentration	14.42	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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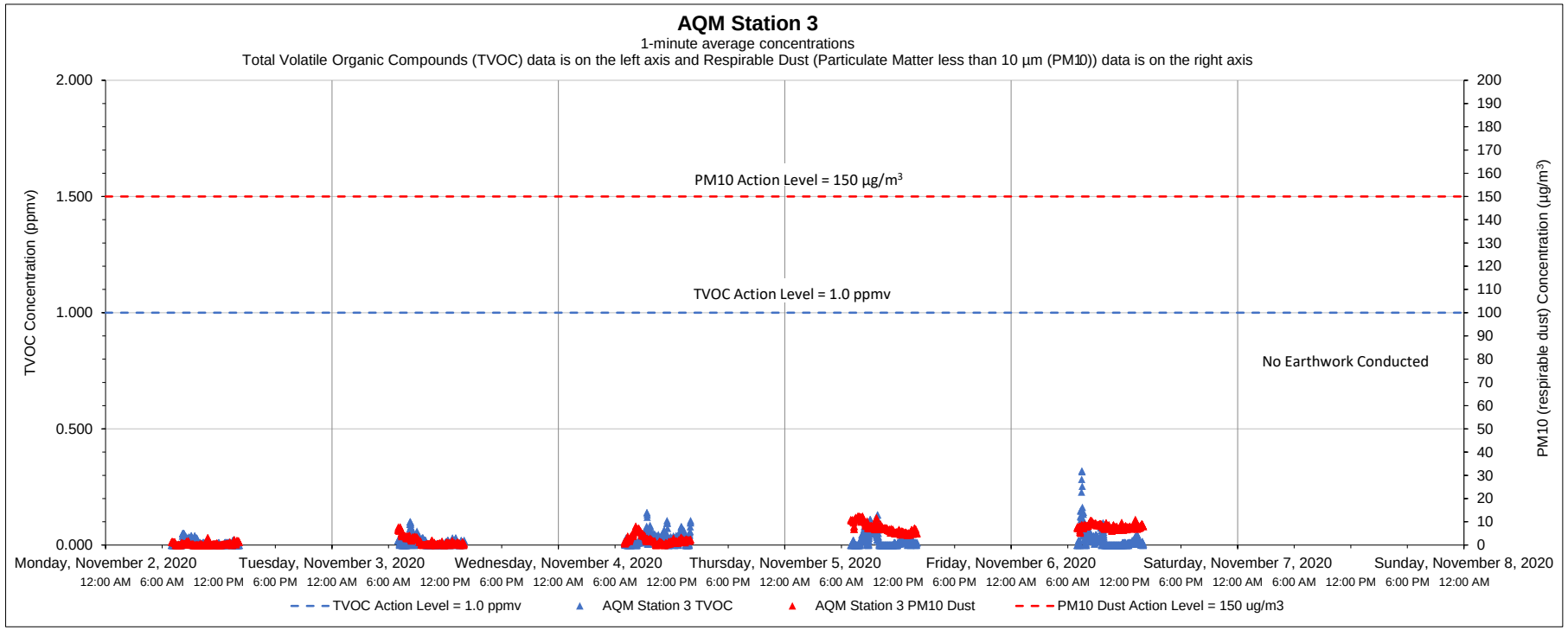

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.01	µg/m³
PM10 maximum concentration	12.47	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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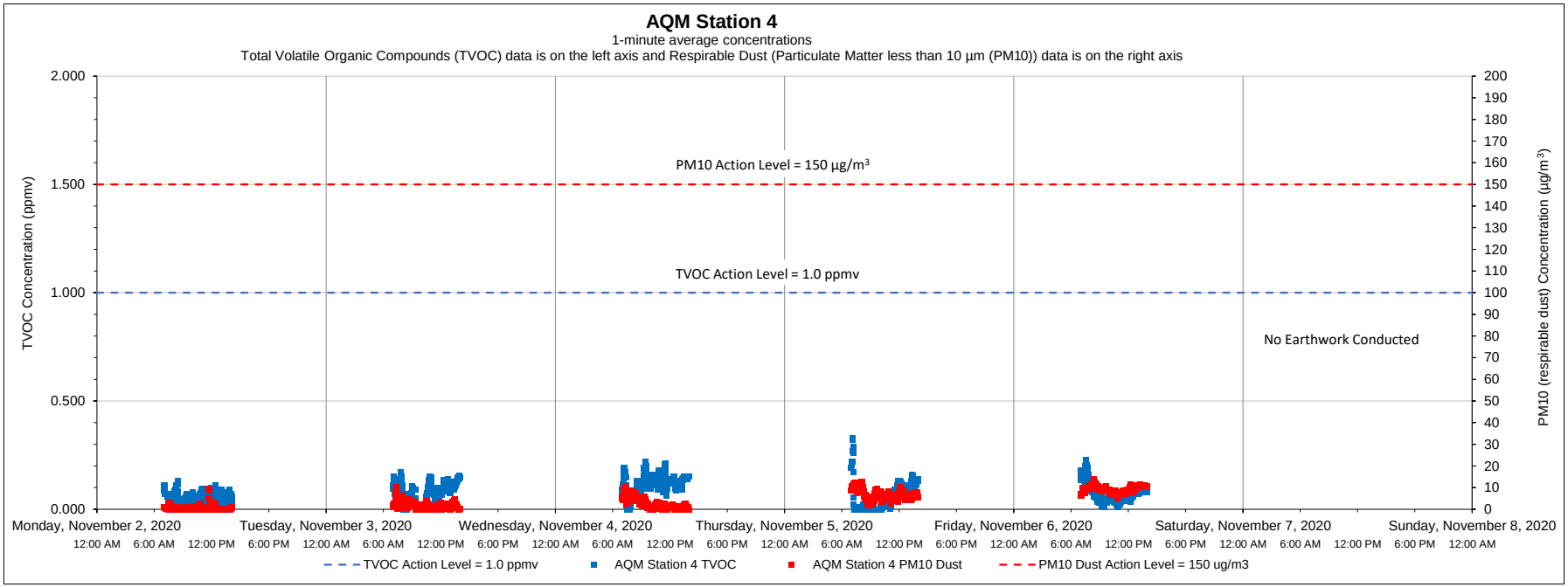

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.33	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.08	µg/m^3
PM10 maximum concentration	14.03	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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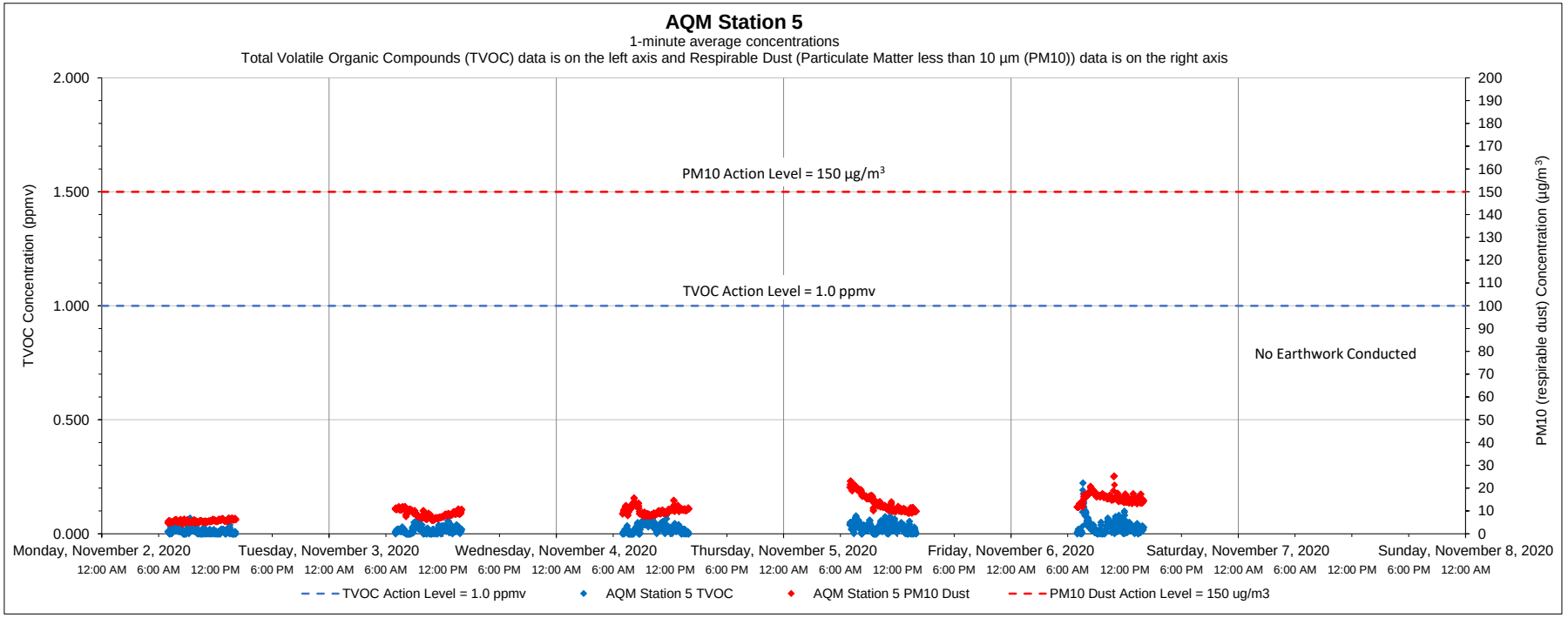

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.22	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.75	µg/m^3
PM10 maximum concentration	25.42	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

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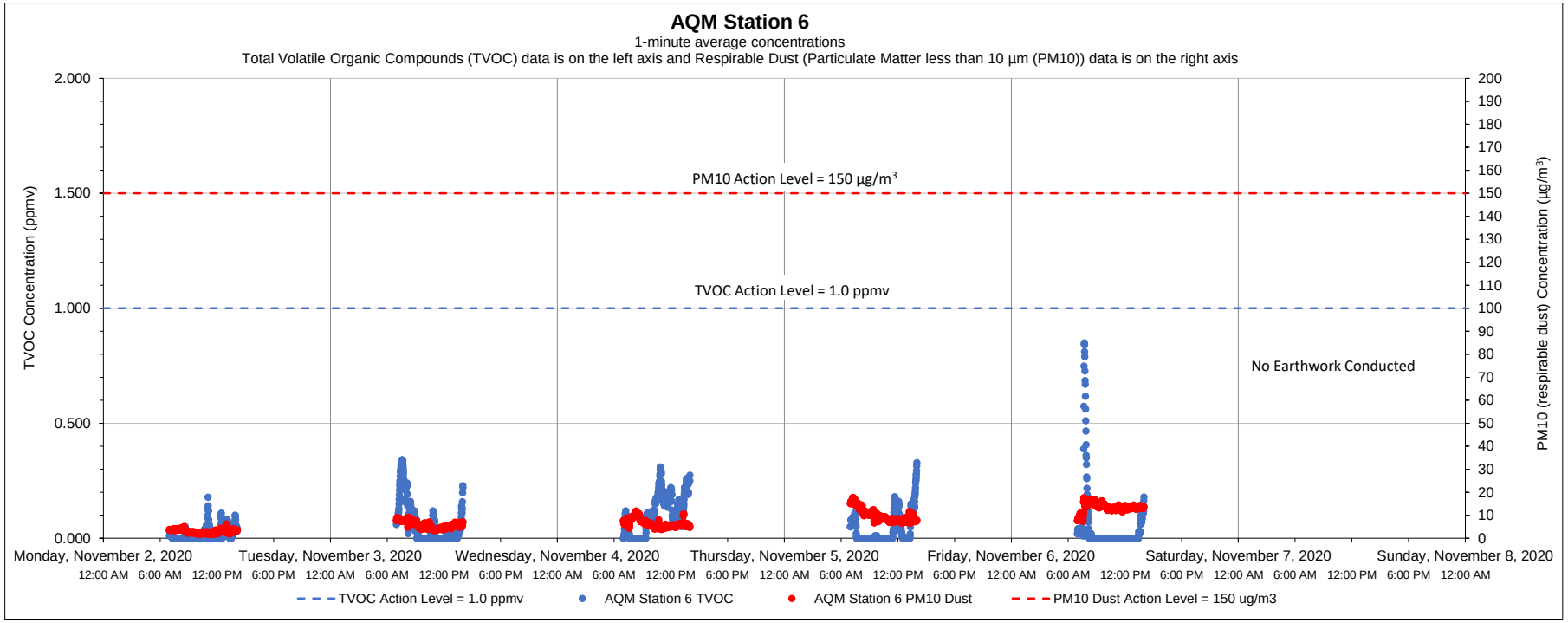

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.85	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.69	µg/m³
PM10 maximum concentration	17.79	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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11/16/2020

Liquefaction Facility Project -

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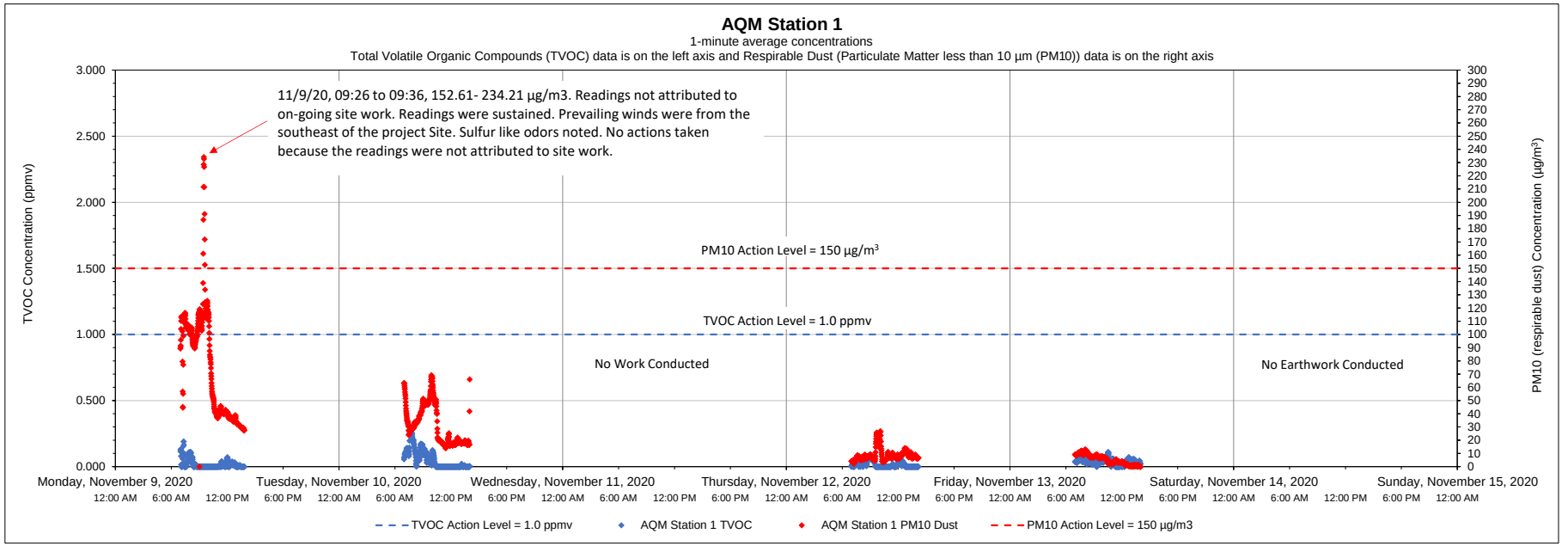

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
11/9/2020	09:26 to 09:36	DUST	152.61- 234.21 µg/m3	No actions taken because the readings were not attributed to site work

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	28.83	µg/m^3
PM10 maximum concentration	234.21	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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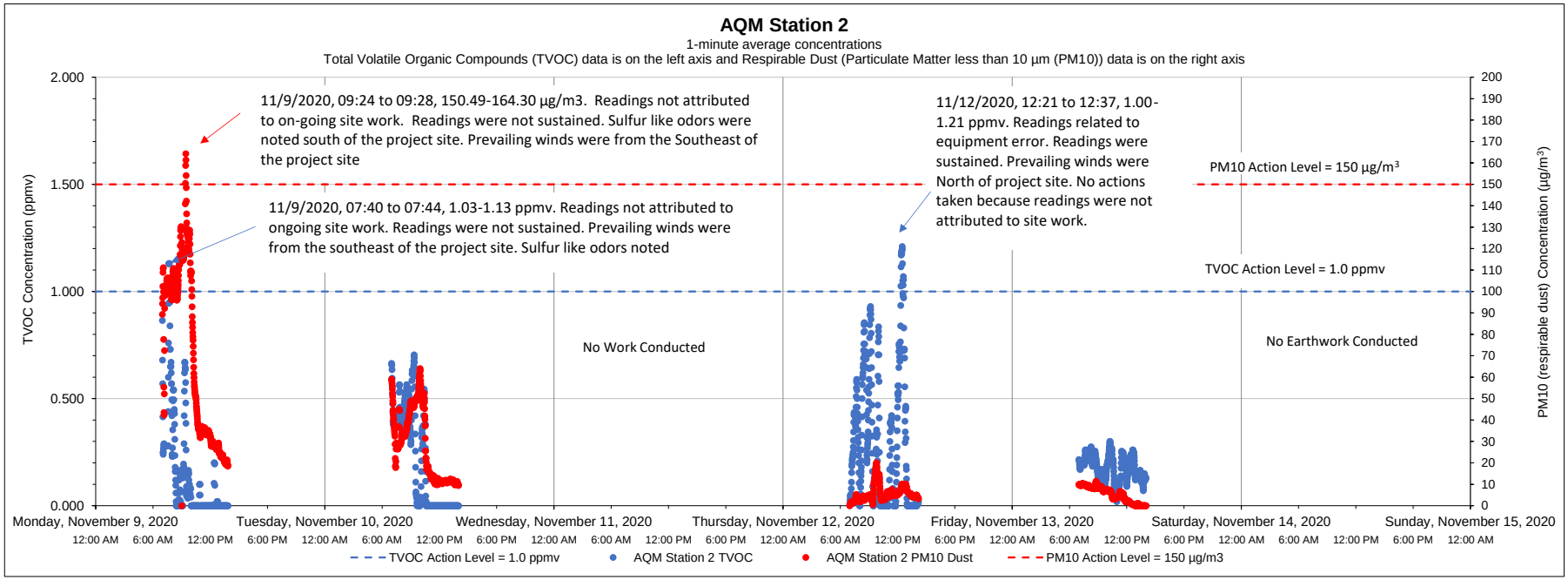

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
11/12/2020 -Equipment error caused sustained action level exceedances. A separate PID was utilized to confirm that the station's readings were inaccurate. No odors
were observed. Equipment was removed from service and replaced

Data Summary Statistics		
TVOCs average concentration	0.20	ppm
TVOCs maximum concentration	1.21	ppm
TVOCs action level	1	ppm
PM10 average concentration	26.15	µg/m³
PM10 maximum concentration	164.30	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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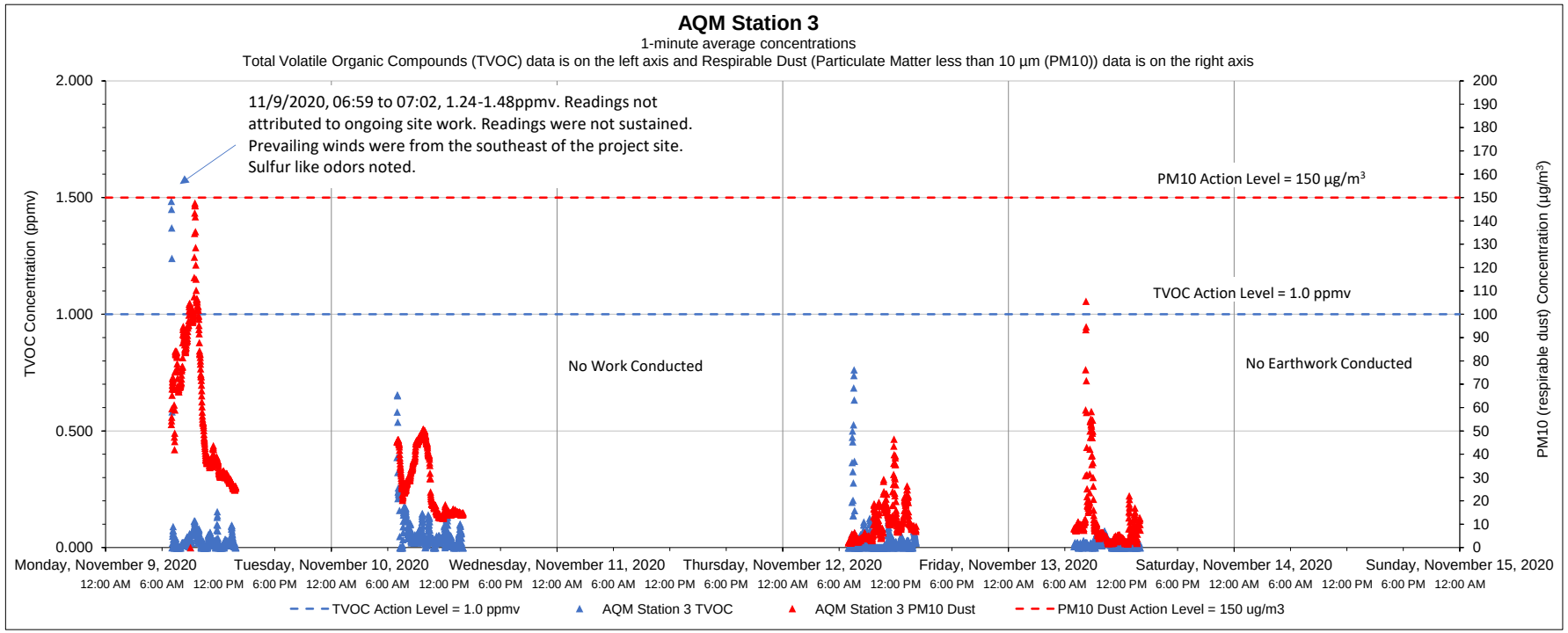

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	26.41	µg/m^3
PM10 maximum concentration	147.62	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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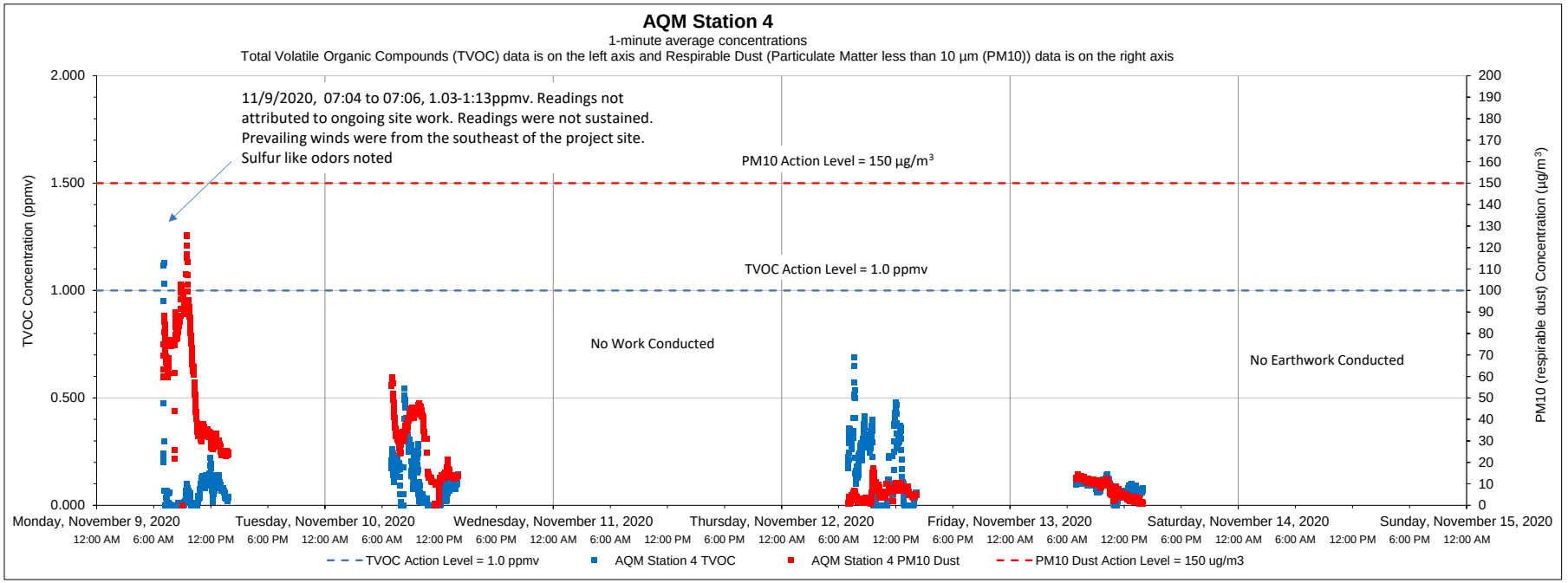

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.11	ppm
TVOCs maximum concentration	1.13	ppm
TVOCs action level	1	ppm
PM10 average concentration	23.36	µg/m^3
PM10 maximum concentration	125.66	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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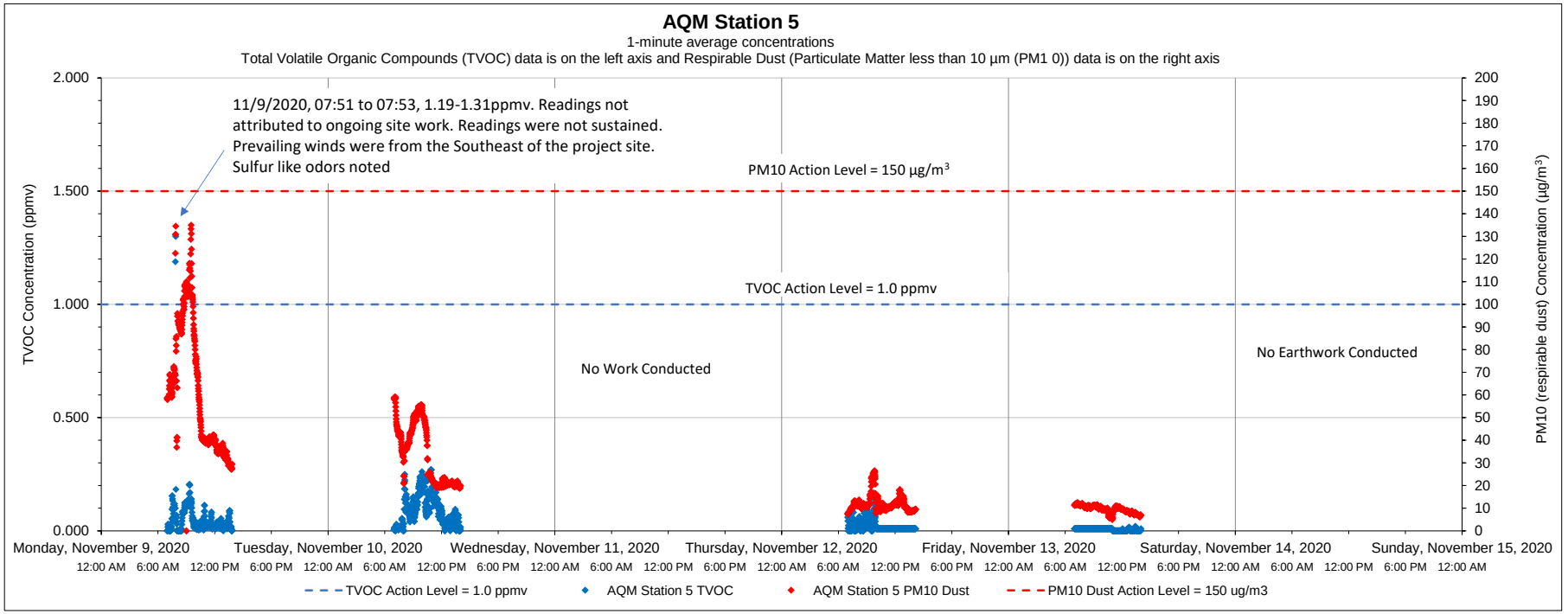

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	28.71	µg/m^3
PM10 maximum concentration	135.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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Prepared by GZA on behalf of National Grid LNG LLC

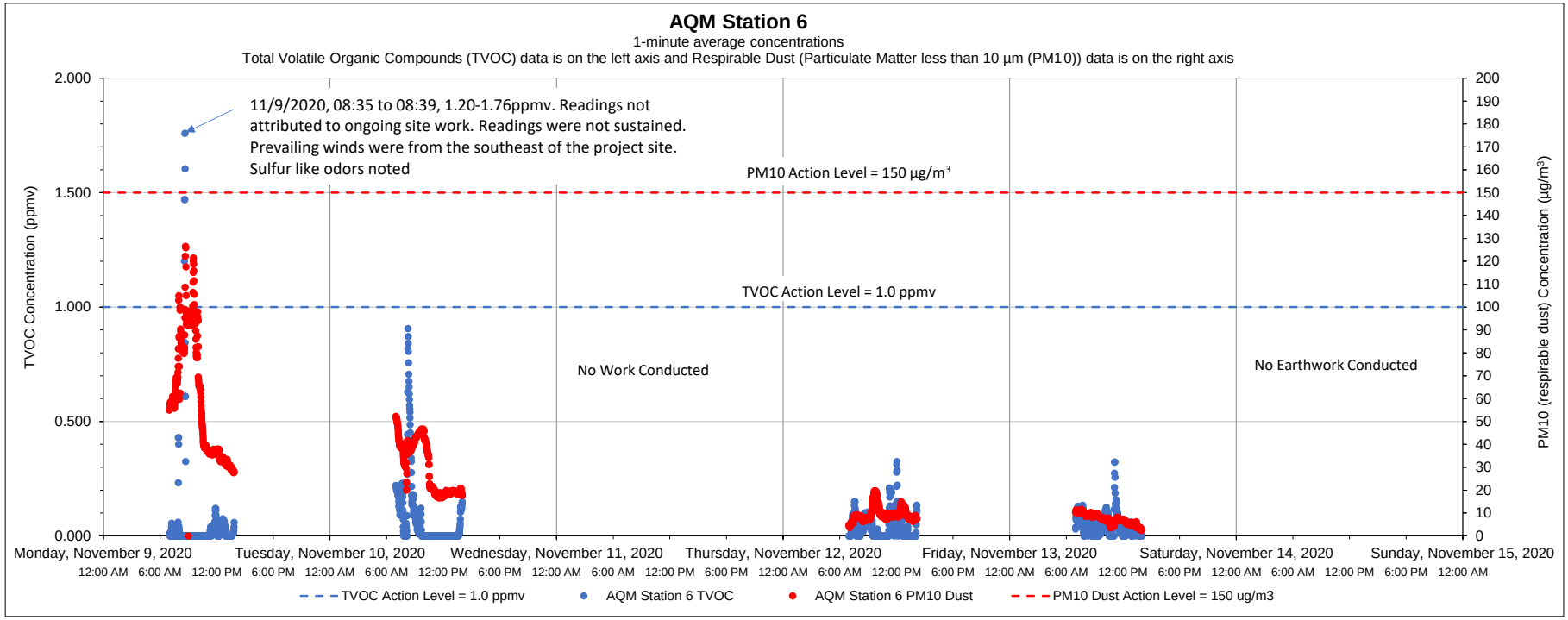
GZA Job No. 03.0033554.04

11/16/2020

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.76	ppm
TVOCs action level	1	ppm
PM10 average concentration	25.80	µg/m^3
PM10 maximum concentration	126.58	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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GZA Job No. 03.0033554.04

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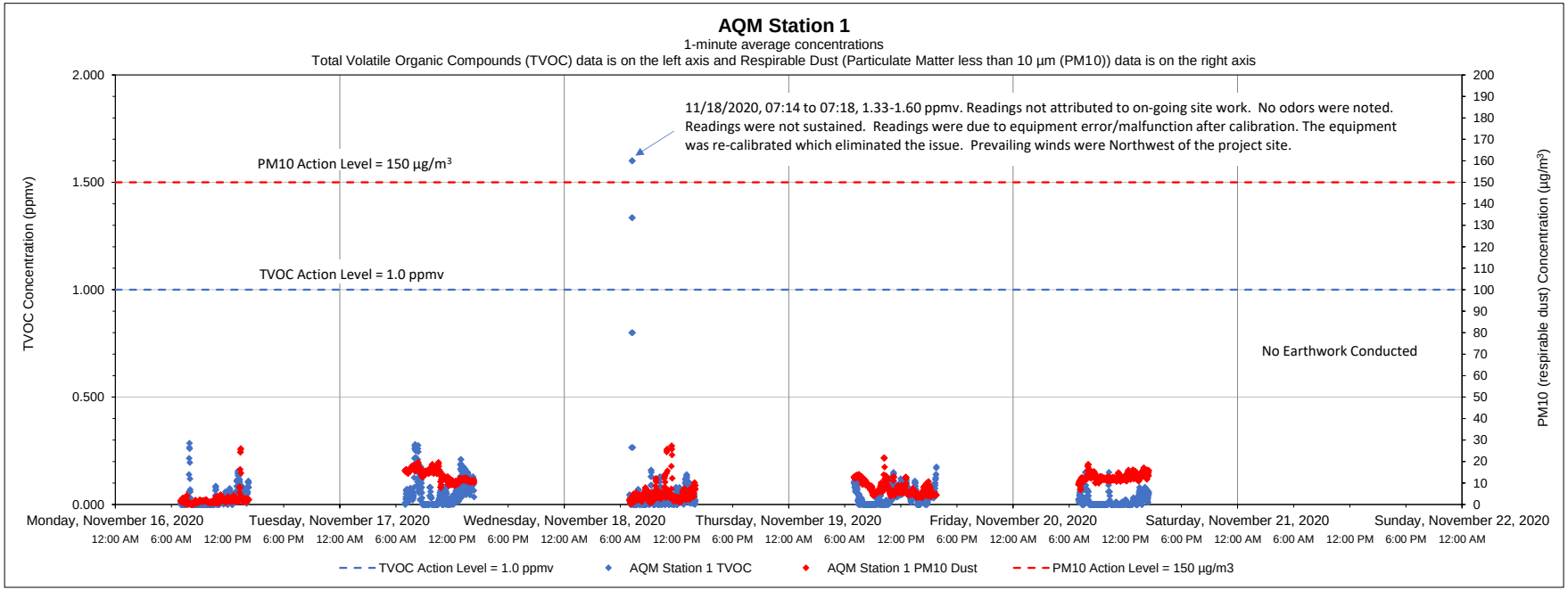

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
PID equipment experienced malfunction when calibrating station.

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.60	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.02	µg/m^3
PM10 maximum concentration	27.28	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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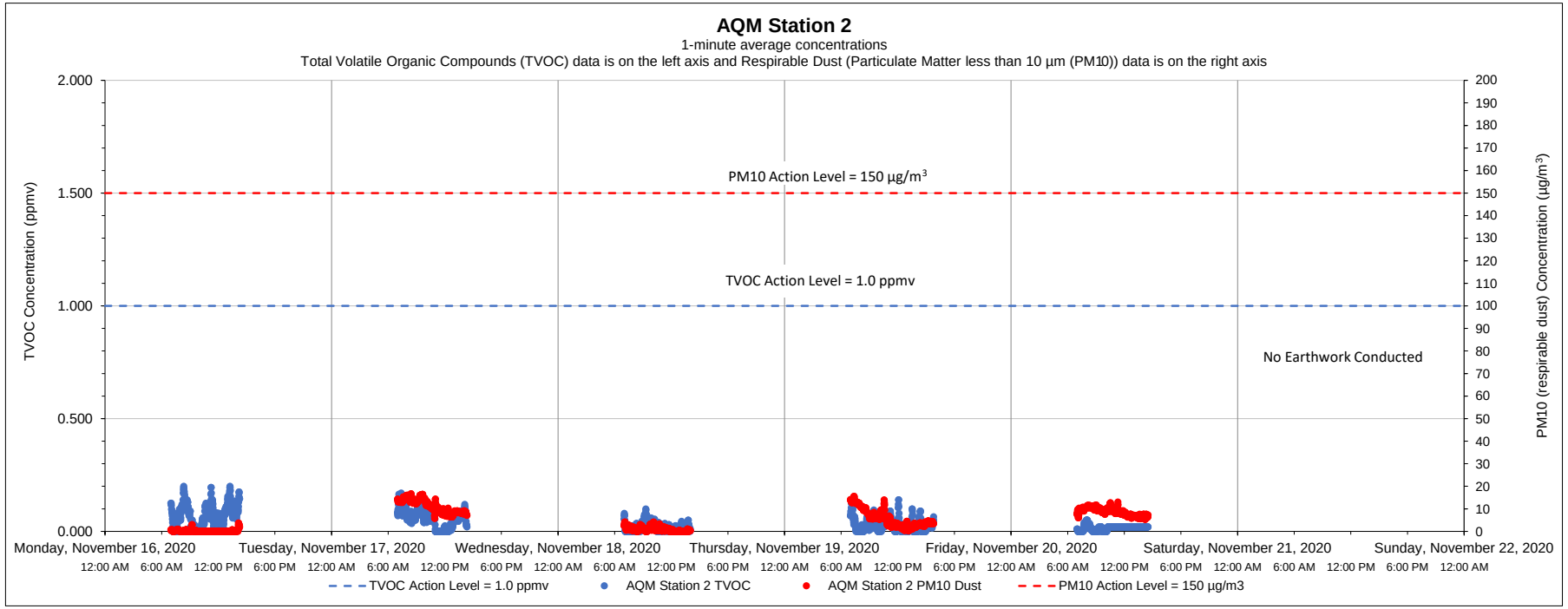

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.41	µg/m^3
PM10 maximum concentration	16.72	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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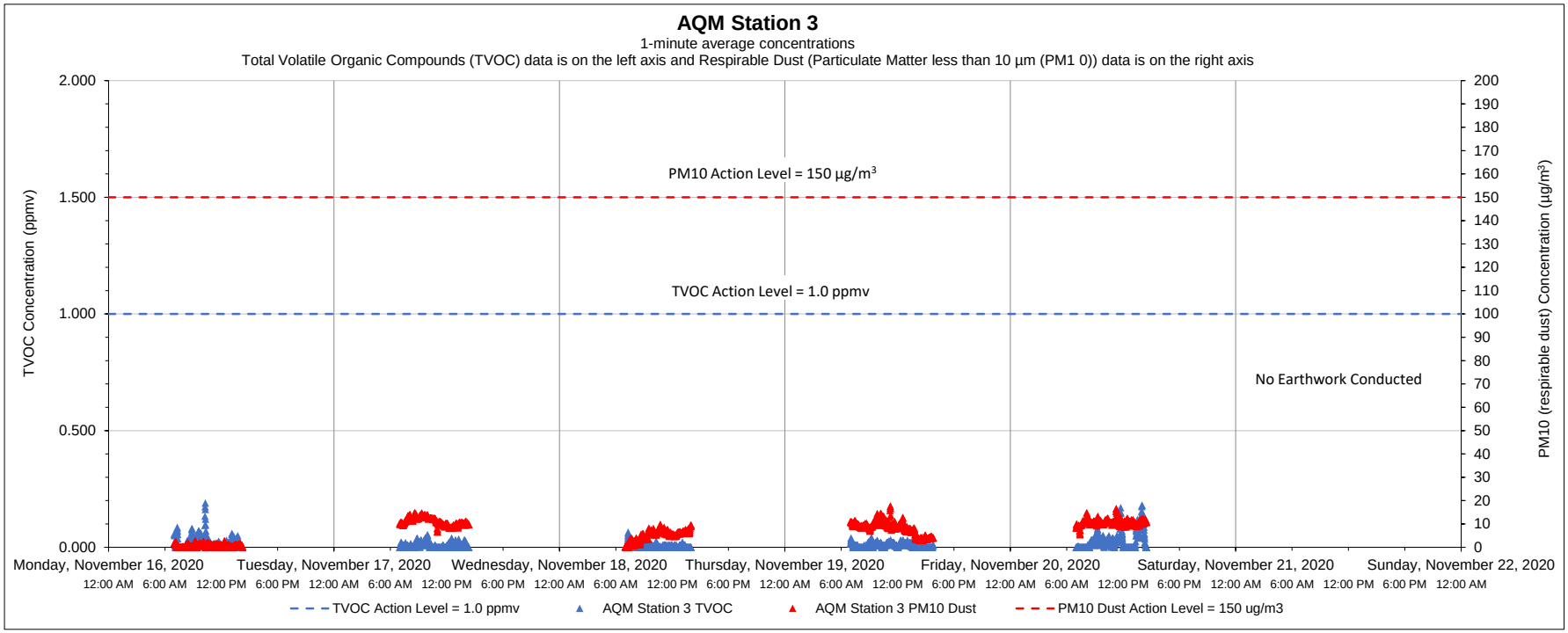

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.30	µg/m^3
PM10 maximum concentration	17.73	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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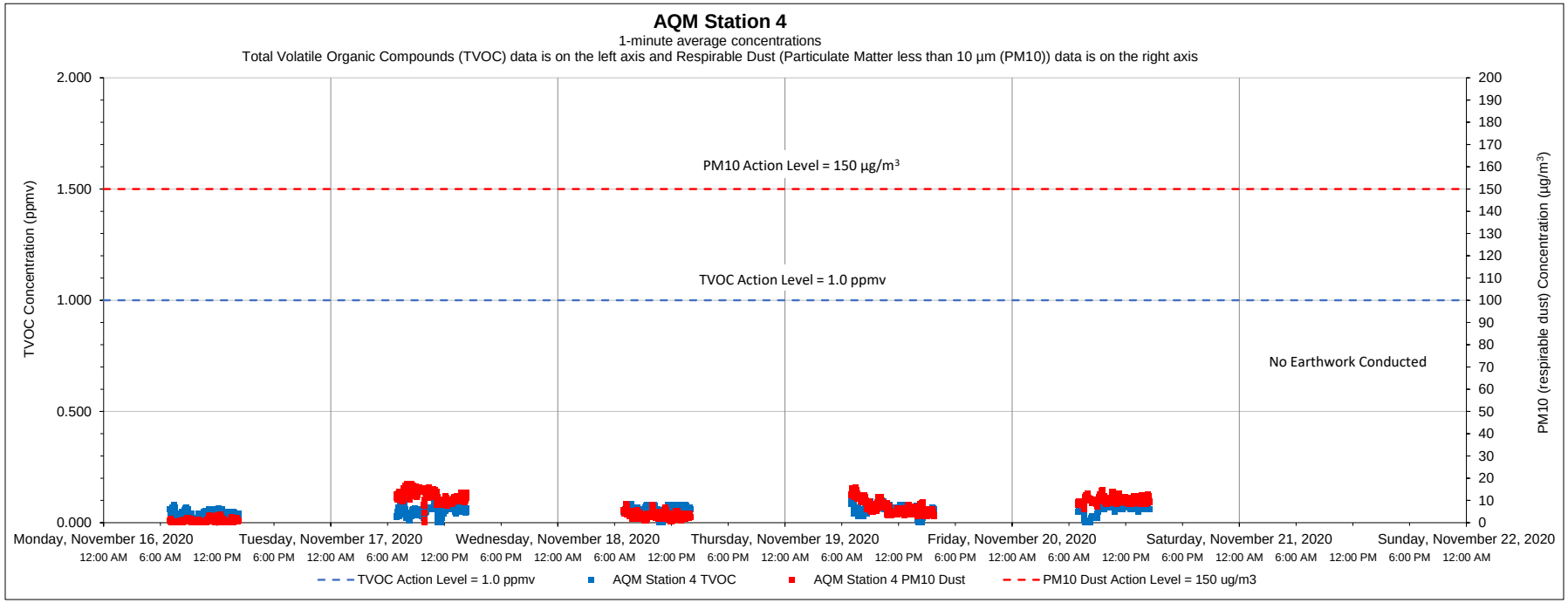

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.69	µg/m³
PM10 maximum concentration	17.47	µg/m³
PM10 action level	150	µg/m³

Notes:

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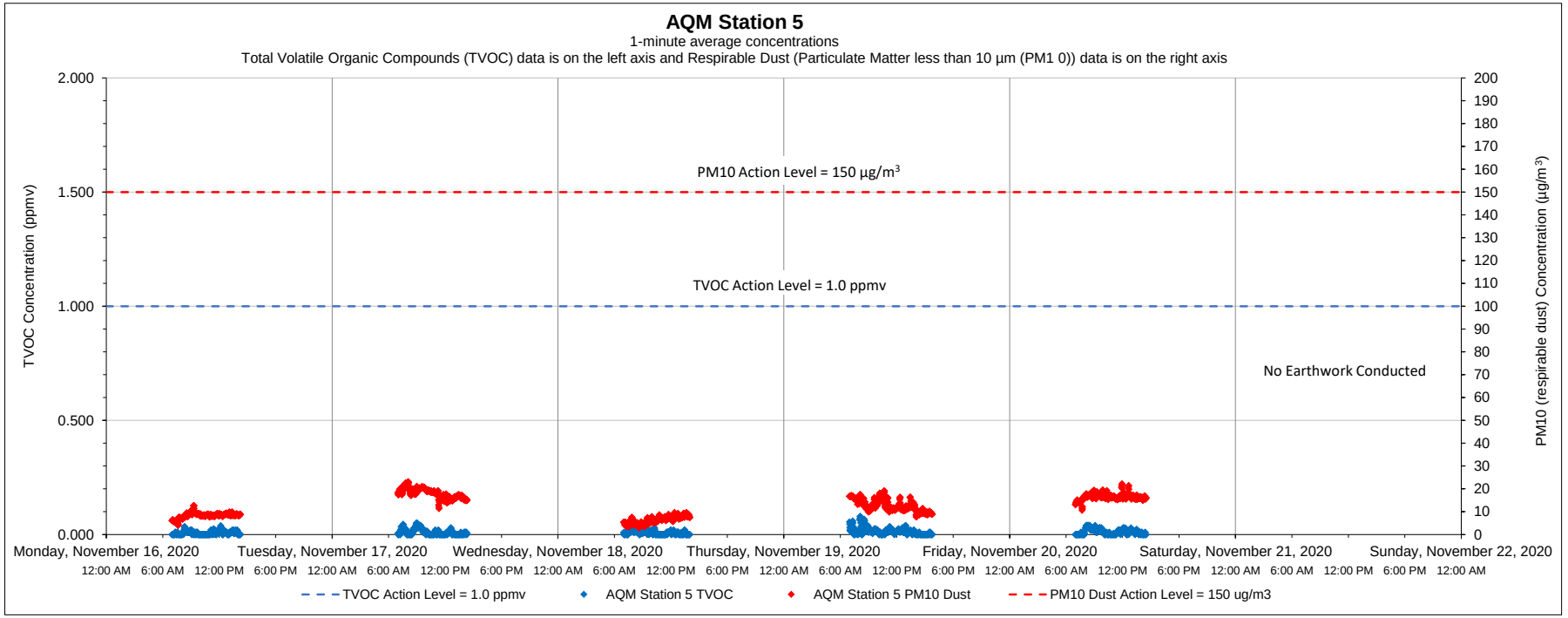

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.08	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.44	µg/m^3
PM10 maximum concentration	23.15	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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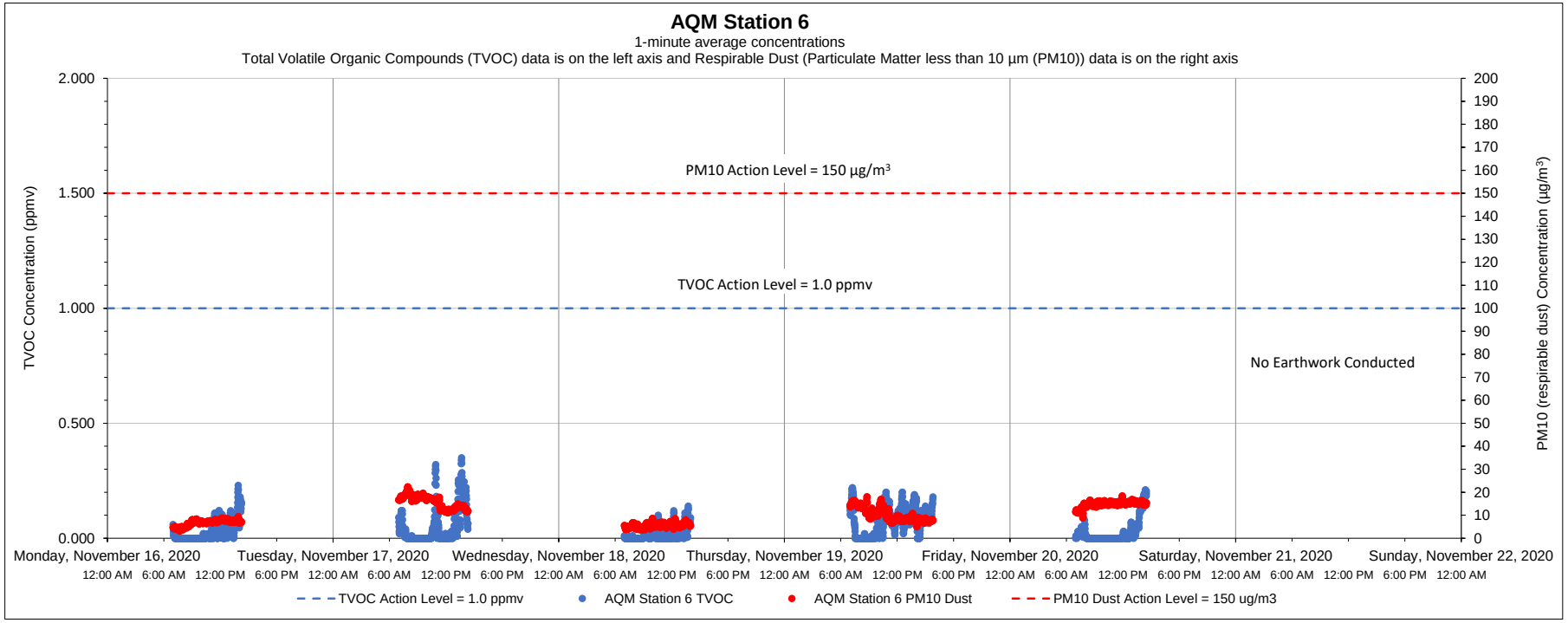

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.35	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.57	µg/m^3
PM10 maximum concentration	22.40	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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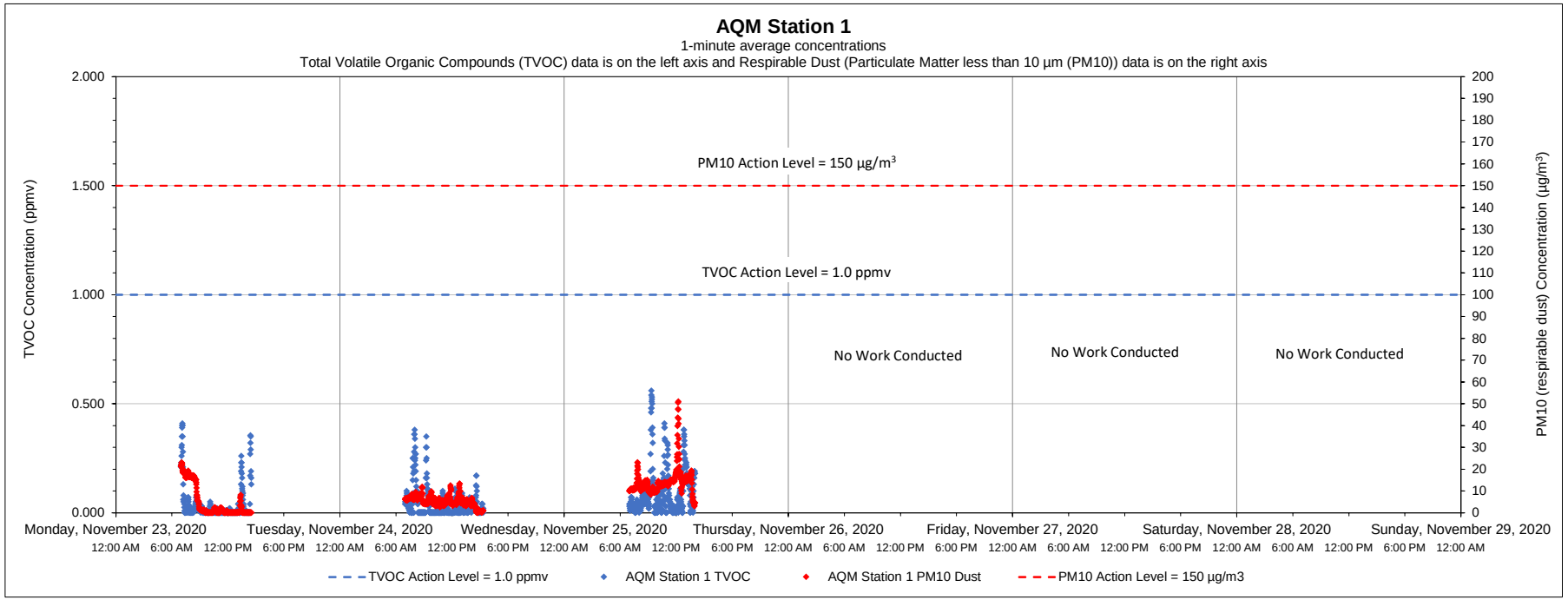

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.56	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.61	µg/m³
PM10 maximum concentration	51.03	µg/m³
PM10 action level	150	µg/m³

Notes:

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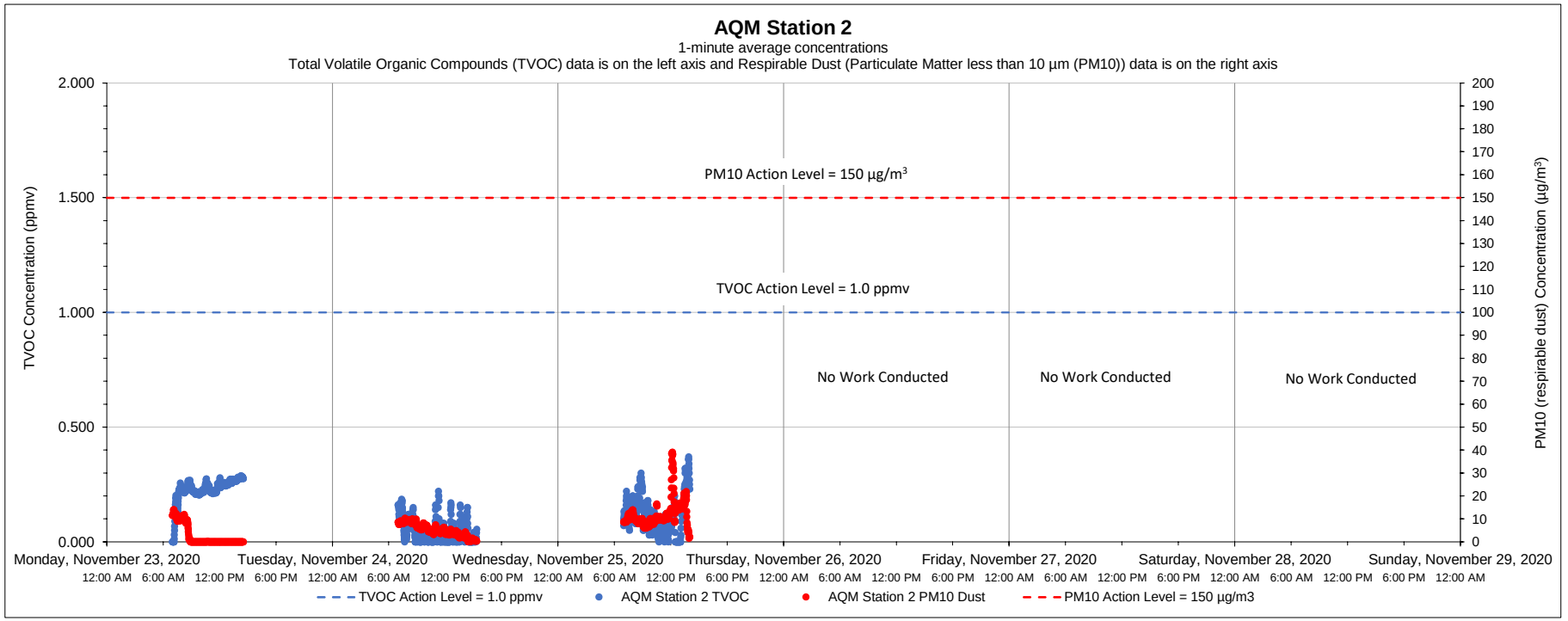

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.13	ppm
TVOCs maximum concentration	0.37	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.20	µg/m^3
PM10 maximum concentration	39.03	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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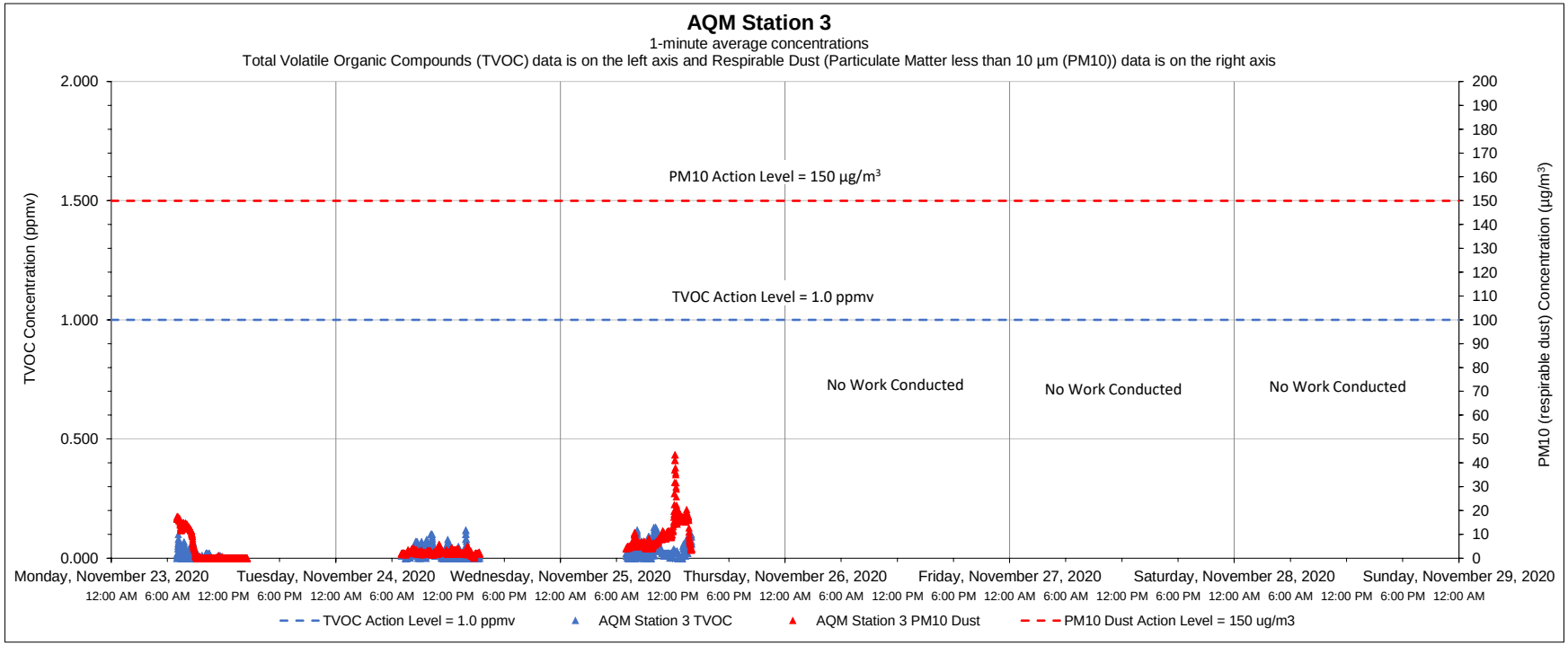

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.13	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.05	µg/m^3
PM10 maximum concentration	43.43	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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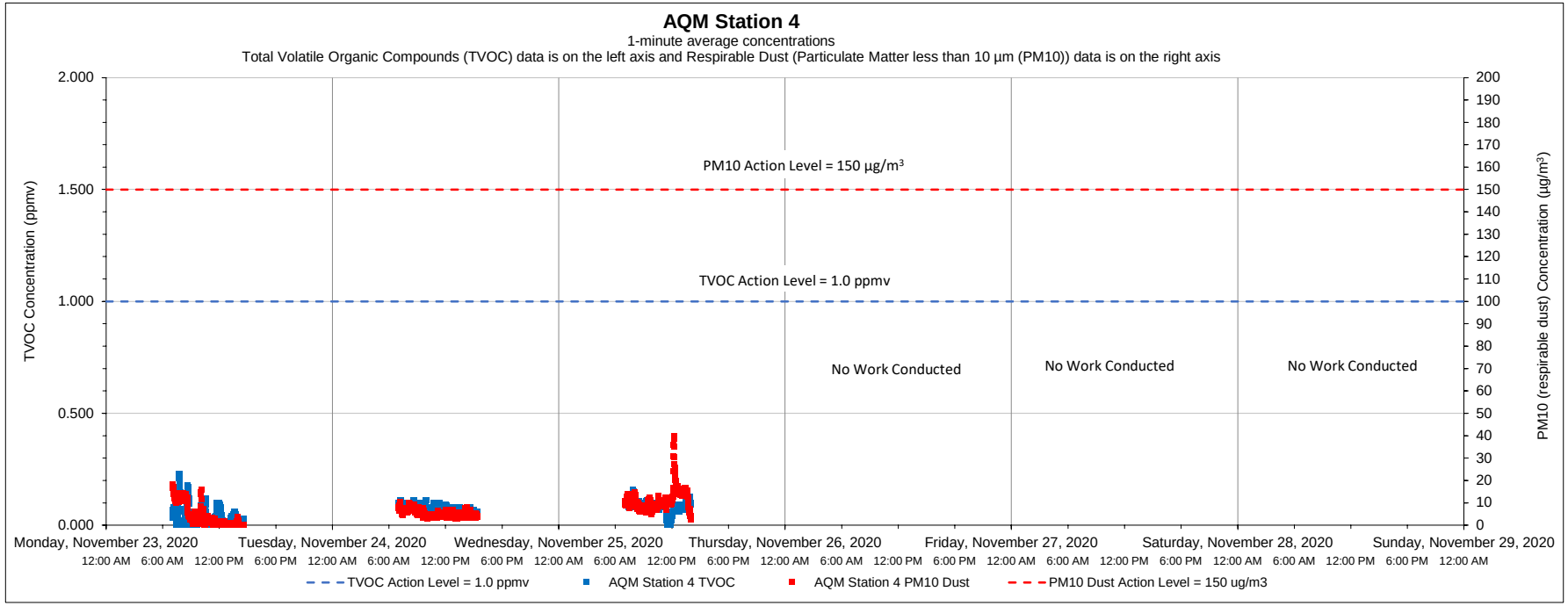

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.23	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.67	µg/m³
PM10 maximum concentration	39.89	µg/m³
PM10 action level	150	µg/m³

Notes:

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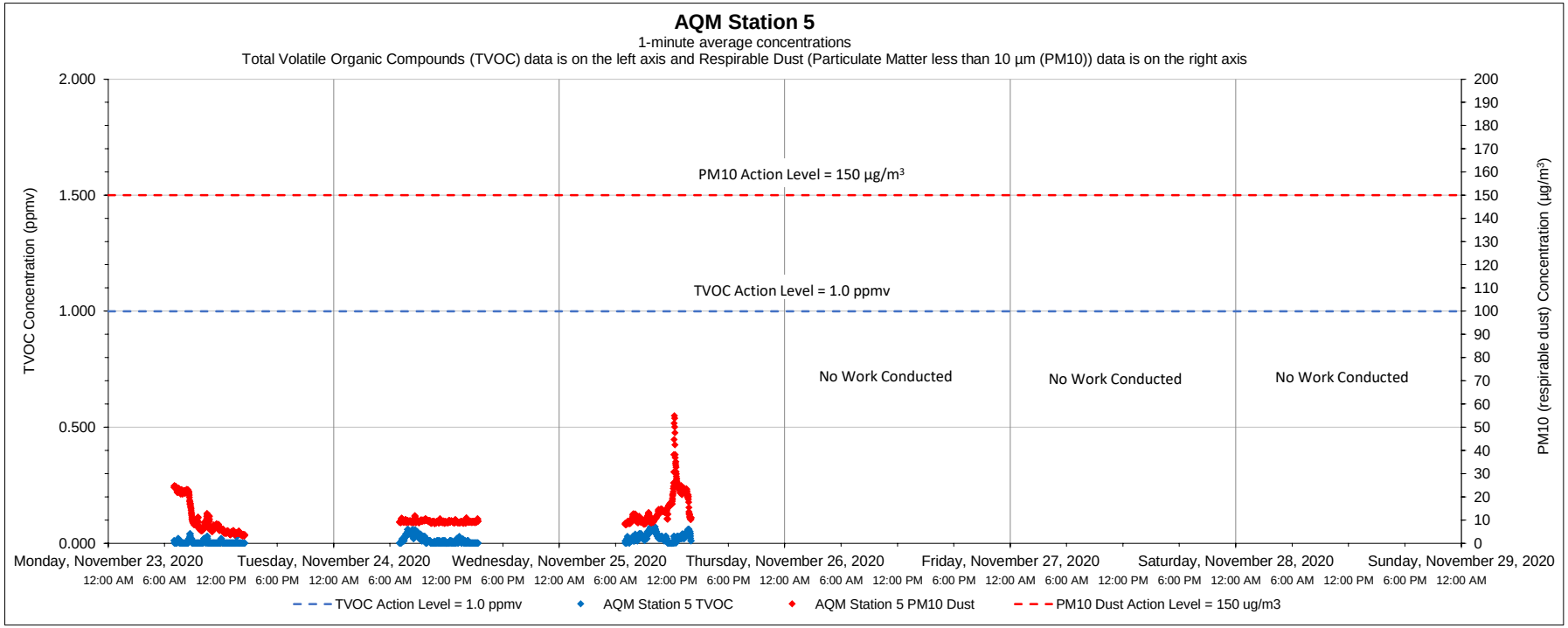

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.07	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.30	µg/m³
PM10 maximum concentration	54.98	µg/m³
PM10 action level	150	µg/m³

Notes:

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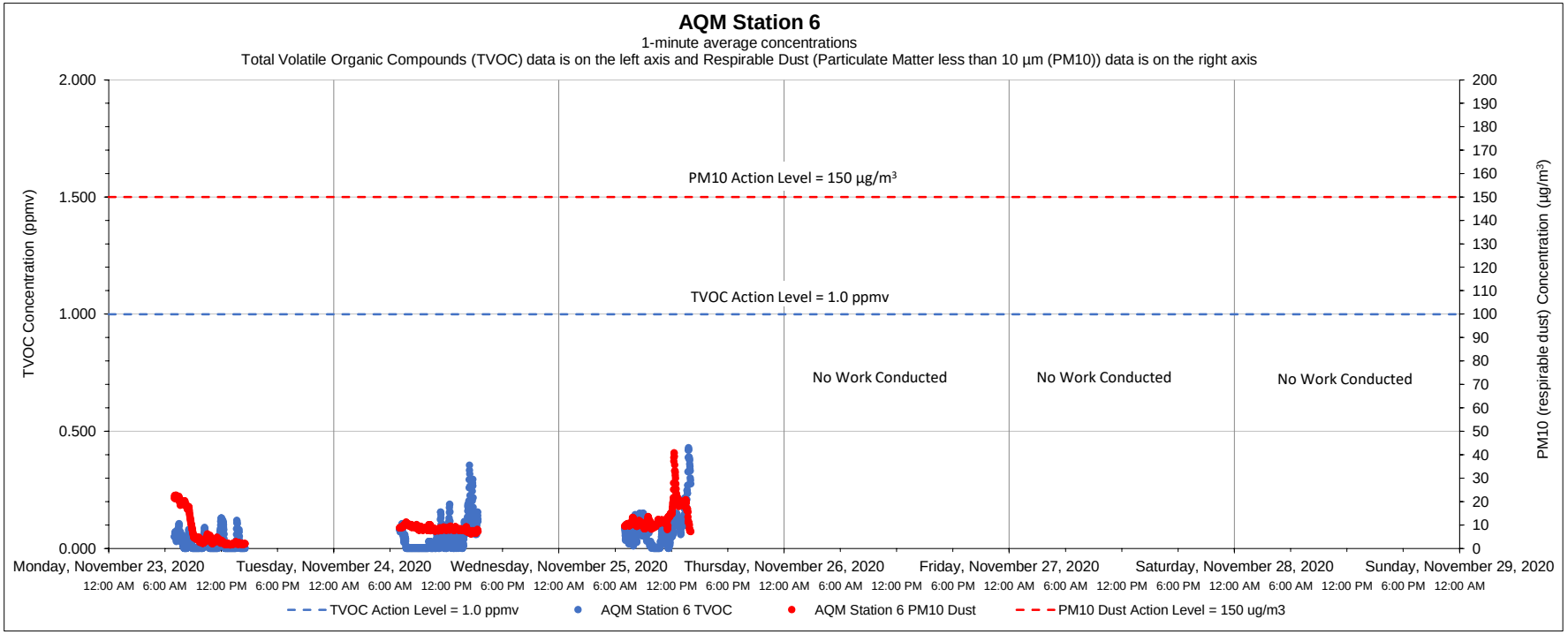

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.43	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.38	µg/m³
PM10 maximum concentration	40.85	µg/m³
PM10 action level	150	µg/m³

Notes:

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12/07/2020

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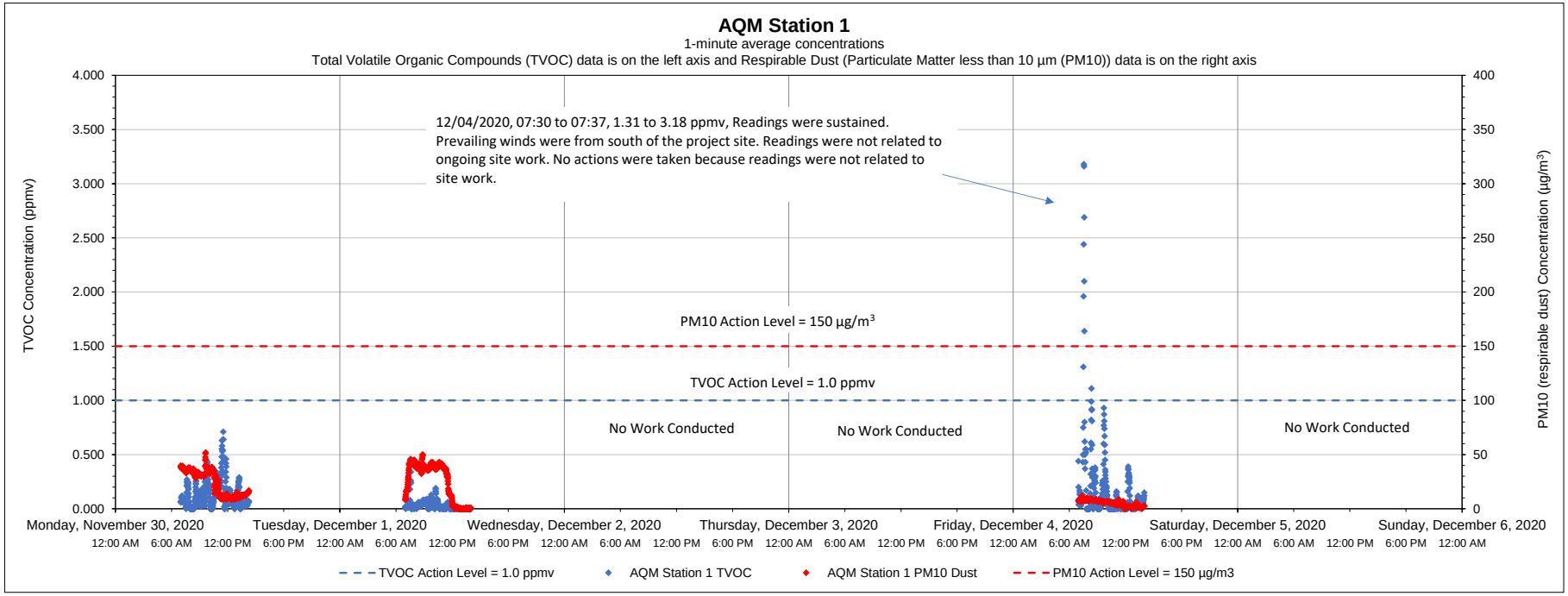

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
12/4/2020	7:30-7:37	TVOC	1.31 to 3.18 ppmv	No actions taken, readings not related to site work.

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.10	ppm
TVOCs maximum concentration	3.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.13	µg/m³
PM10 maximum concentration	51.91	µg/m³
PM10 action level	150	µg/m³

Notes:

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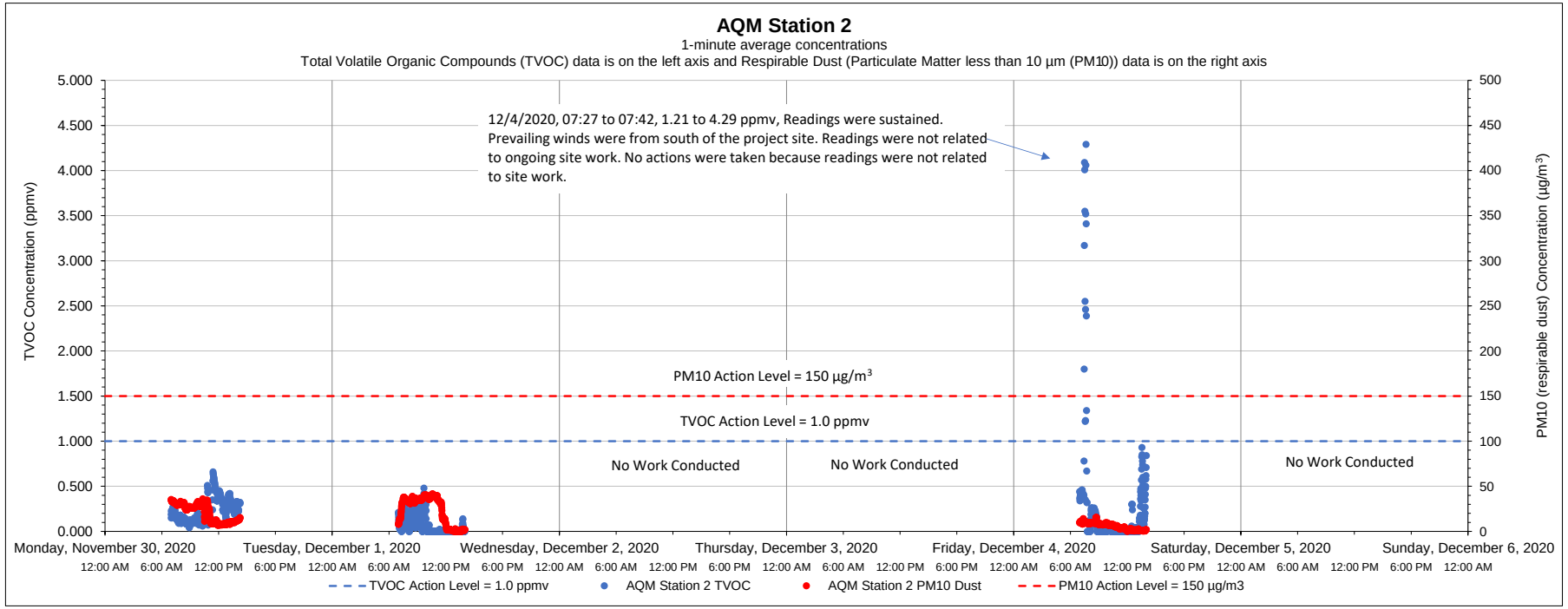

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
12/4/2020	7:27 to 7:42	TVOC	1.21 to 4.29 ppmv	No actions taken, readings not related to site work

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.16	ppm
TVOCs maximum concentration	4.29	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.67	µg/m^3
PM10 maximum concentration	41.72	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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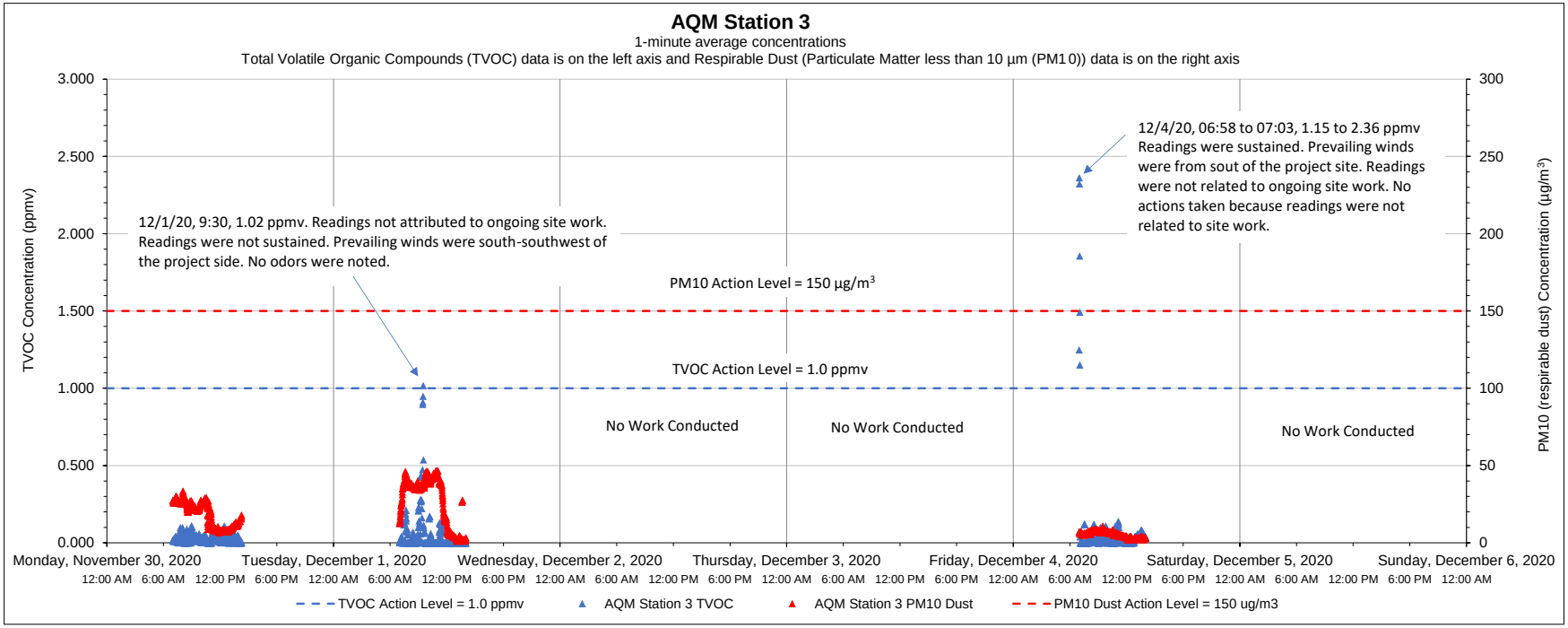

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
12/4/2020	6:58 to 7:03	TVOC	1.15 to 2.36 ppmv	No actions taken, readings not related to site work

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	2.36	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.07	µg/m^3
PM10 maximum concentration	46.51	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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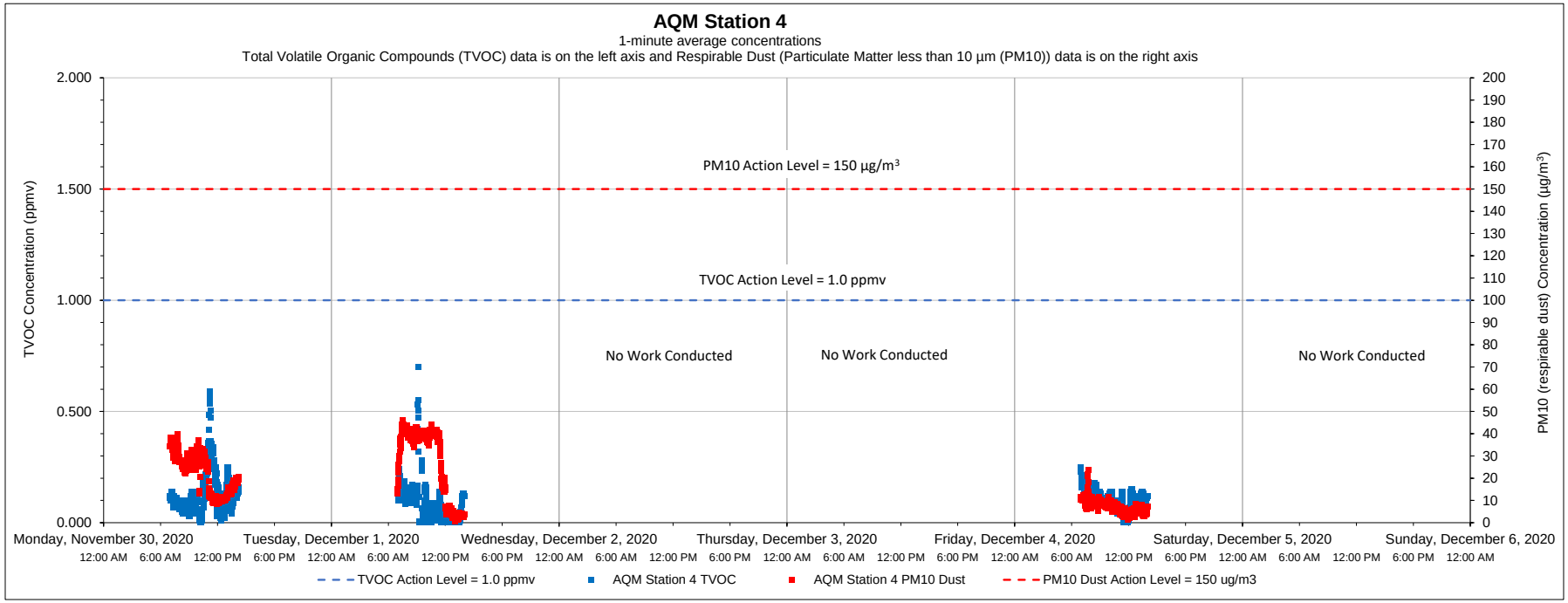
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.11	ppm
TVOCs maximum concentration	0.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.81	µg/m³
PM10 maximum concentration	46.07	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

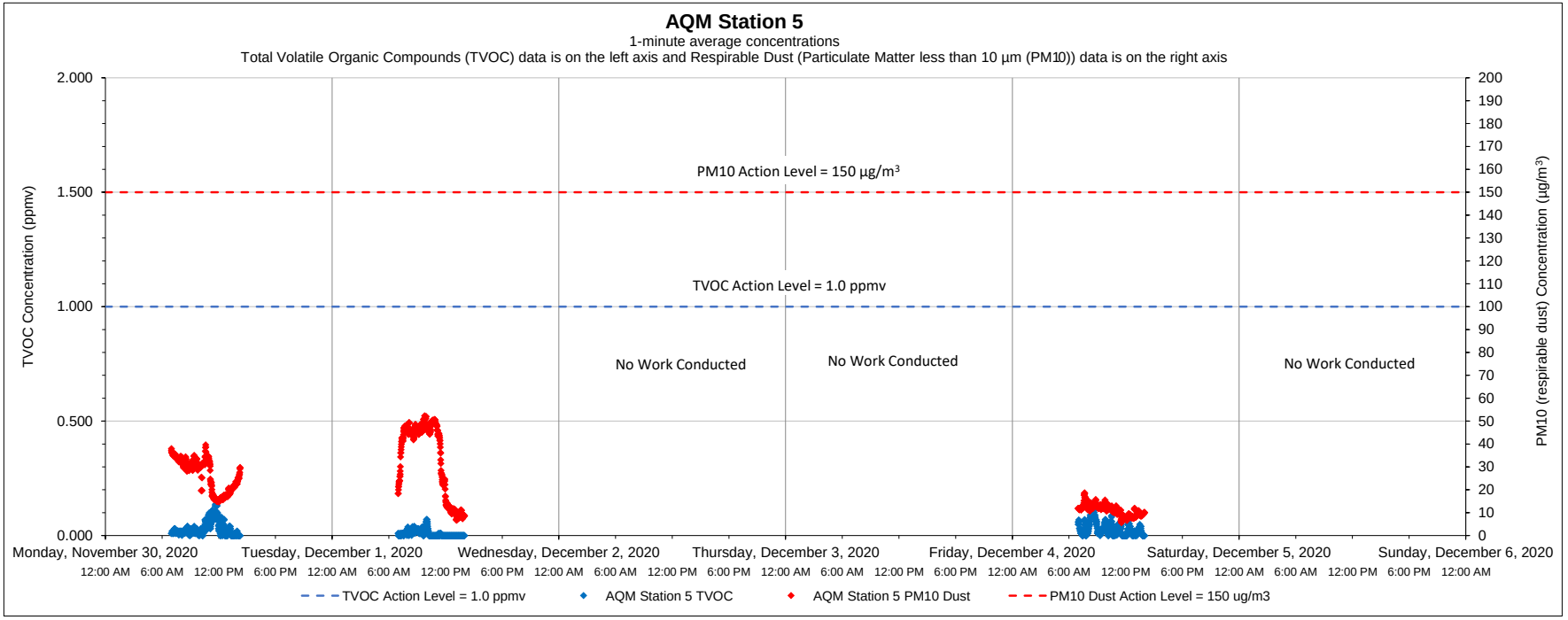
GZA Job No. 03.0033554.04

12/07/2020

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.14	ppm
TVOCs action level	1	ppm
PM10 average concentration	23.71	µg/m³
PM10 maximum concentration	52.32	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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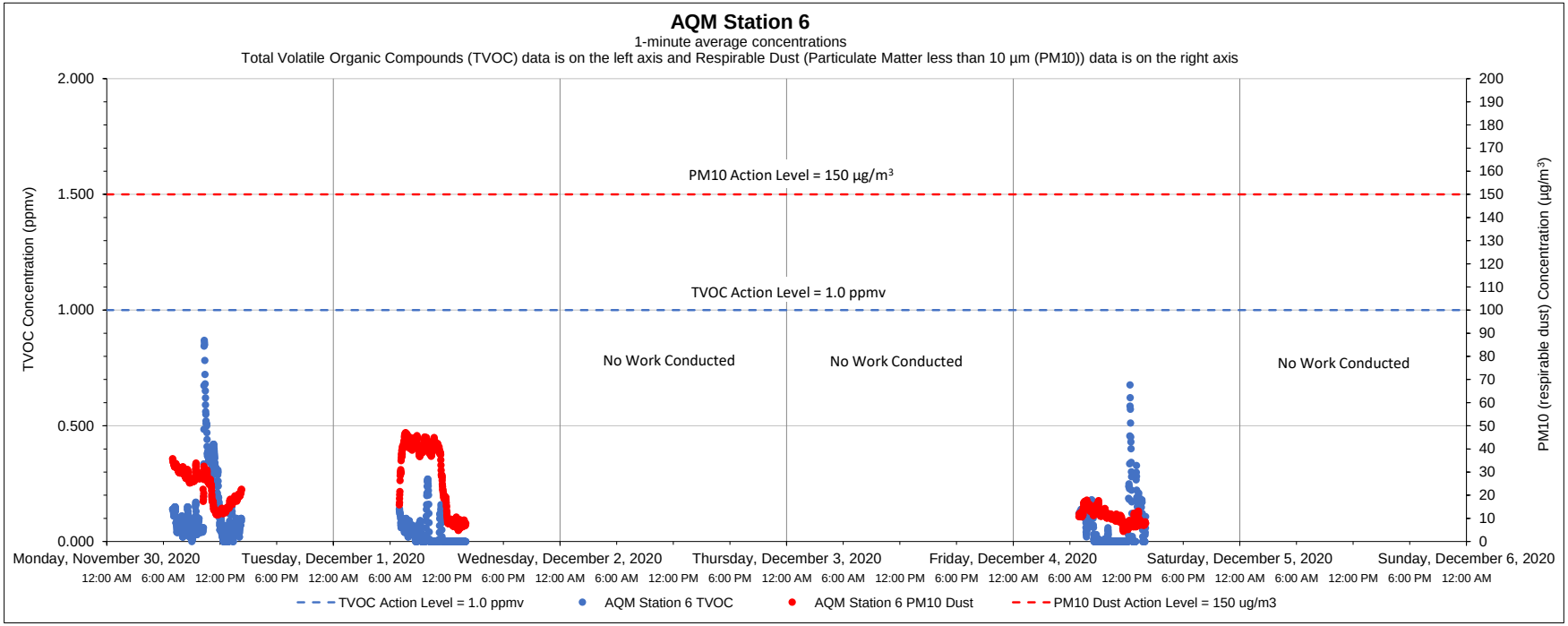

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.87	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.22	µg/m³
PM10 maximum concentration	47.05	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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12/14/2020

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

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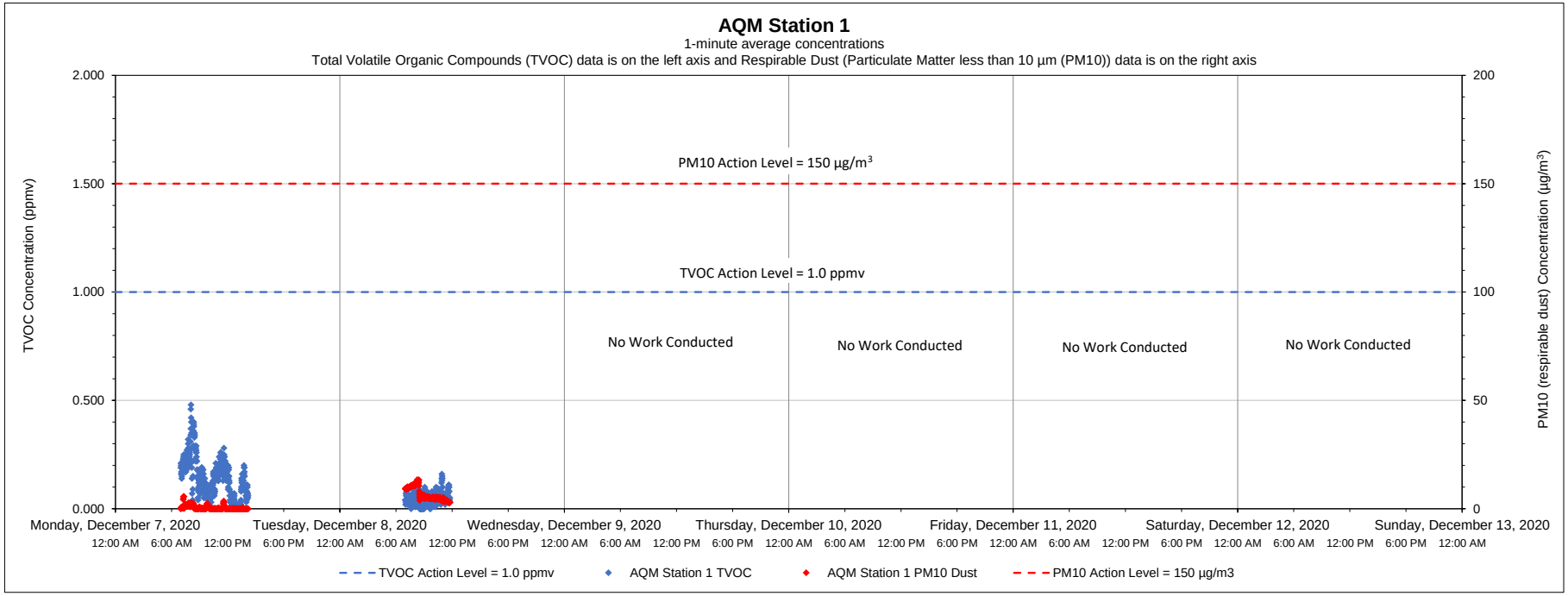

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.10	ppm
TVOCs maximum concentration	0.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.95	µg/m^3
PM10 maximum concentration	13.43	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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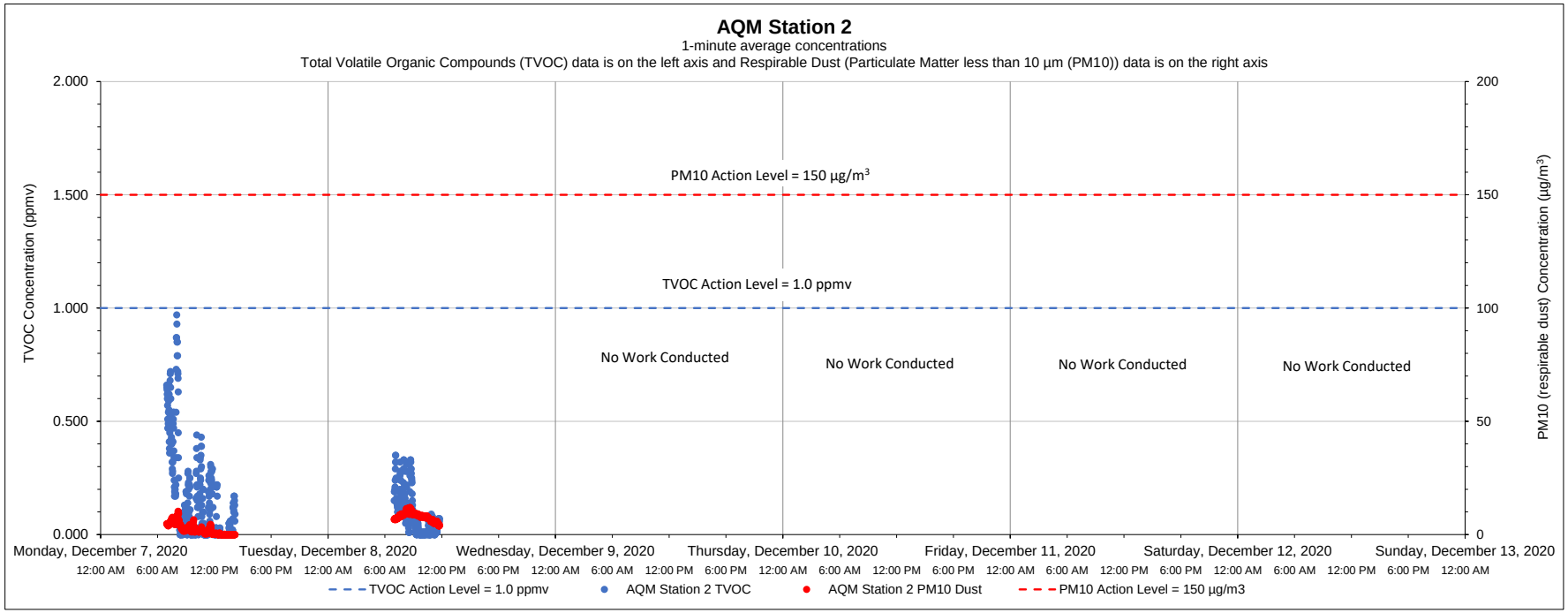

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.12	ppm
TVOCs maximum concentration	0.97	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.51	µg/m^3
PM10 maximum concentration	11.93	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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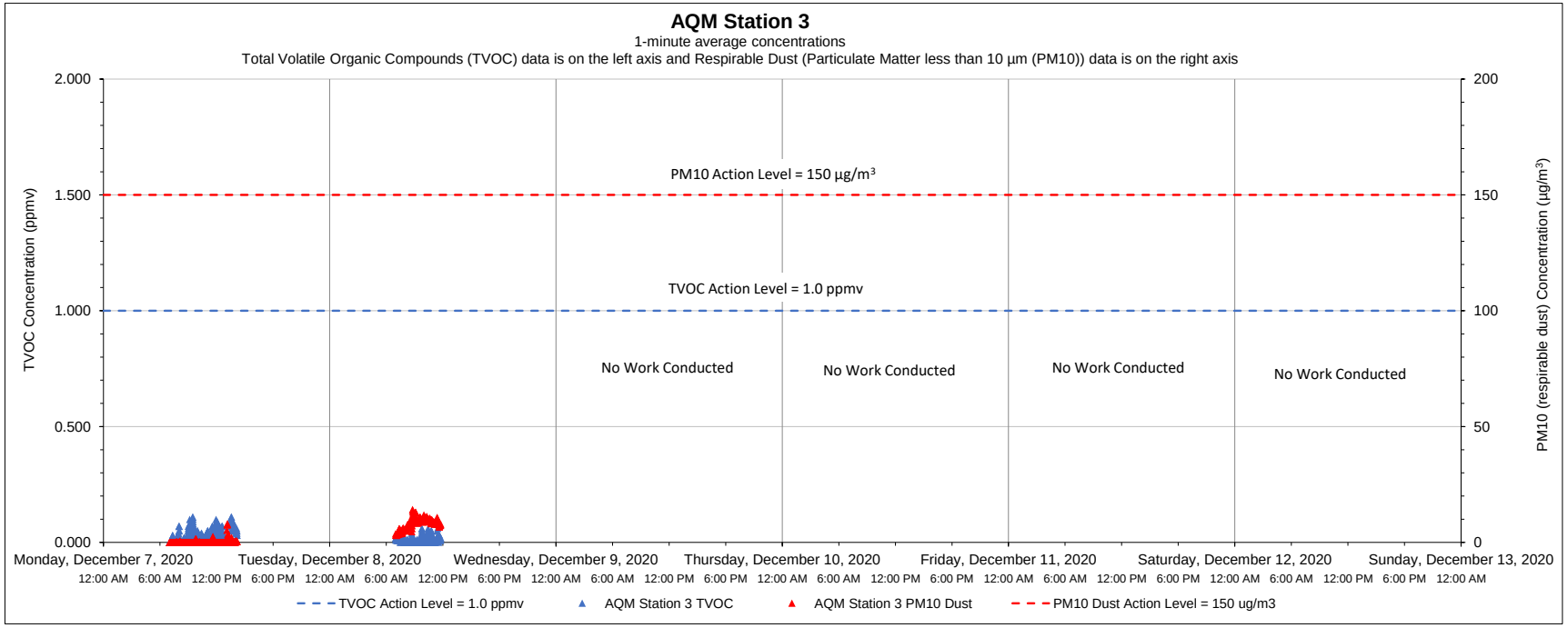

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.11	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.42	µg/m^3
PM10 maximum concentration	14.20	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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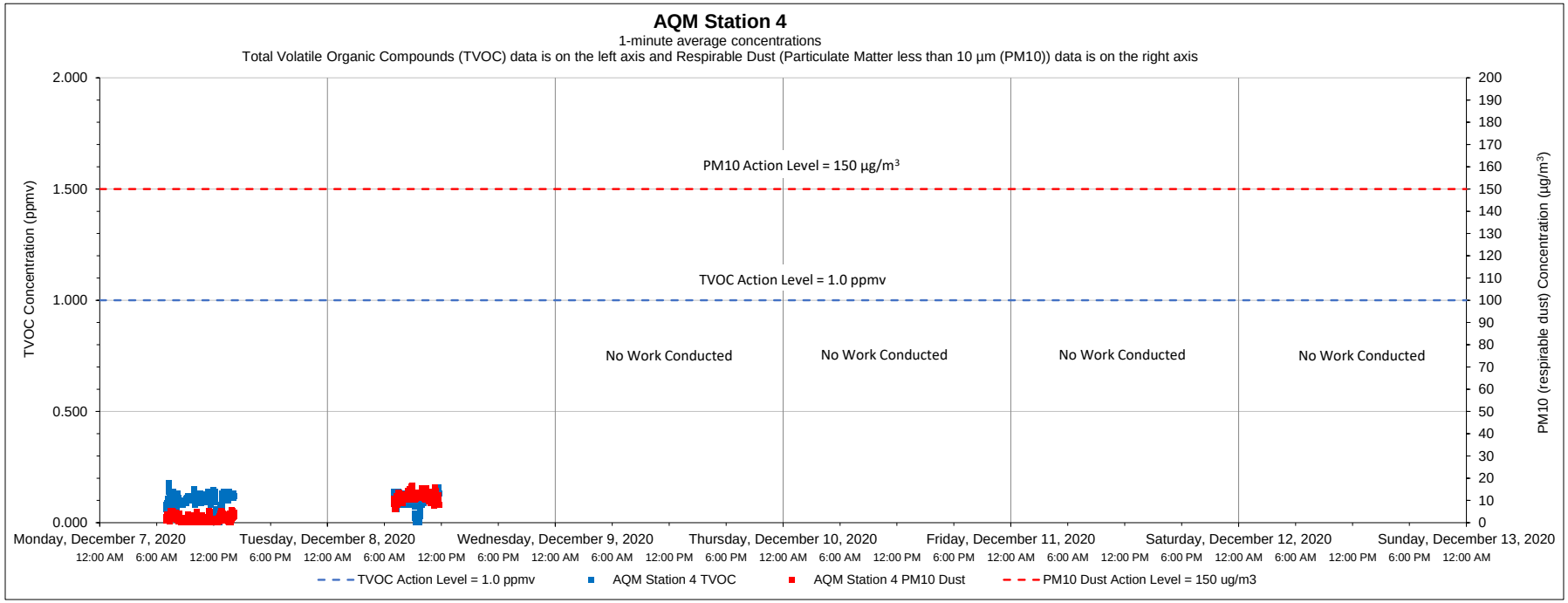

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.10	ppm
TVOCs maximum concentration	0.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.73	µg/m³
PM10 maximum concentration	16.48	µg/m³
PM10 action level	150	µg/m³

Notes:

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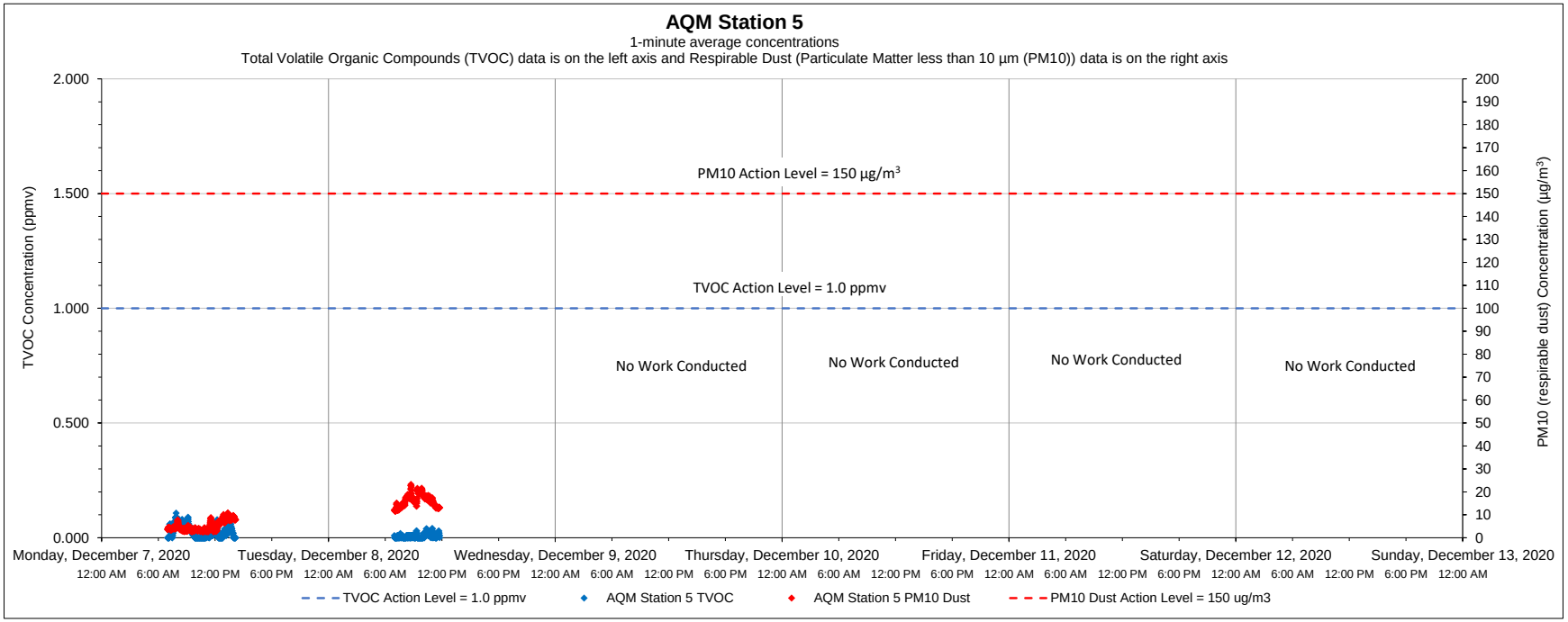

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.11	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.46	µg/m³
PM10 maximum concentration	23.30	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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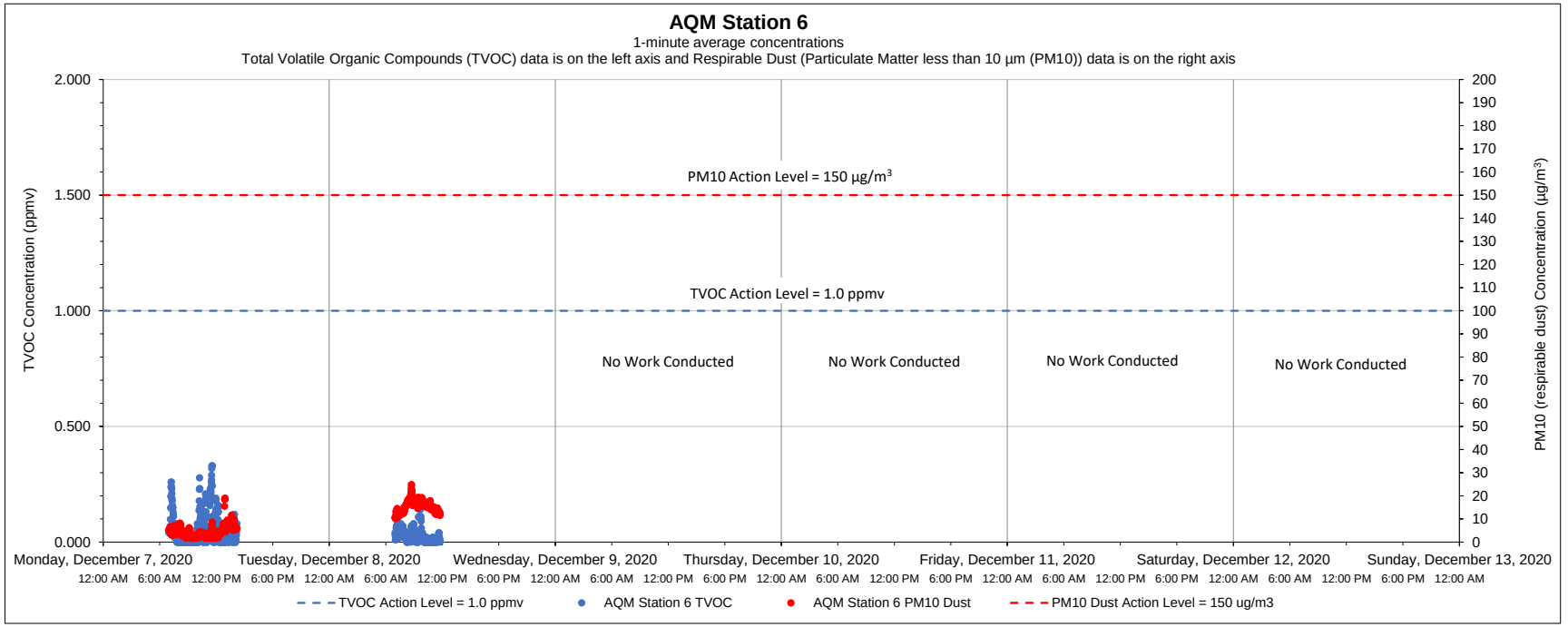

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.33	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.09	µg/m³
PM10 maximum concentration	24.84	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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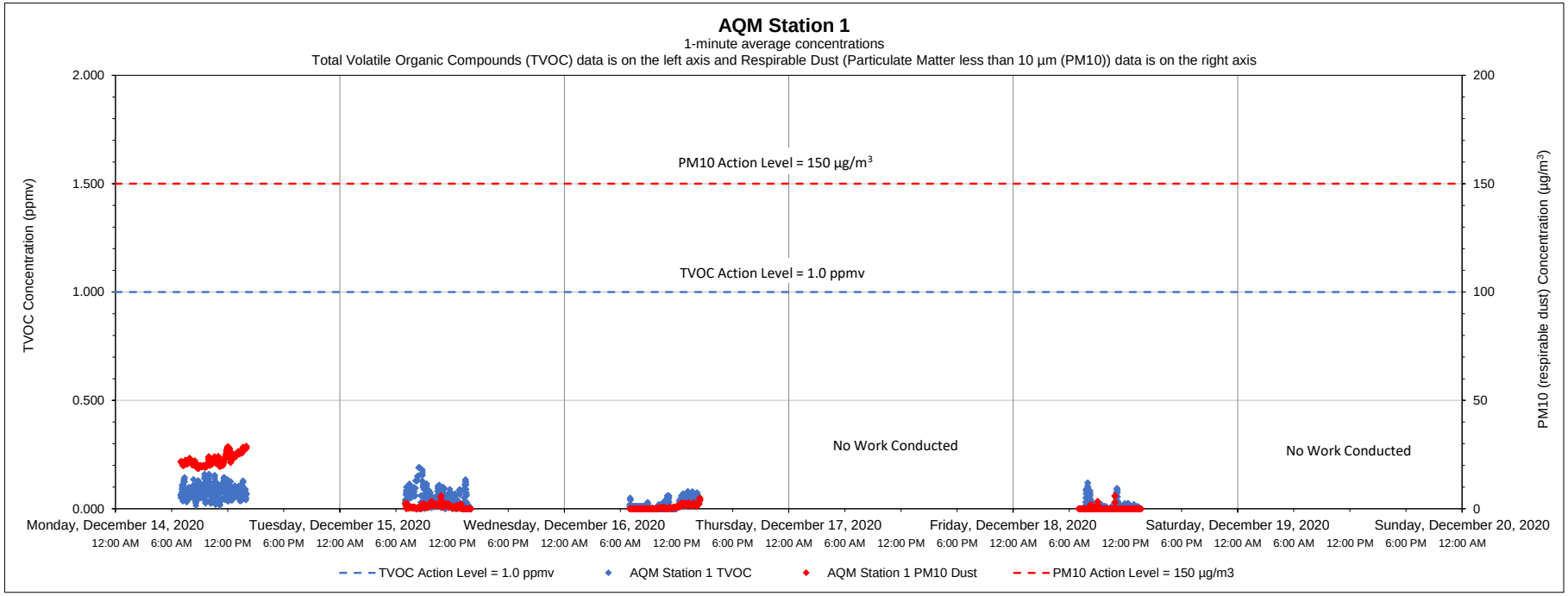

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.10	µg/m³
PM10 maximum concentration	28.98	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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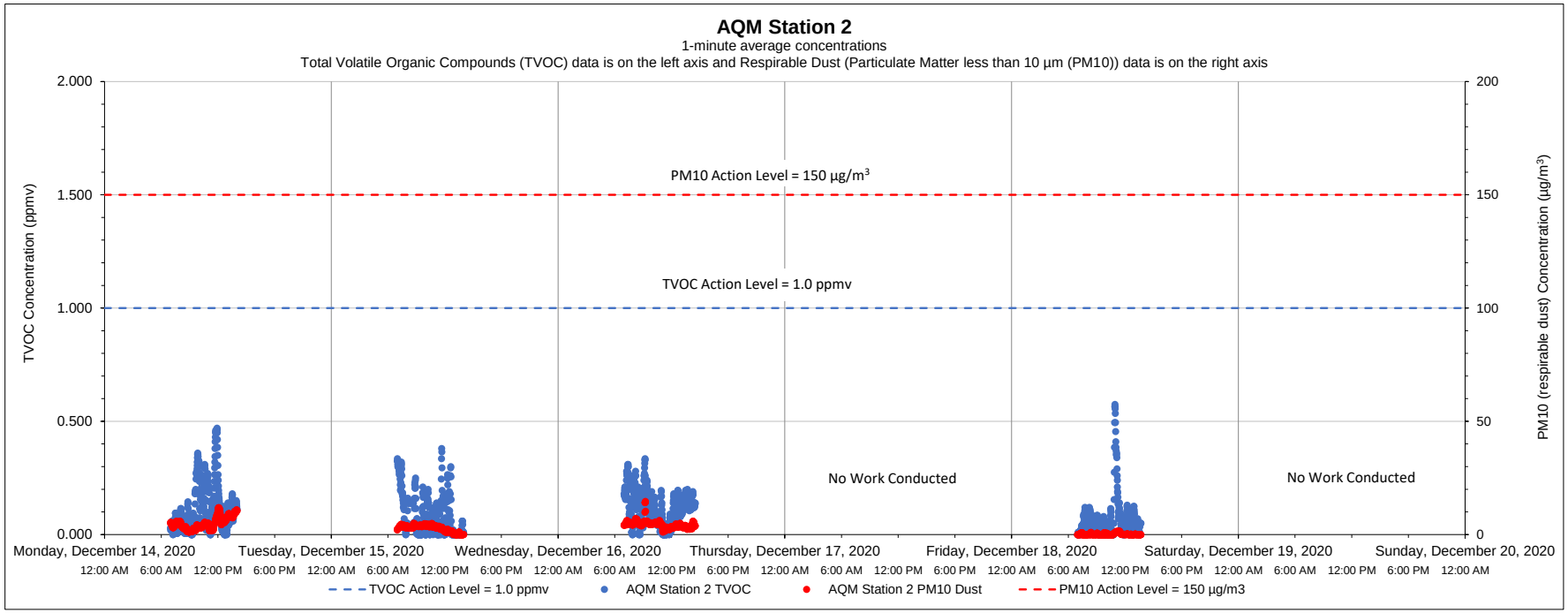

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.10	ppm
TVOCs maximum concentration	0.57	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.12	µg/m³
PM10 maximum concentration	14.62	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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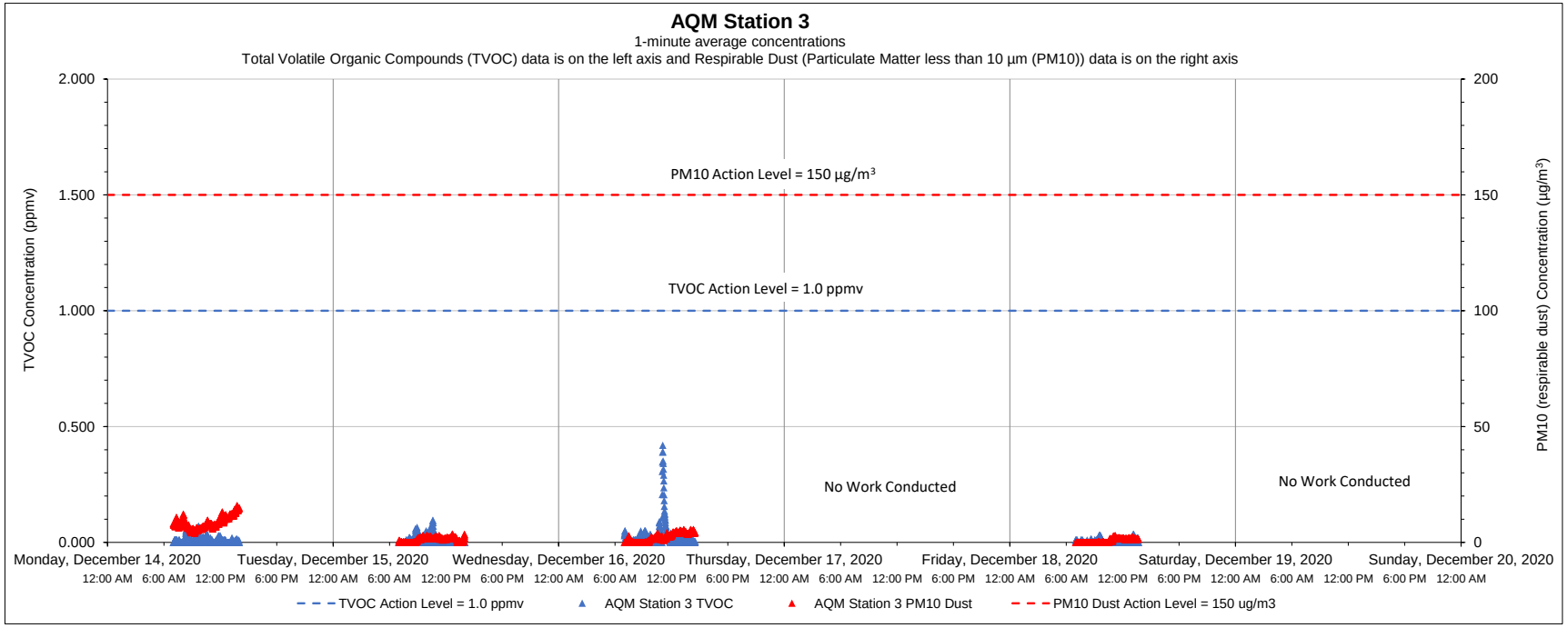

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.42	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.27	µg/m^3
PM10 maximum concentration	15.95	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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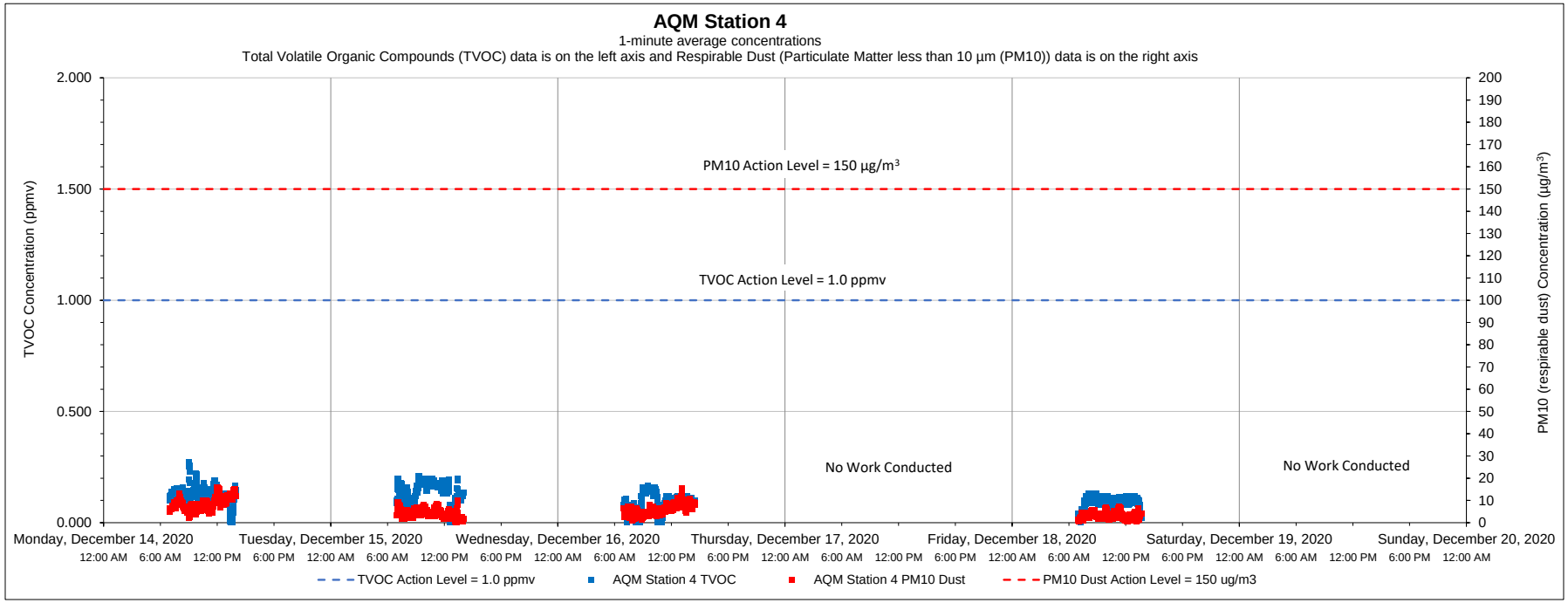

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.11	ppm
TVOCs maximum concentration	0.27	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.39	µg/m³
PM10 maximum concentration	15.86	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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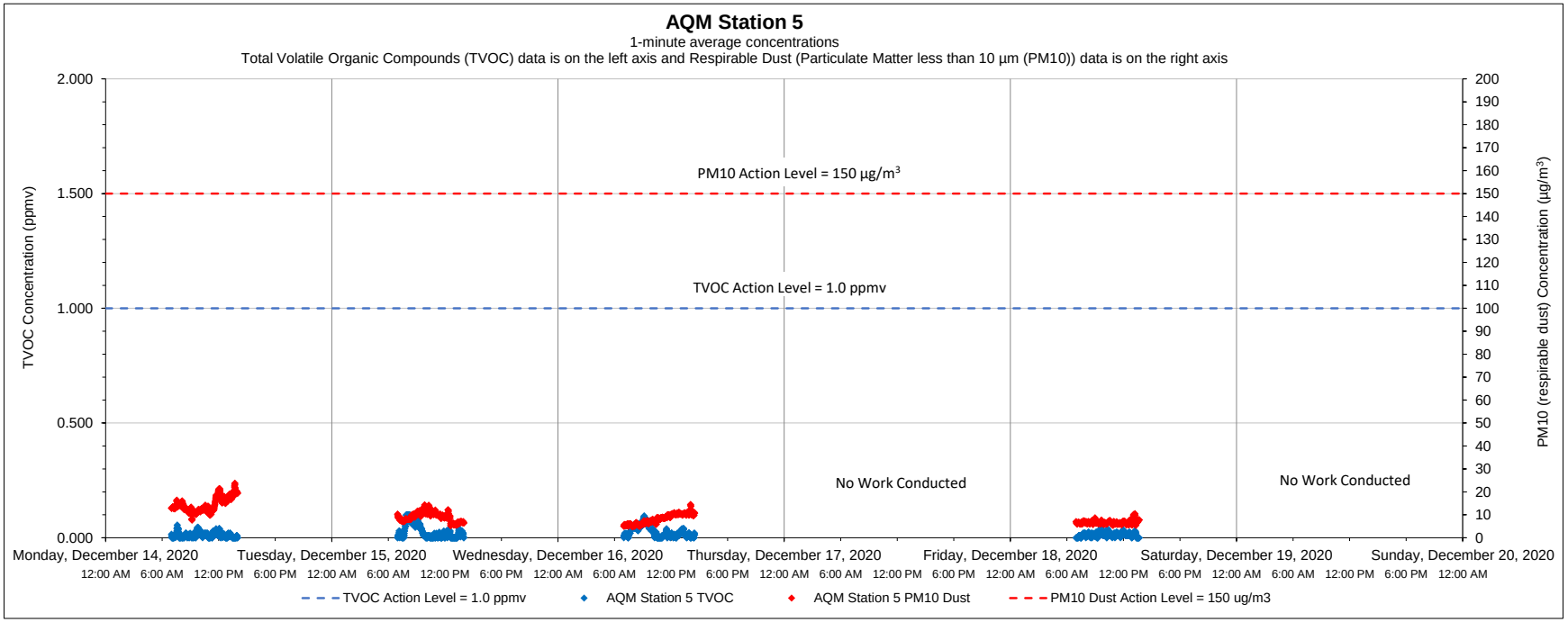

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.60	µg/m³
PM10 maximum concentration	23.80	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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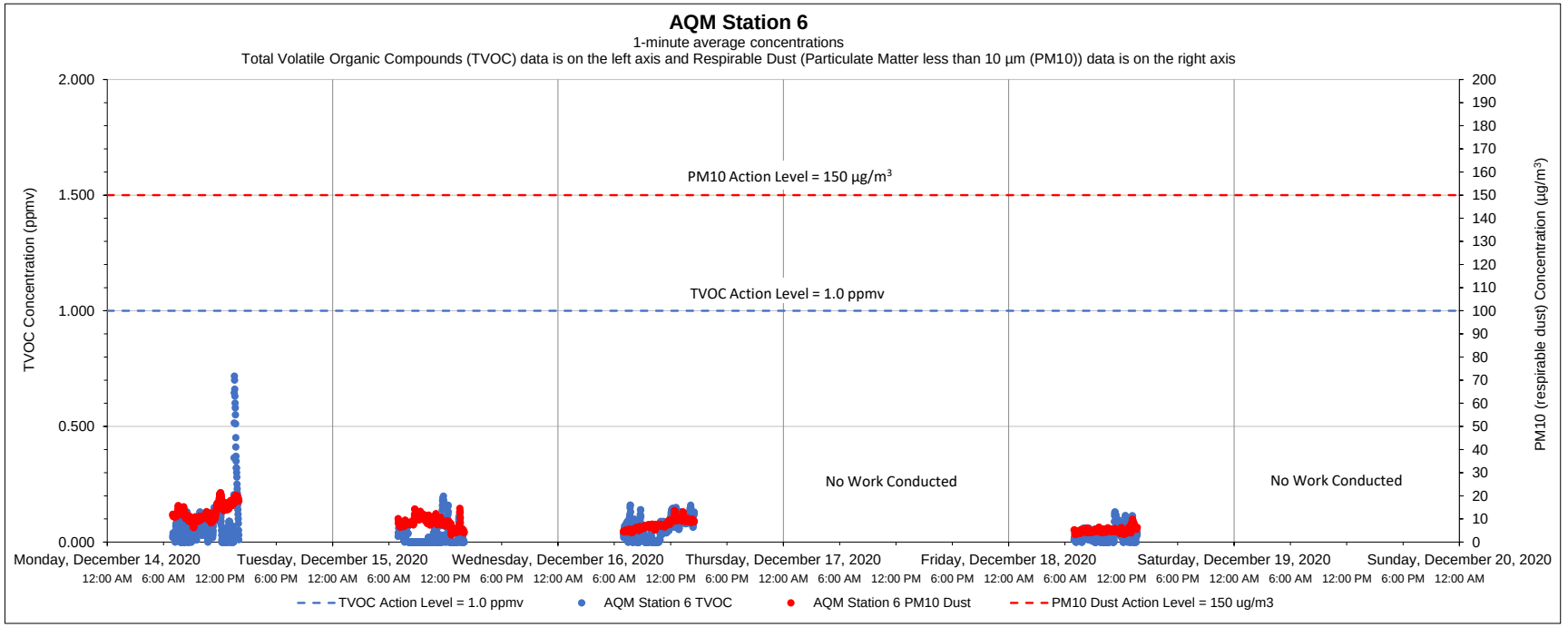

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.72	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.03	µg/m³
PM10 maximum concentration	14.65	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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12/28/2020

Liquefaction Facility Project -

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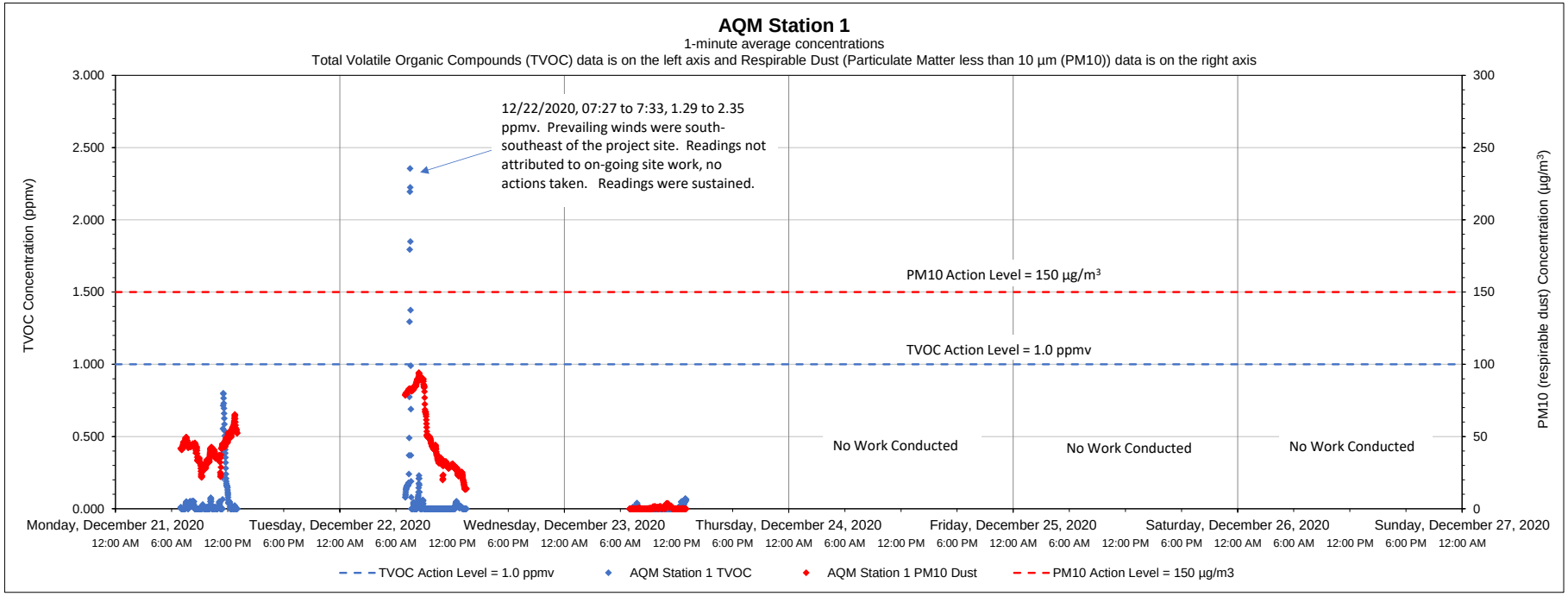

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
12/22/2020	07:27 - 07:33	TVOC	1.29 - 2.35 ppmv	No actions taken, readings not attributed to site work.

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	2.35	ppm
TVOCs action level	1	ppm
PM10 average concentration	31.26	µg/m^3
PM10 maximum concentration	94.23	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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12/28/2020

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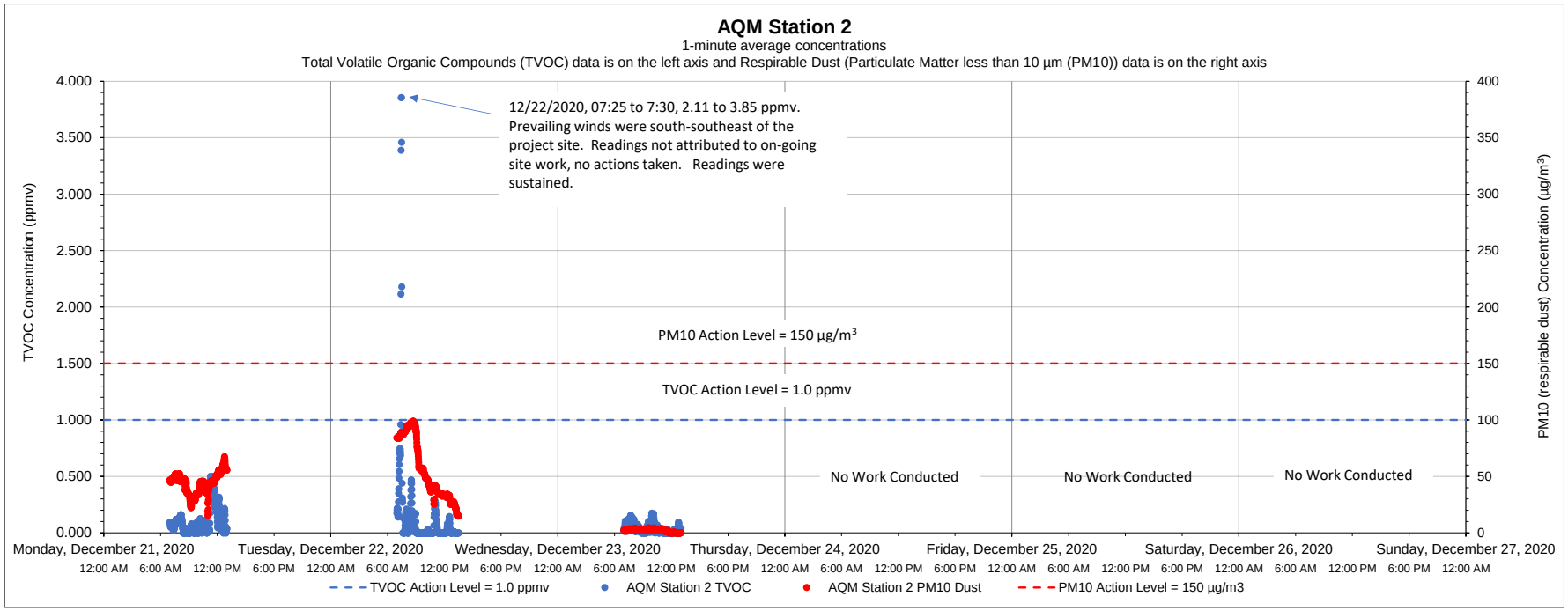


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
12/22/2020	07:25 - 07:30	TVOC	2.11 - 3.85 ppmv	No actions taken, readings not attributed to site work.

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	3.85	ppm
TVOCs action level	1	ppm
PM10 average concentration	34.47	µg/m³
PM10 maximum concentration	98.96	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

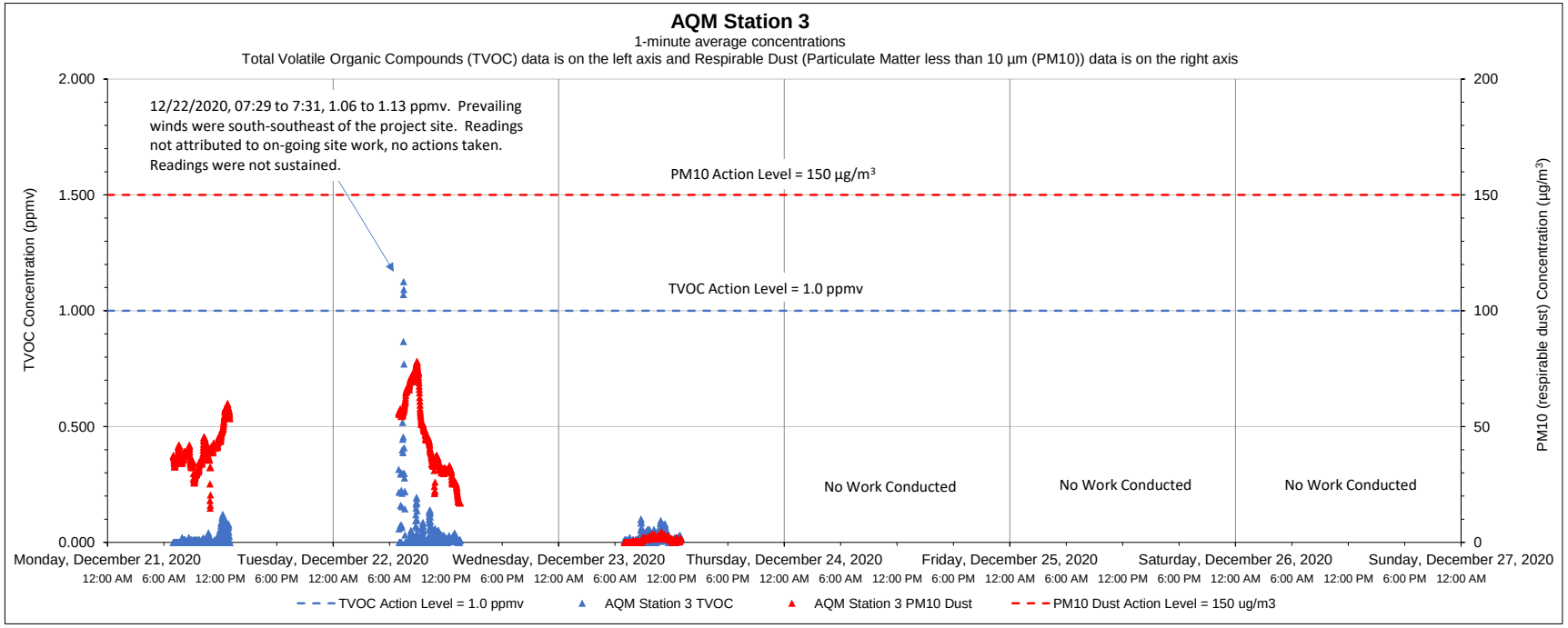
GZA Job No. 03.0033554.04

12/28/2020

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	1.13	ppm
TVOCs action level	1	ppm
PM10 average concentration	29.29	µg/m^3
PM10 maximum concentration	78.13	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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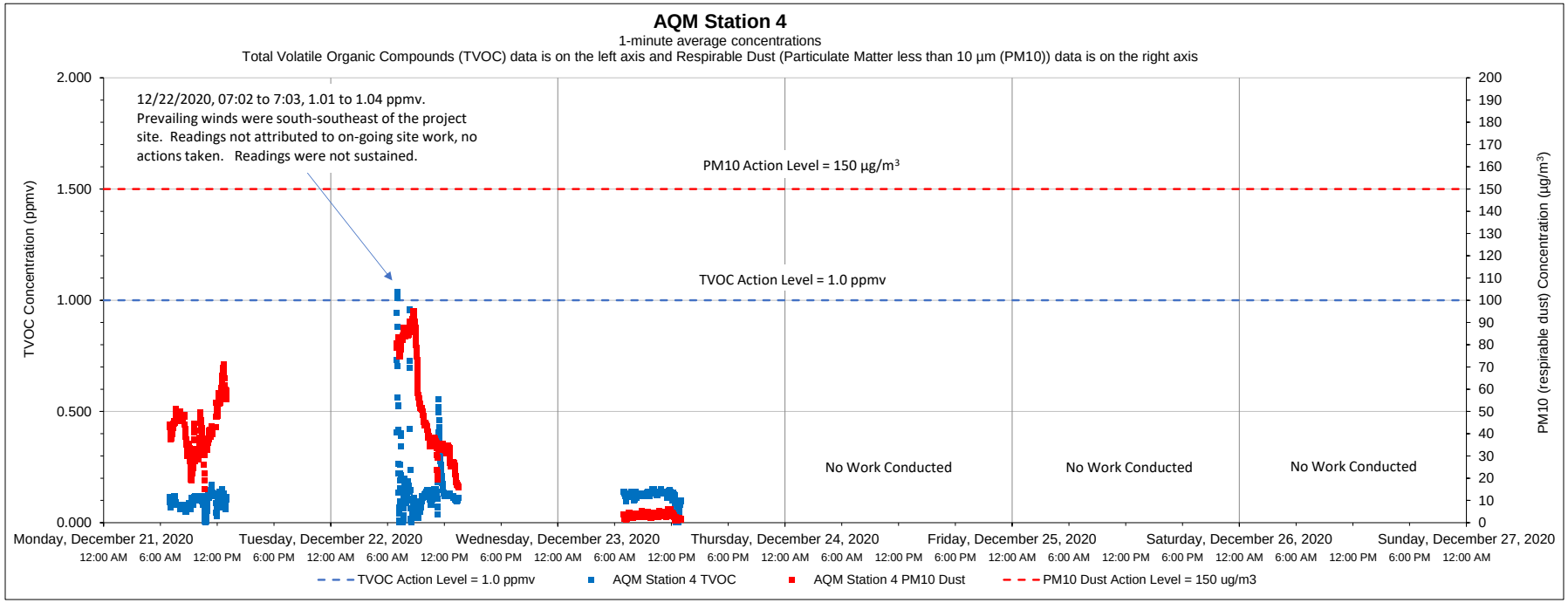

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.12	ppm
TVOCs maximum concentration	1.04	ppm
TVOCs action level	1	ppm
PM10 average concentration	33.04	µg/m³
PM10 maximum concentration	95.27	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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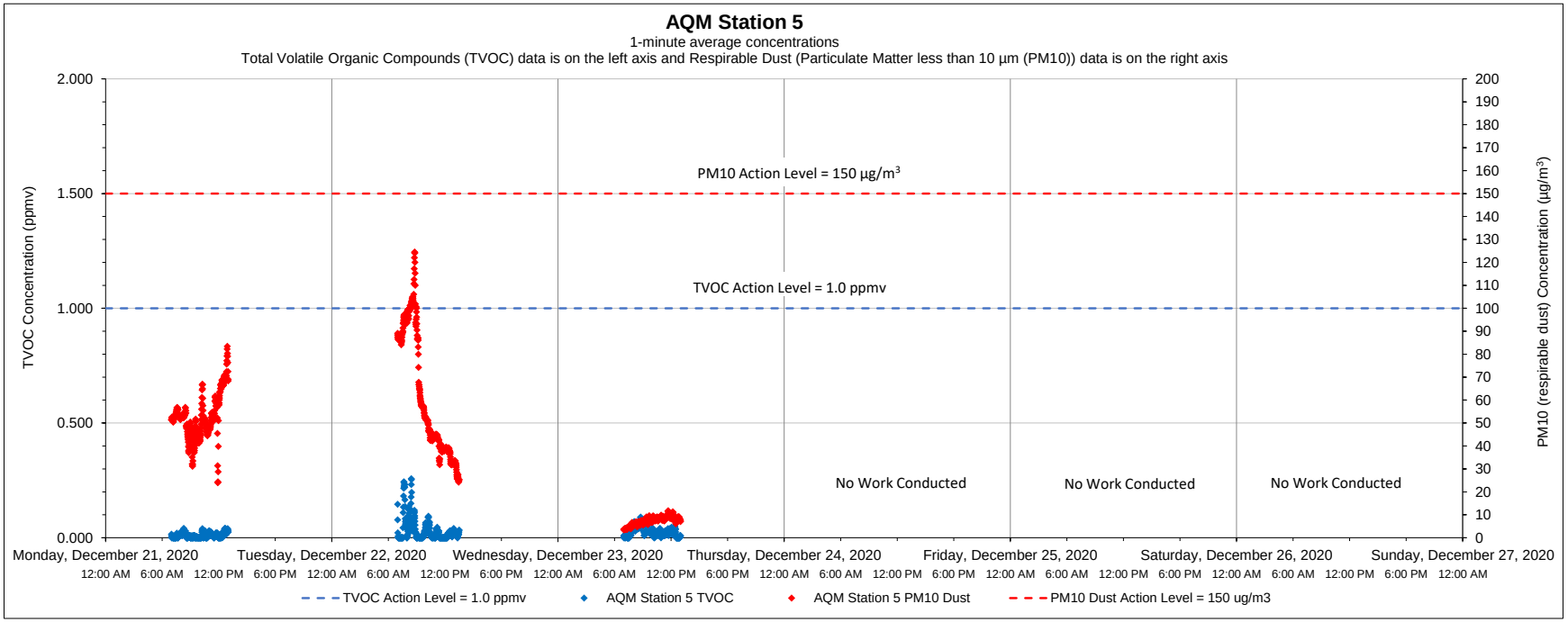

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.26	ppm
TVOCs action level	1	ppm
PM10 average concentration	40.81	µg/m³
PM10 maximum concentration	124.55	µg/m³
PM10 action level	150	µg/m³

Notes:

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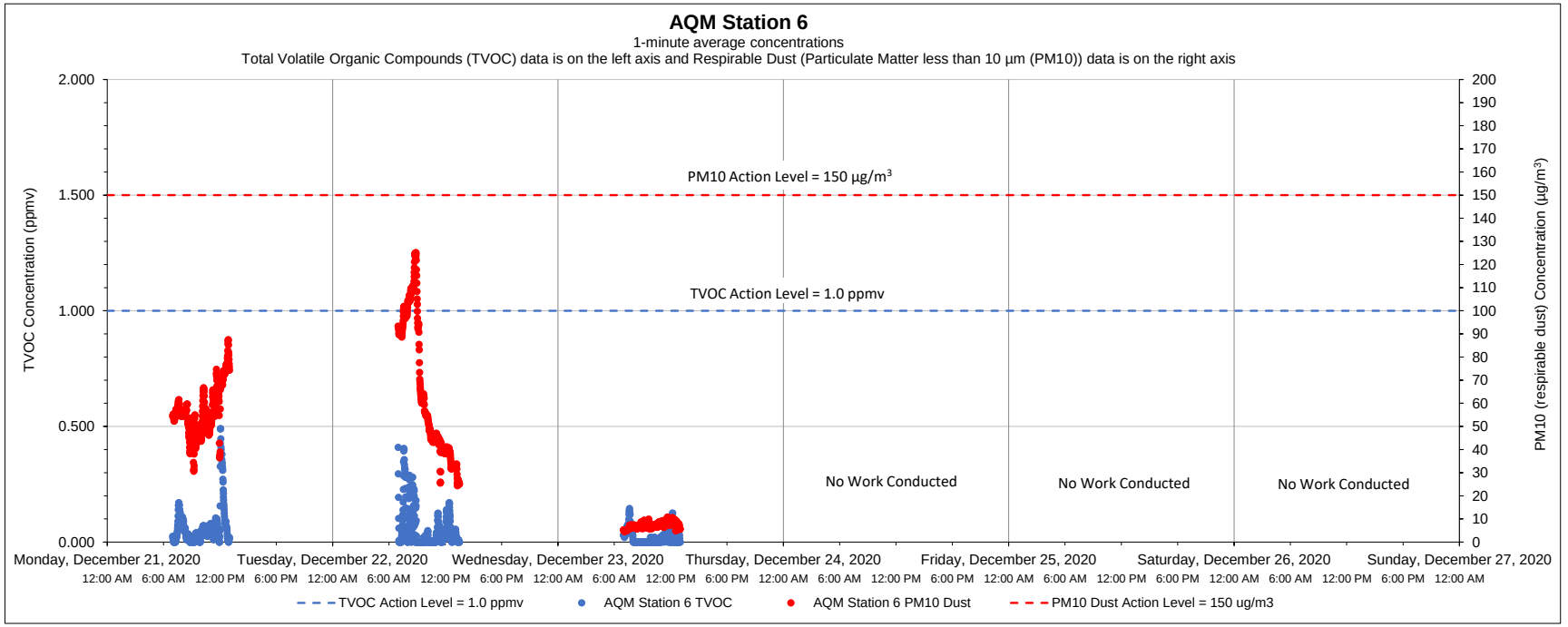

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.49	ppm
TVOCs action level	1	ppm
PM10 average concentration	31.64	µg/m³
PM10 maximum concentration	125.18	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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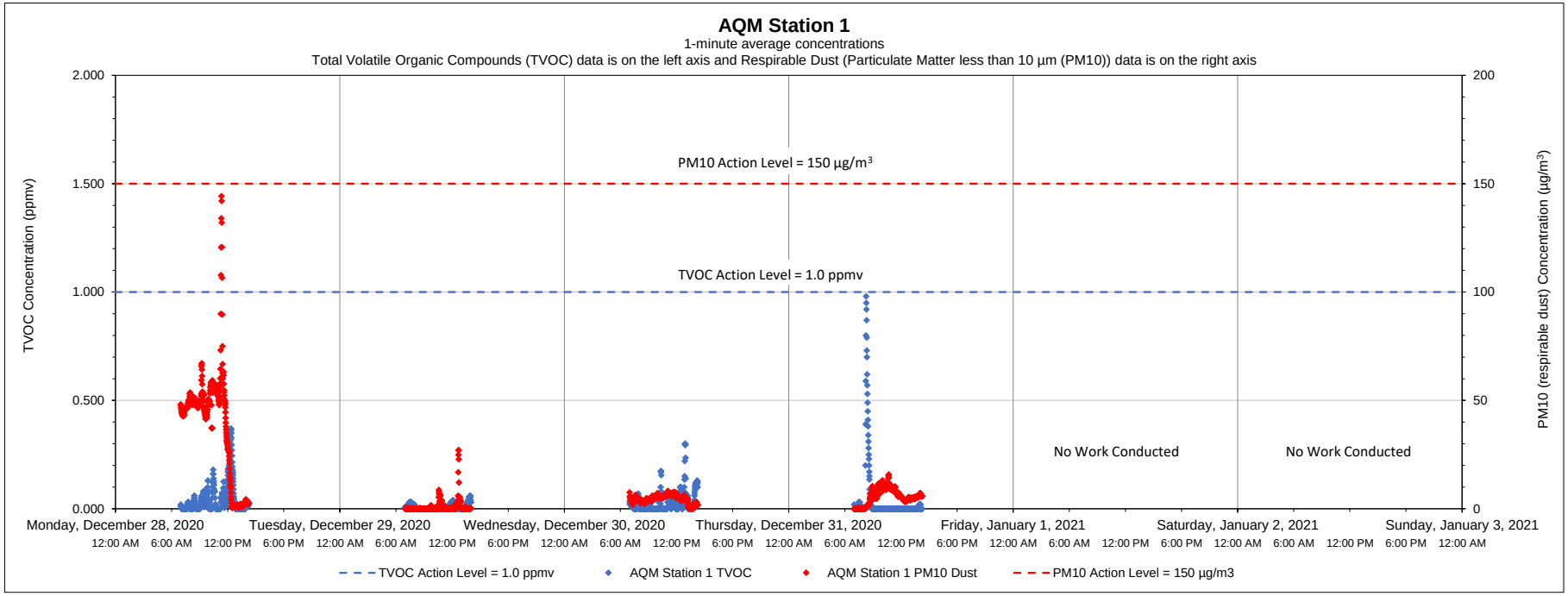
GZA Job No. 03.0033554.04

1/4/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.98	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.11	µg/m^3
PM10 maximum concentration	144.29	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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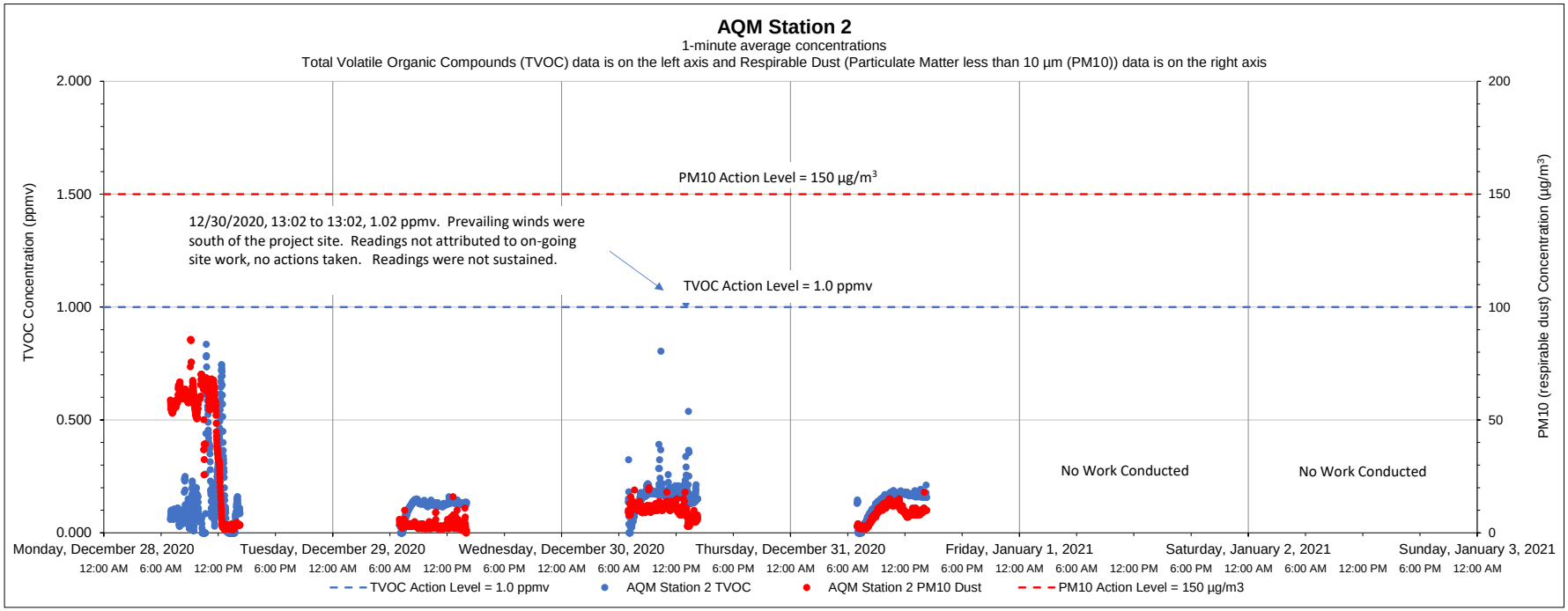

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.14	ppm
TVOCs maximum concentration	1.02	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.31	µg/m^3
PM10 maximum concentration	85.67	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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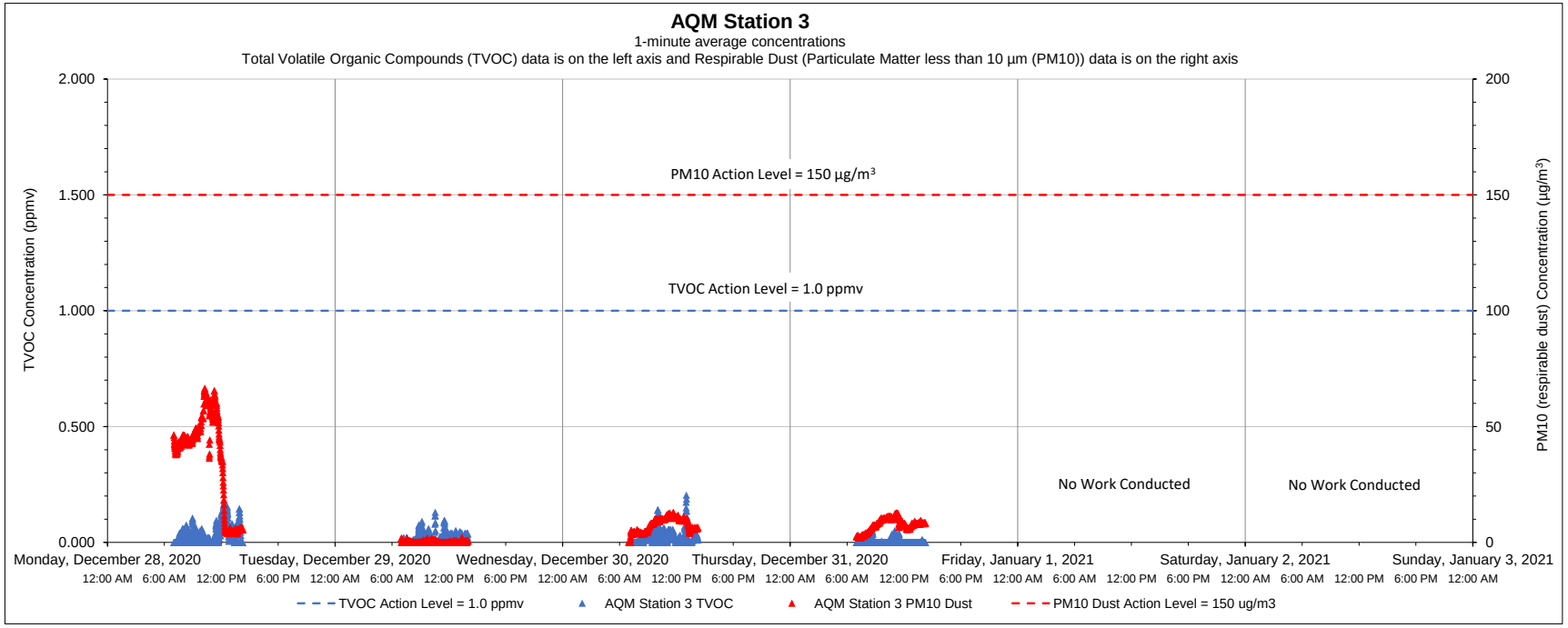

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.17	µg/m^3
PM10 maximum concentration	66.47	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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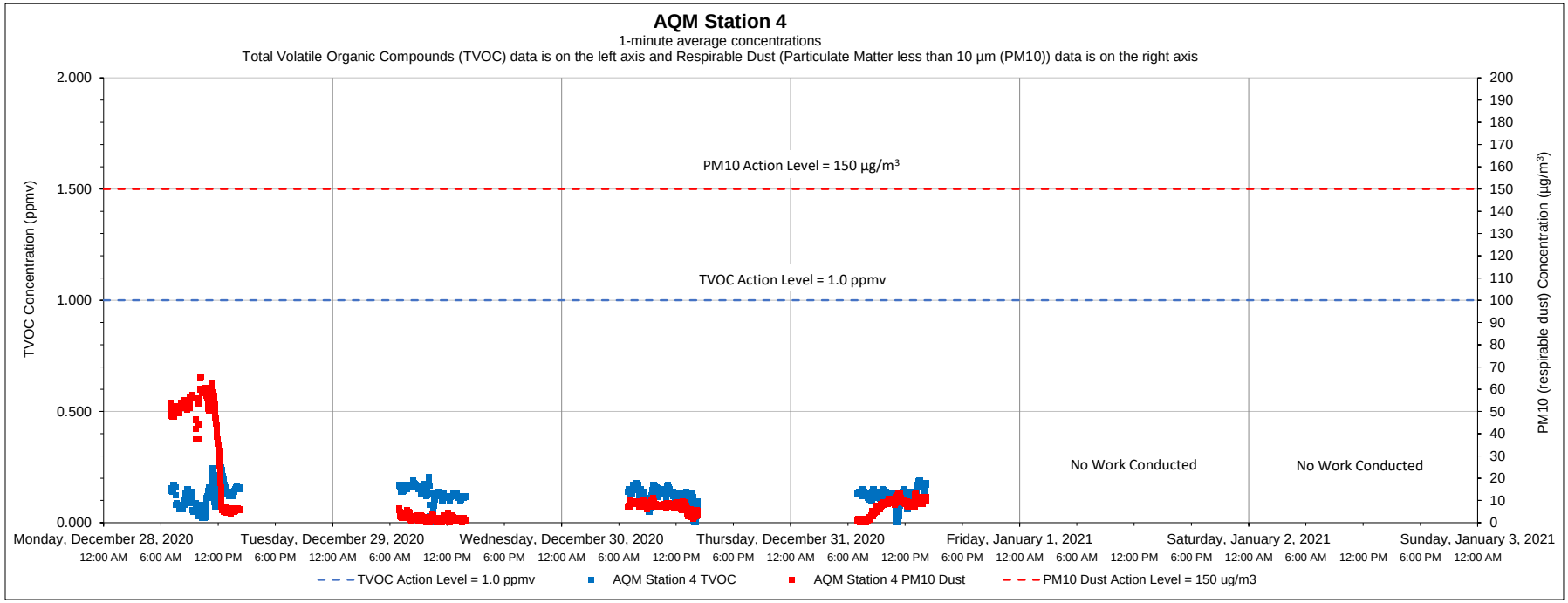

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.12	ppm
TVOCs maximum concentration	0.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.97	µg/m³
PM10 maximum concentration	65.46	µg/m³
PM10 action level	150	µg/m³

Notes:

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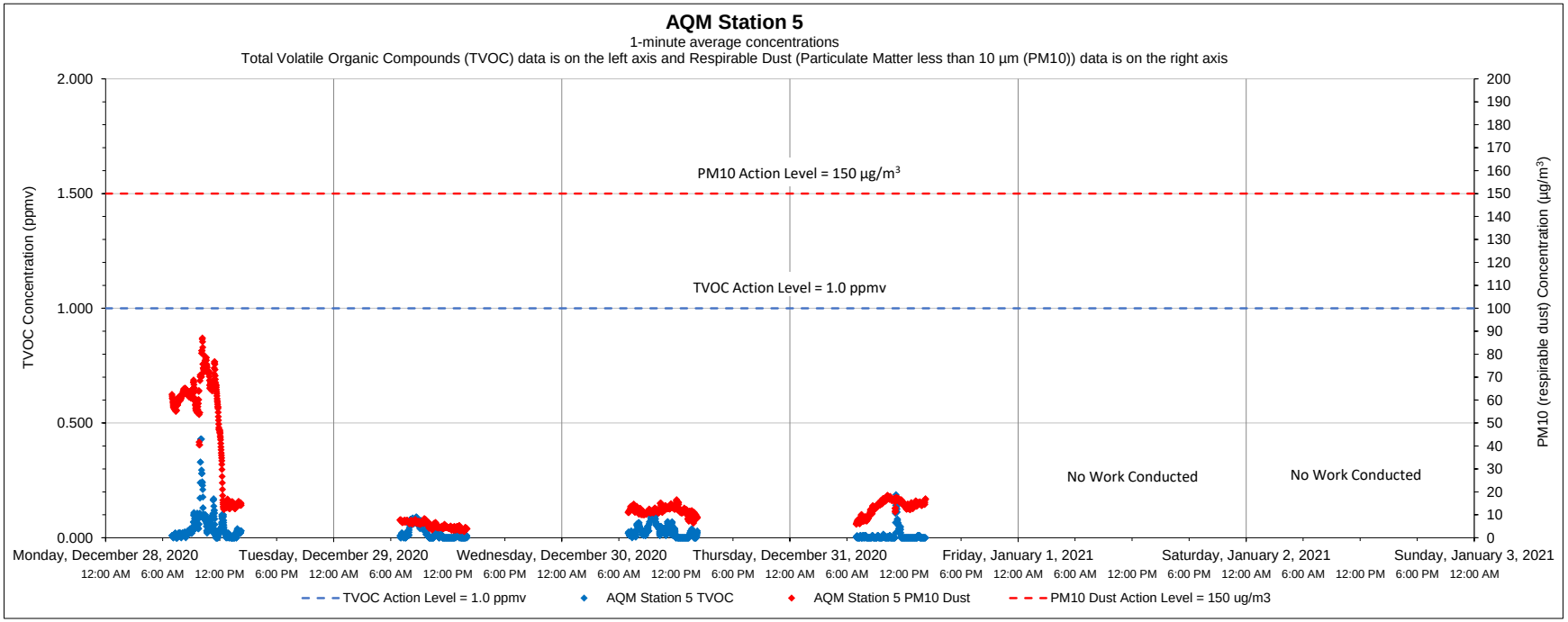

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.43	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.18	µg/m³
PM10 maximum concentration	87.10	µg/m³
PM10 action level	150	µg/m³

Notes:

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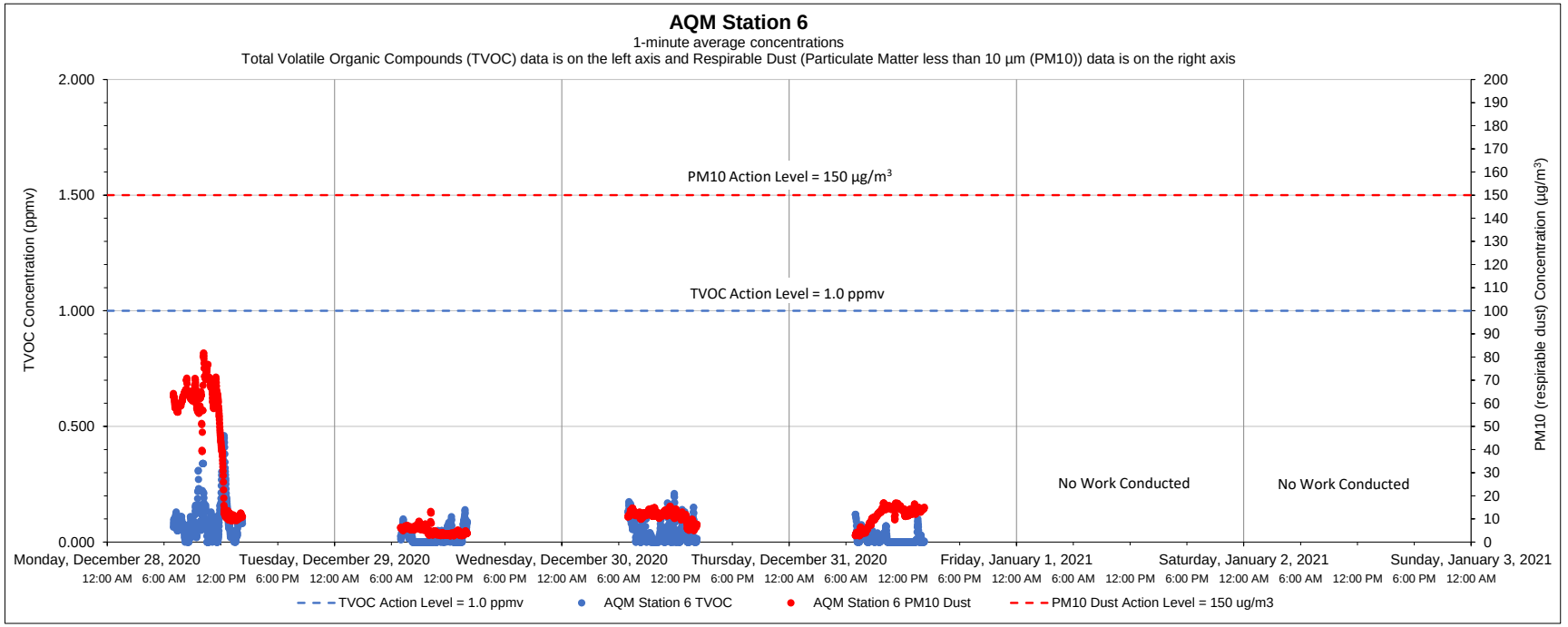

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	19.08	µg/m³
PM10 maximum concentration	81.73	µg/m³
PM10 action level	150	µg/m³

Notes:

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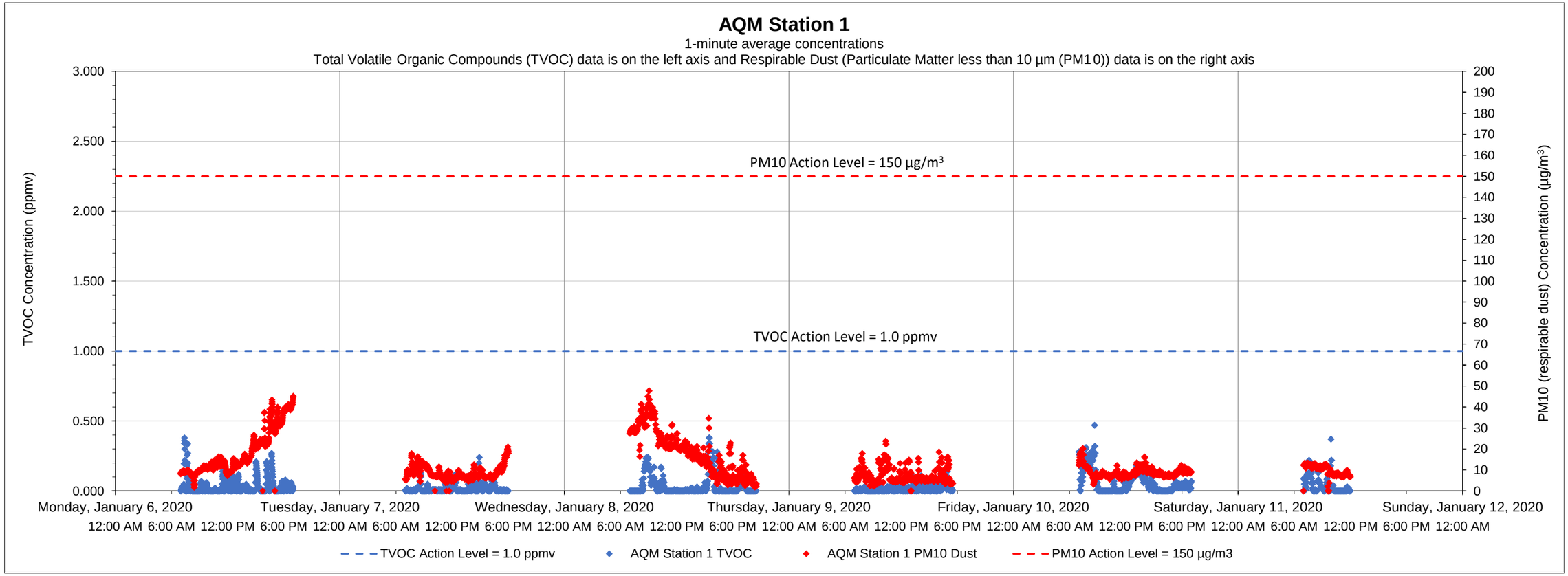
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
1/11/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.47	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.41	µg/m^3
PM10 maximum concentration	47.76	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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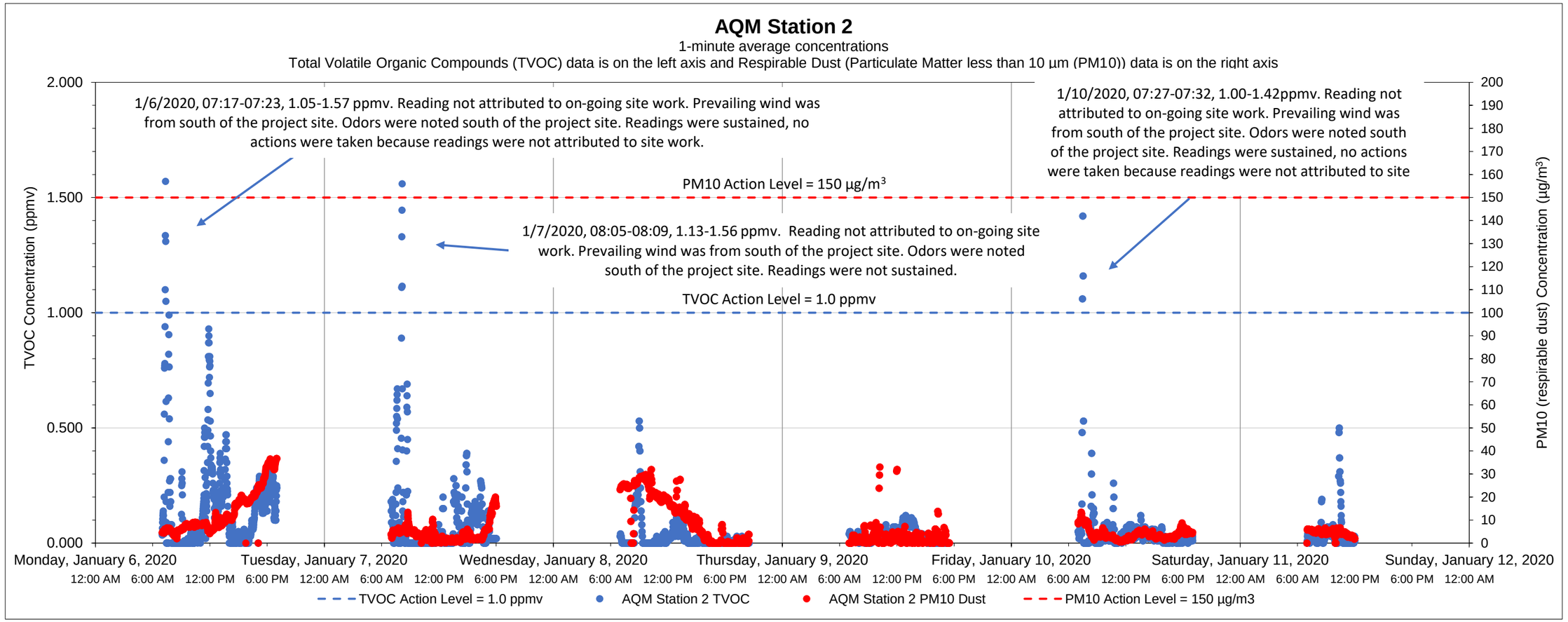

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
1/6/2020	07:17	TVOCs	1.05-1.57	No actions taken, readings were not attributed to ongoing site work.
1/10/2020	07:27	TVOCs	1.00-1.42	No actions taken, readings were not attributed to ongoing site work.

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.57	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.29	µg/m^3
PM10 maximum concentration	36.71	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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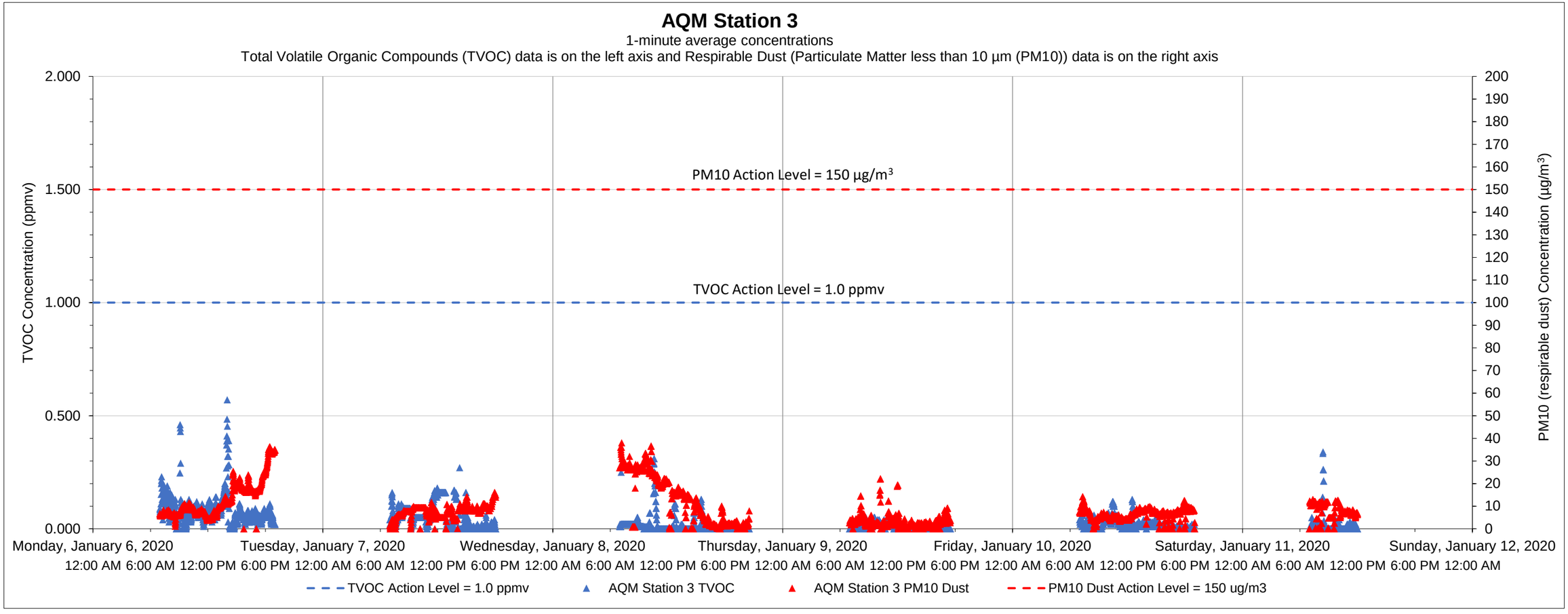

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.57	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.89	µg/m^3
PM10 maximum concentration	38.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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STRAP Perimeter Air Quality Monitoring (AQM)
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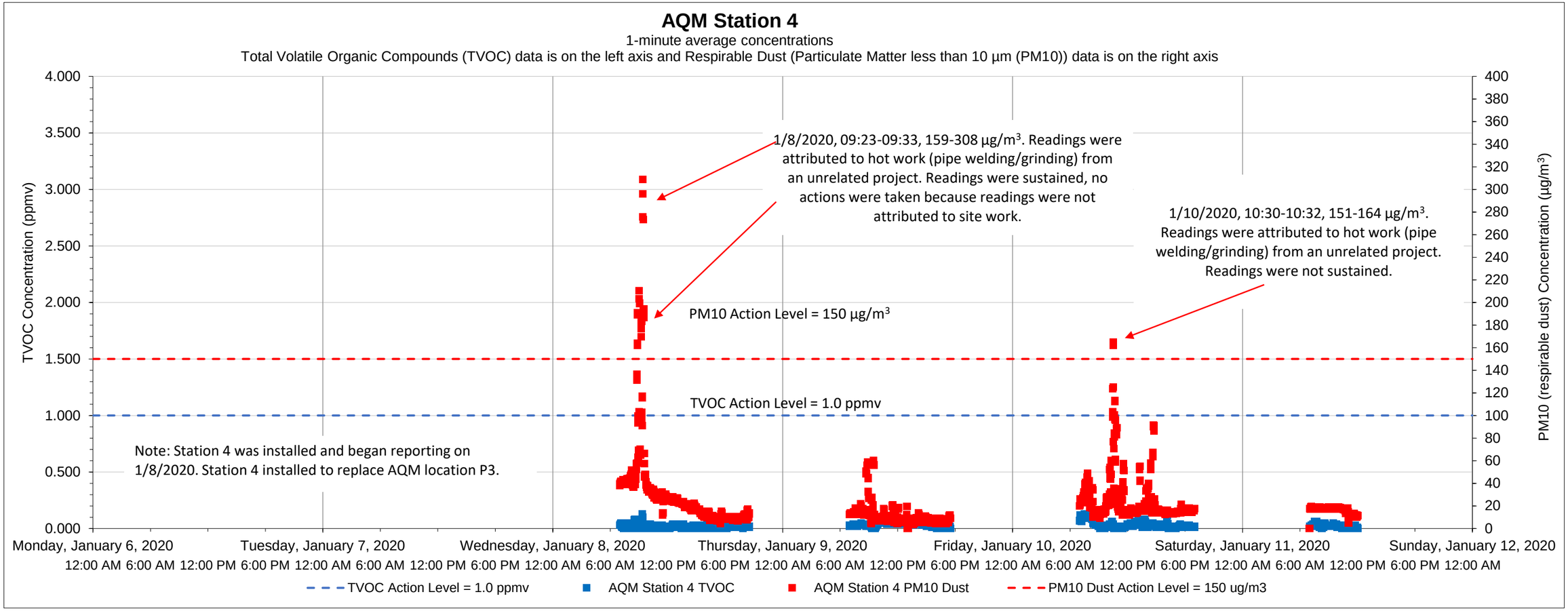

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
1/8/2020	09:23	Dust	159-308 µg/m^3	No actions taken, readings were not attributed to ongoing site work.

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.91	µg/m^3
PM10 maximum concentration	308.66	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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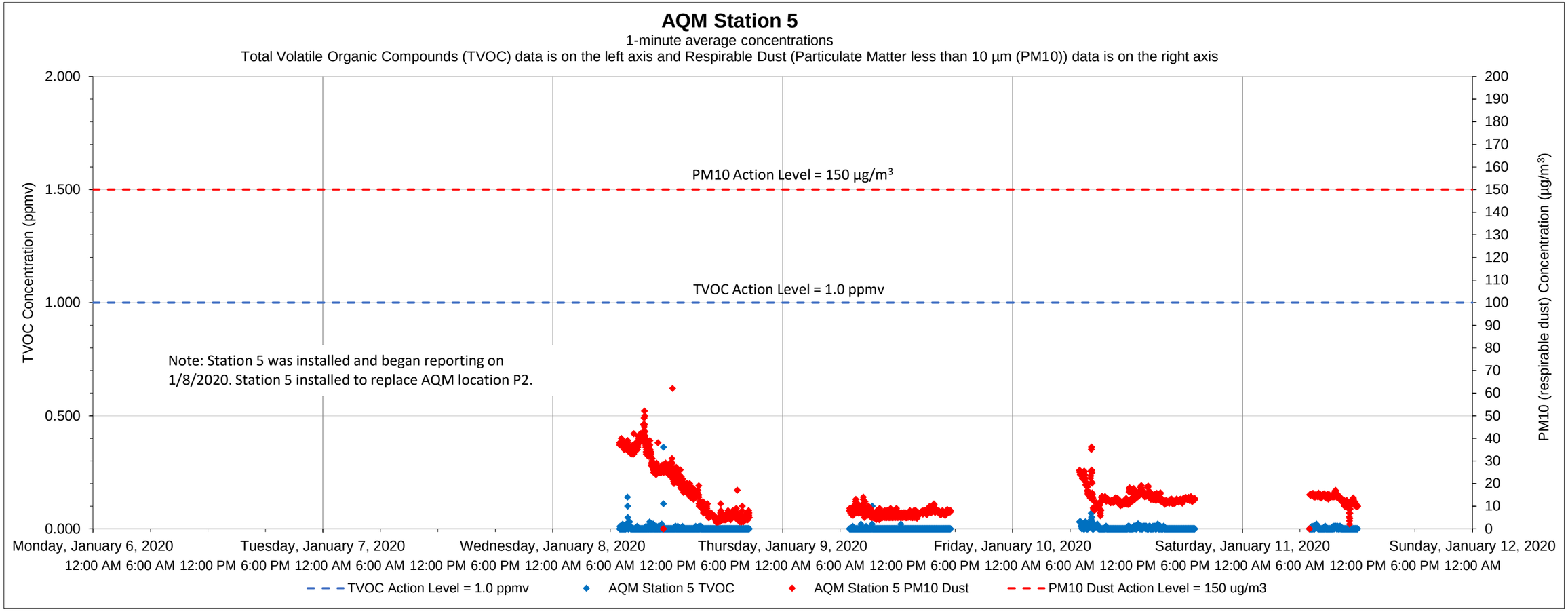

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.36	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.86	µg/m^3
PM10 maximum concentration	62.00	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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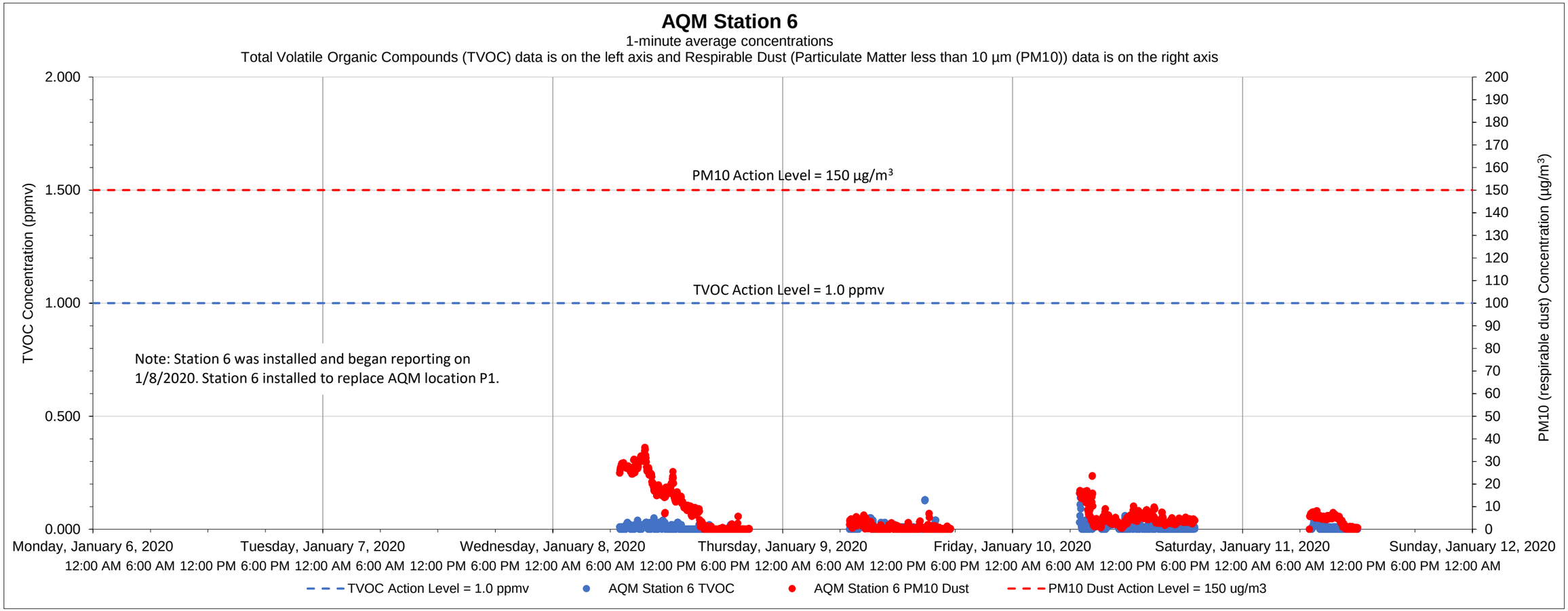

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.14	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.16	µg/m^3
PM10 maximum concentration	36.16	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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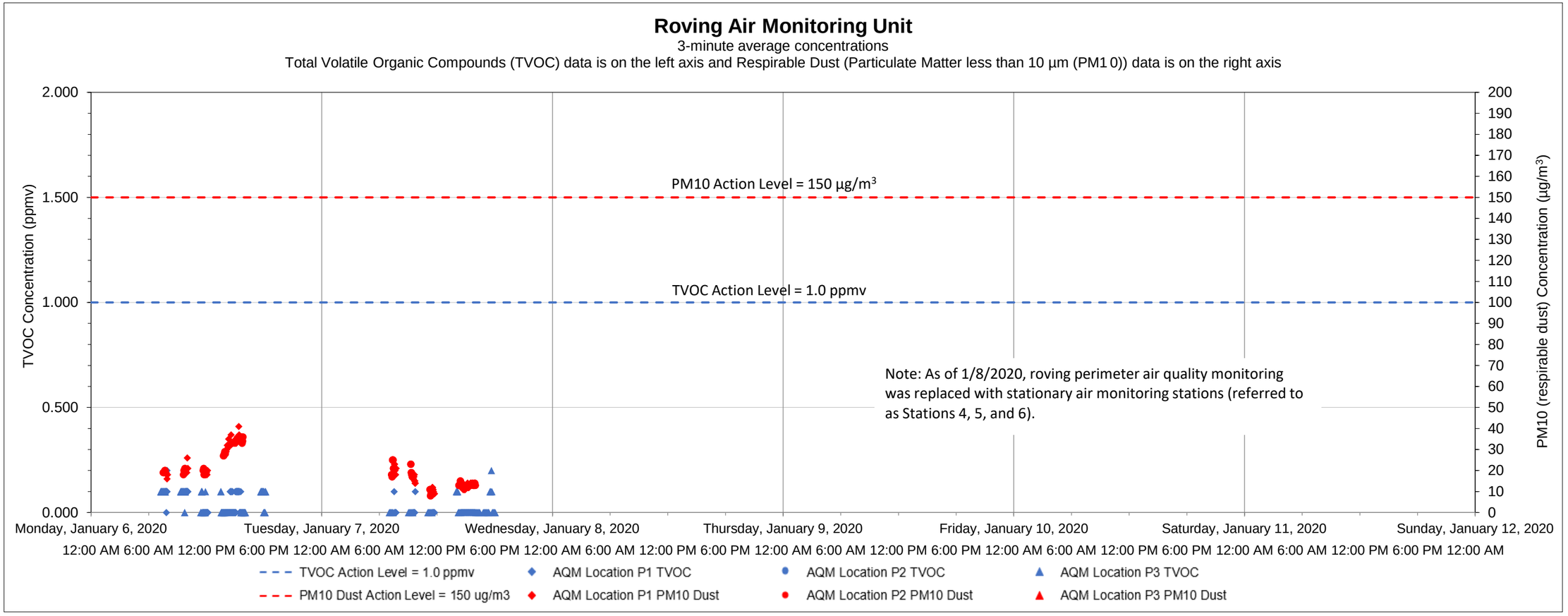


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	23.18	µg/m^3
PM10 maximum concentration	89	µg/m^3
PM10 action level	150	µg/m^3

Notes:

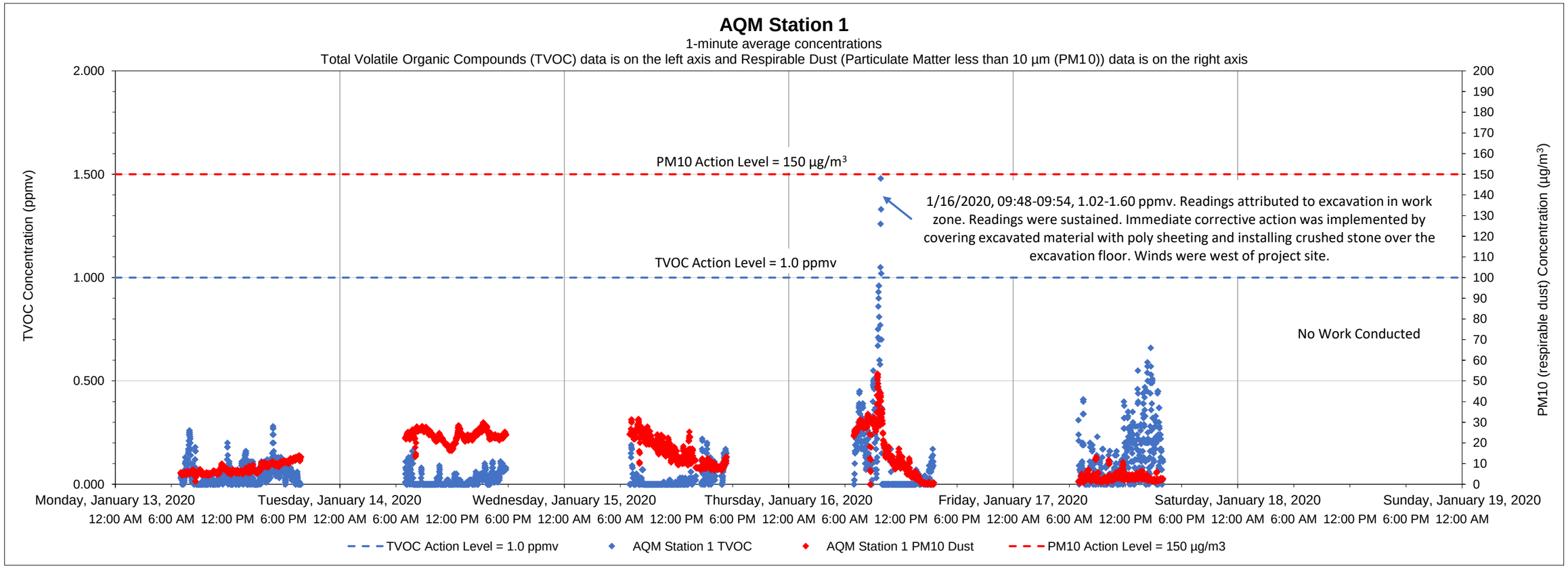
1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LLC
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
1/20/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
1/16/2020	09:48-09:54	TVOC	1.02-1.60 ppmv	Covered excavated material and installed crushed stone over excavation floor

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.60	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.93	µg/m^3
PM10 maximum concentration	53.47	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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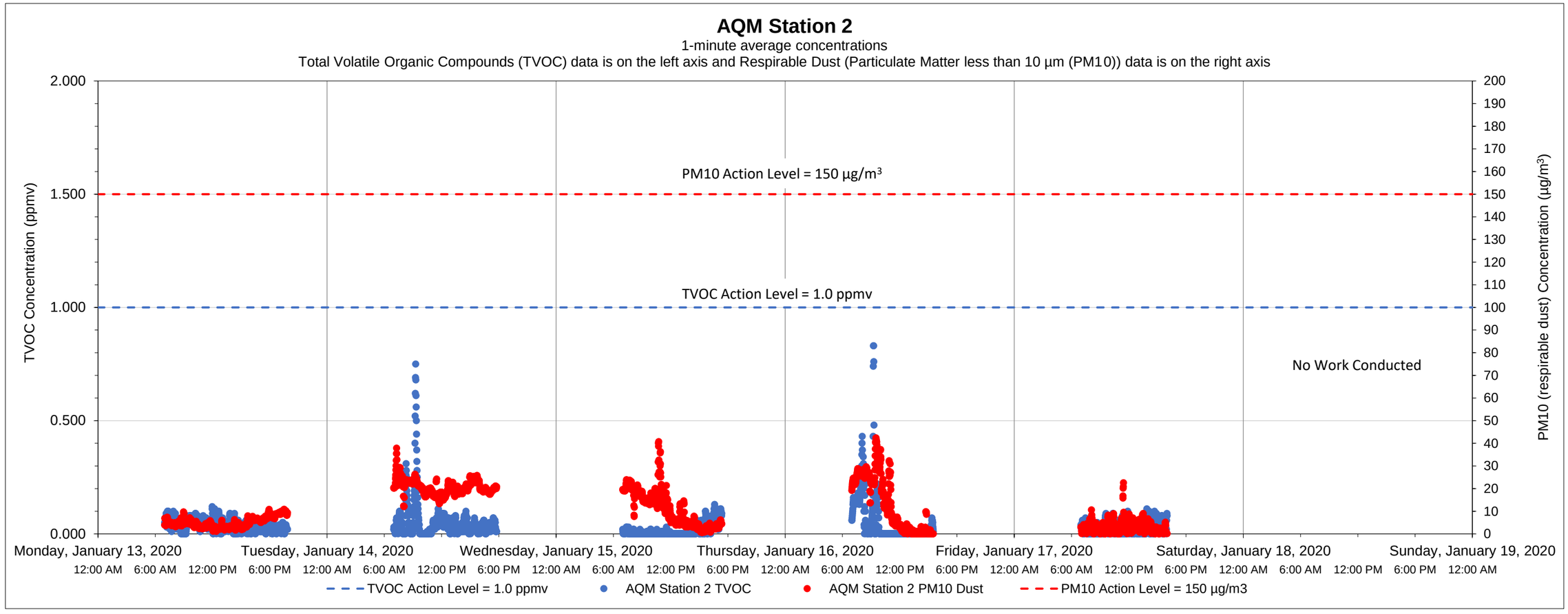

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.83	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.25	µg/m^3
PM10 maximum concentration	42.33	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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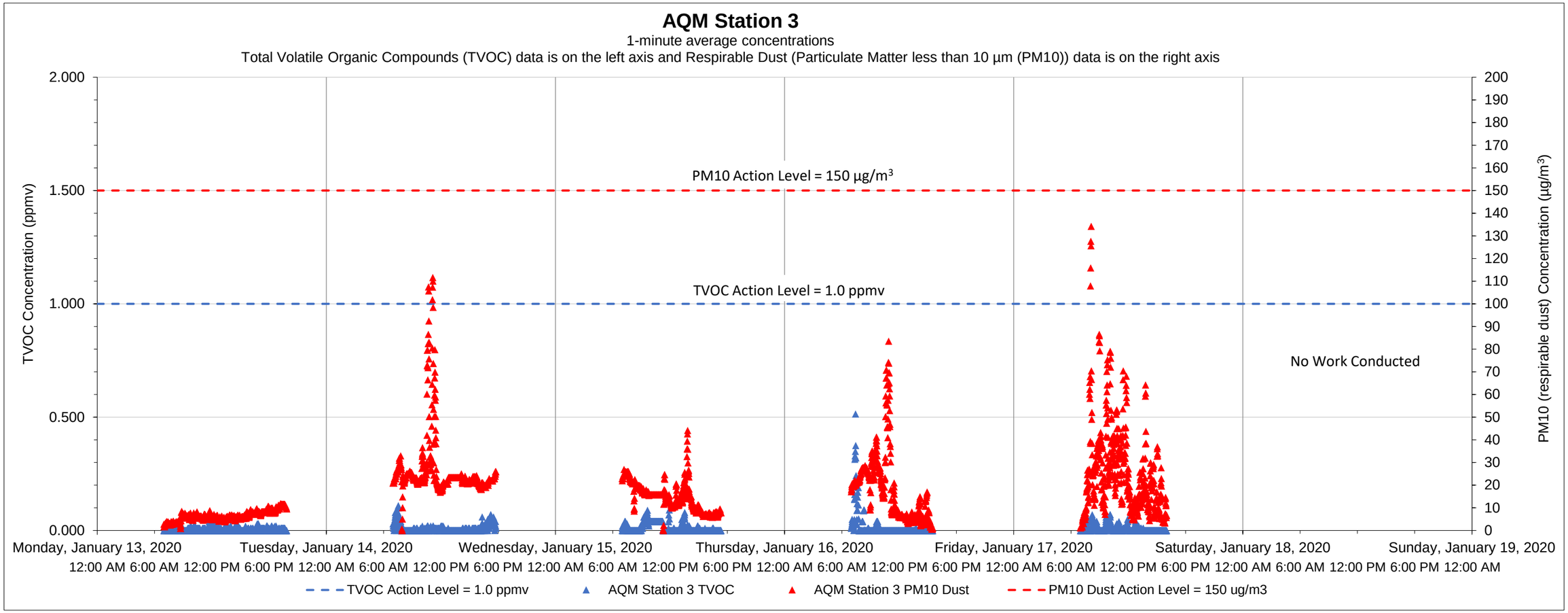

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.51	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.08	µg/m^3
PM10 maximum concentration	134.23	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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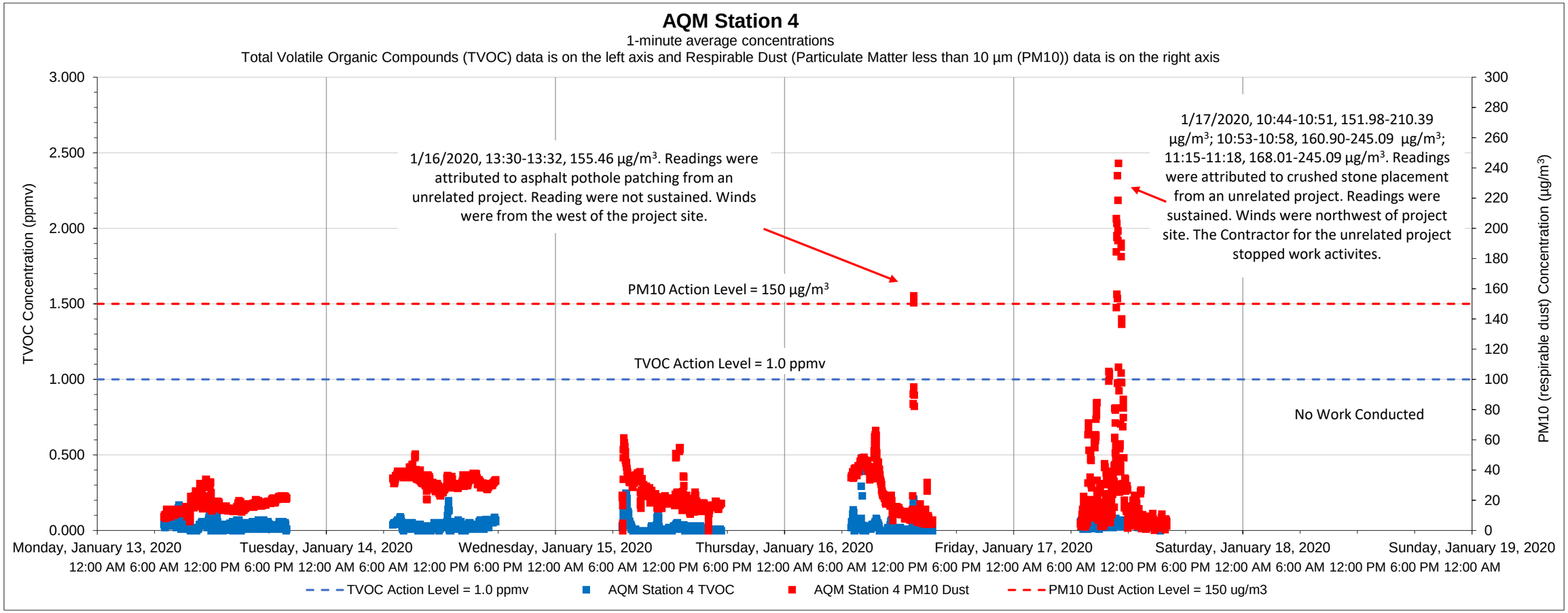

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
1/17/2020	10:44	Dust	151.98-245.09 µg/m^3	Contractor from the unrelated project stopped work.

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	23.93	µg/m^3
PM10 maximum concentration	242.99	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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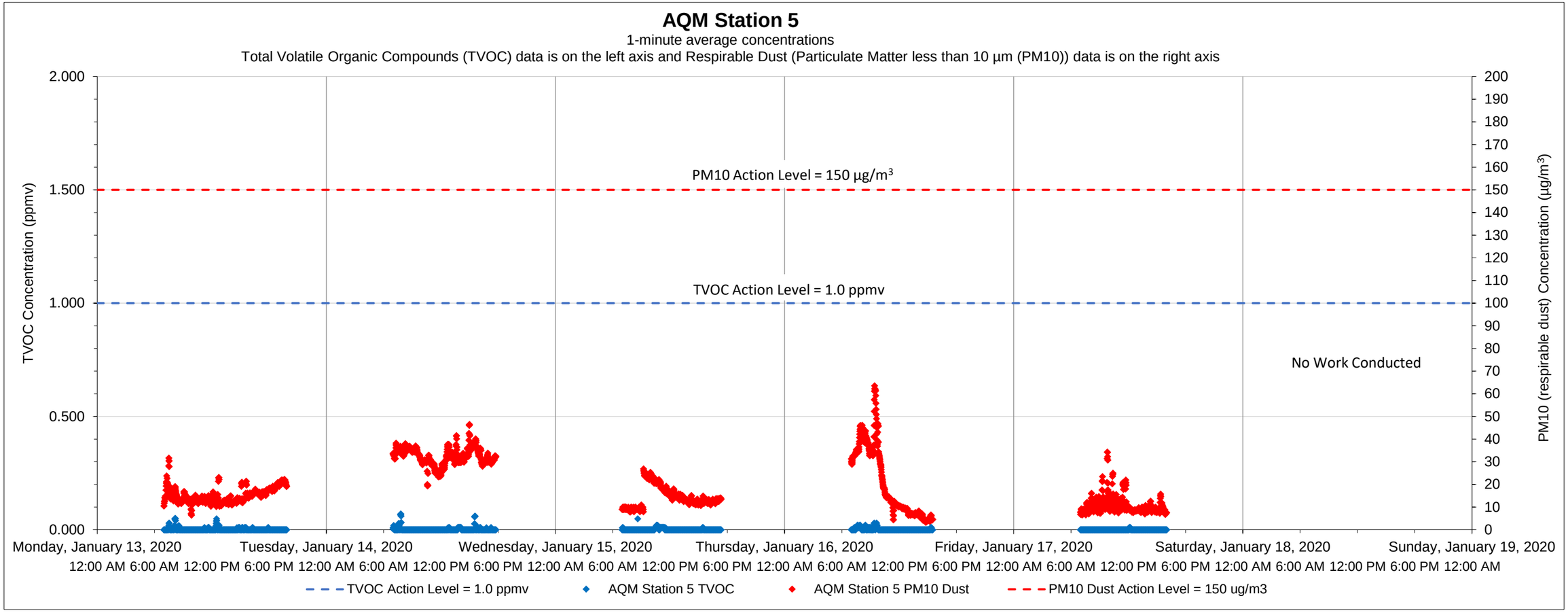

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.07	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.50	µg/m^3
PM10 maximum concentration	63.55	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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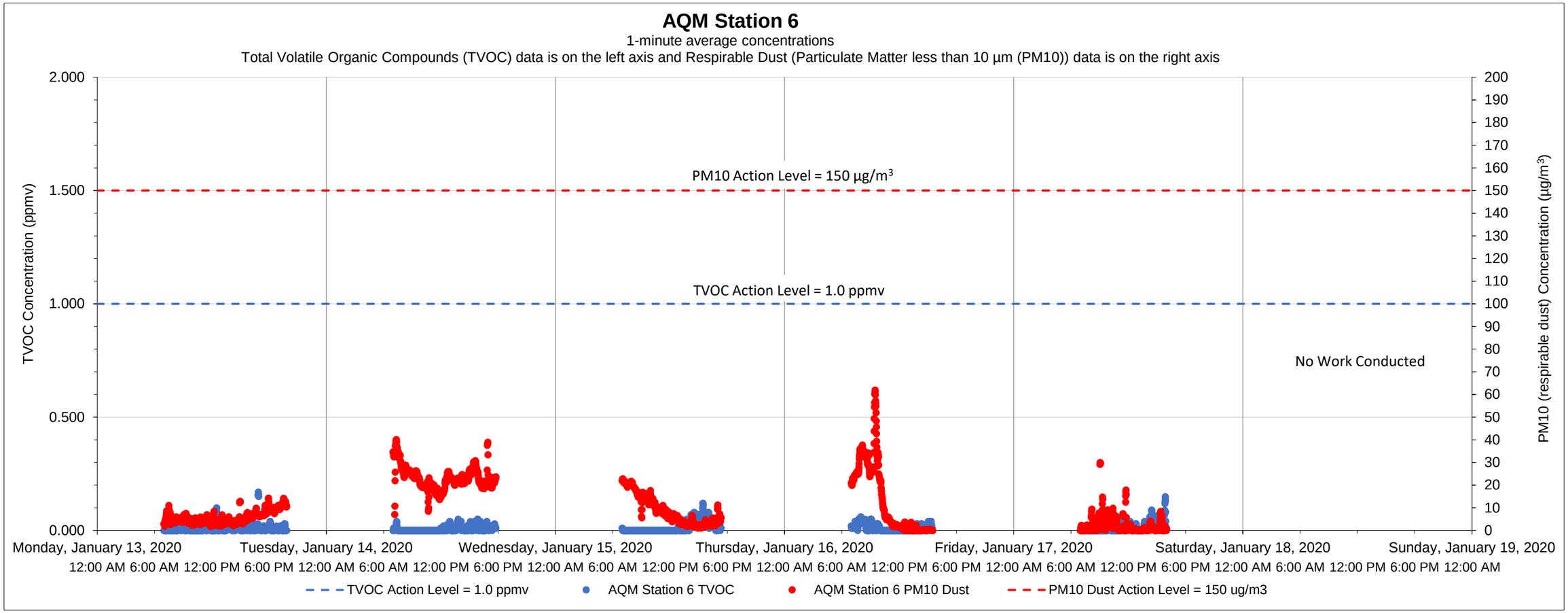

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.17	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.55	µg/m^3
PM10 maximum concentration	61.95	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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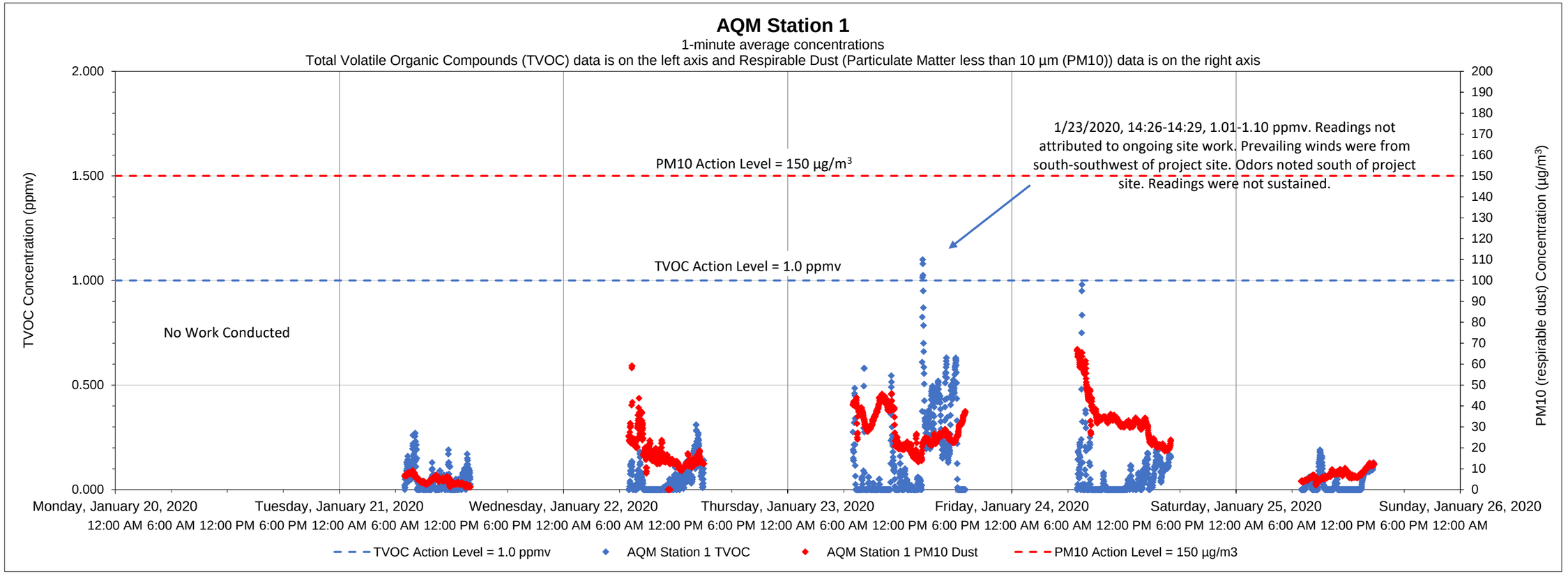

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	1.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.09	µg/m^3
PM10 maximum concentration	67.11	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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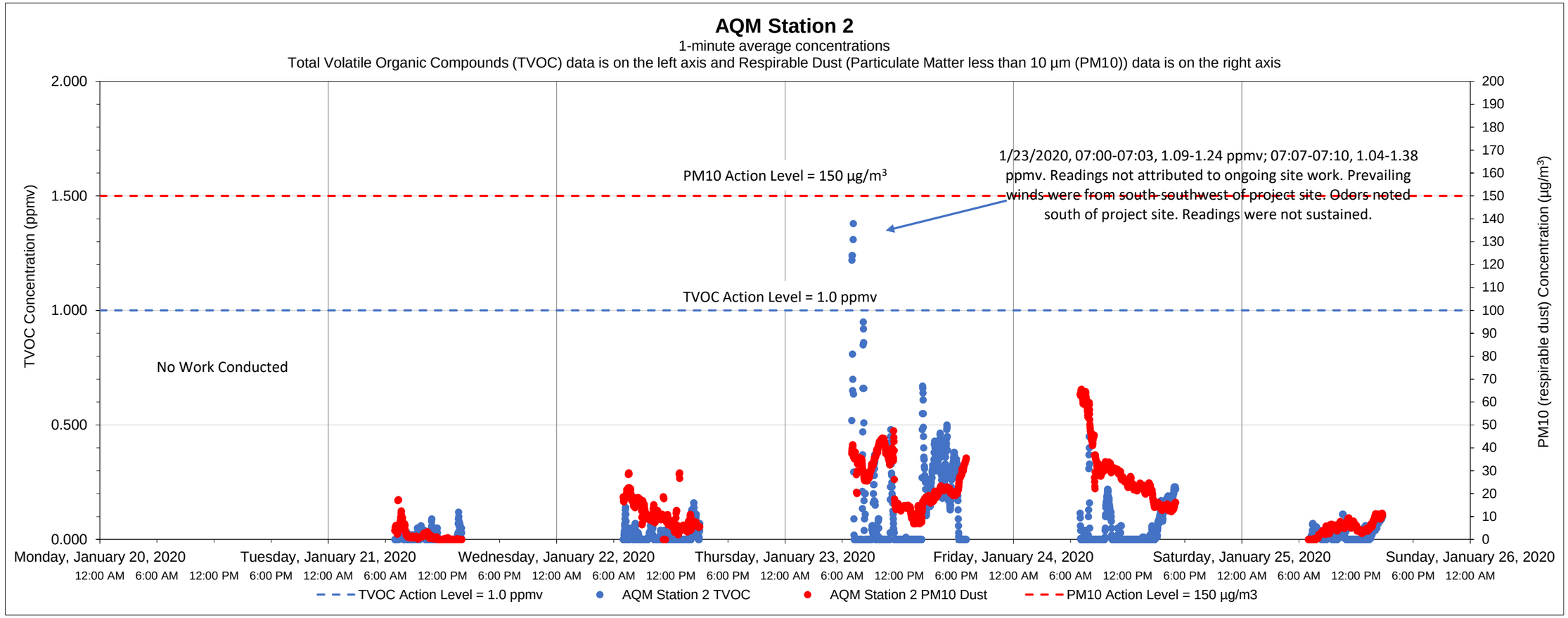

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.38	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.92	µg/m^3
PM10 maximum concentration	65.58	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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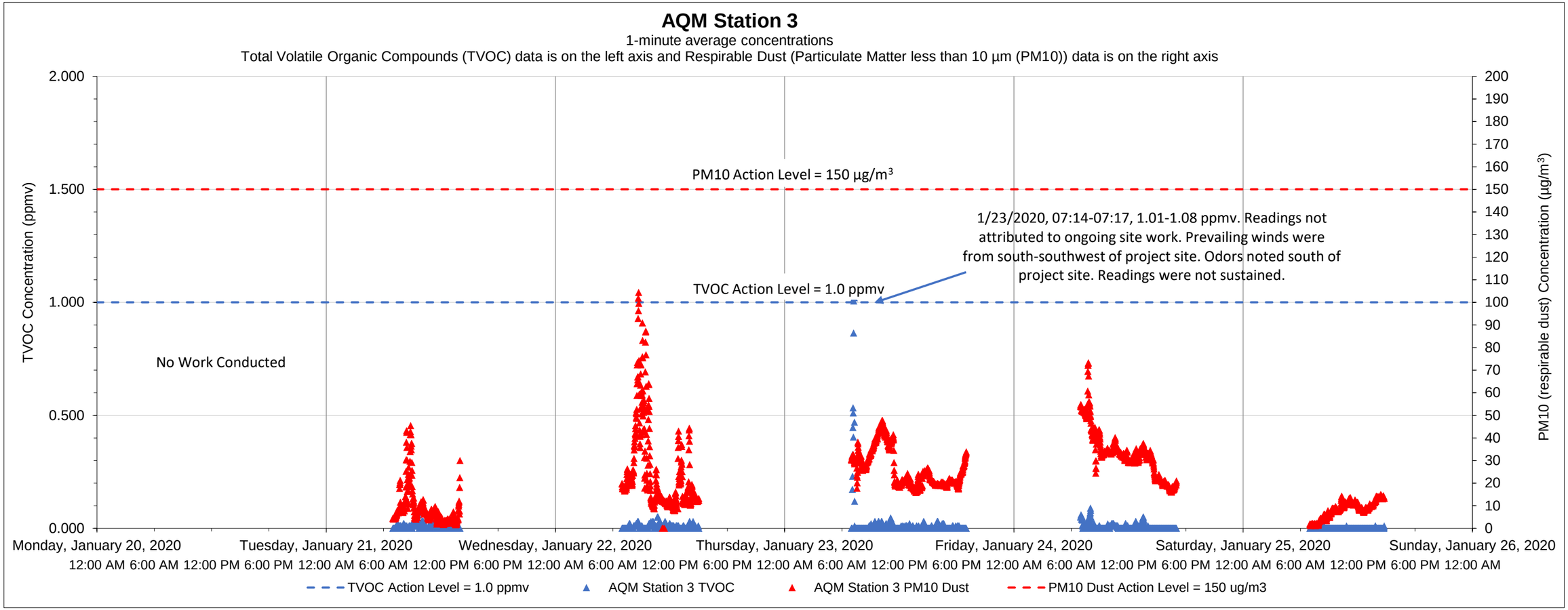

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	1.05	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.39	µg/m^3
PM10 maximum concentration	104.39	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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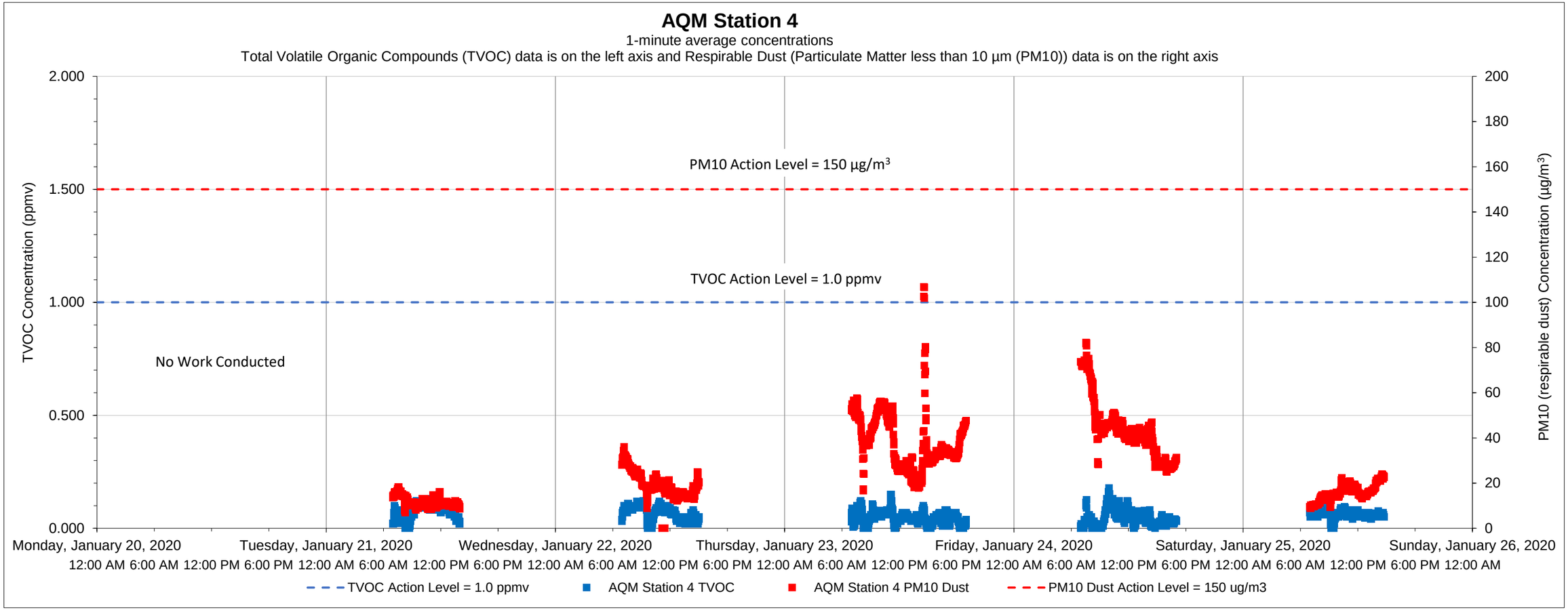

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	27.82	µg/m^3
PM10 maximum concentration	106.86	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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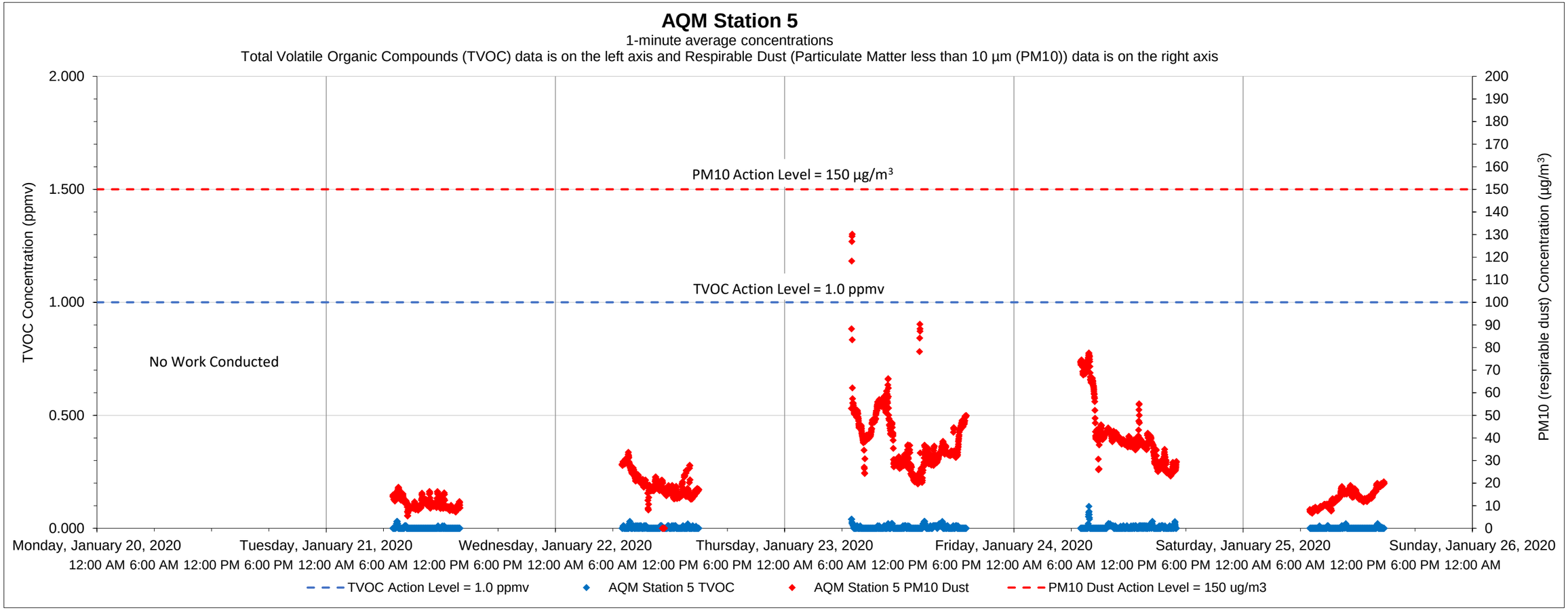

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	27.00	µg/m^3
PM10 maximum concentration	130.09	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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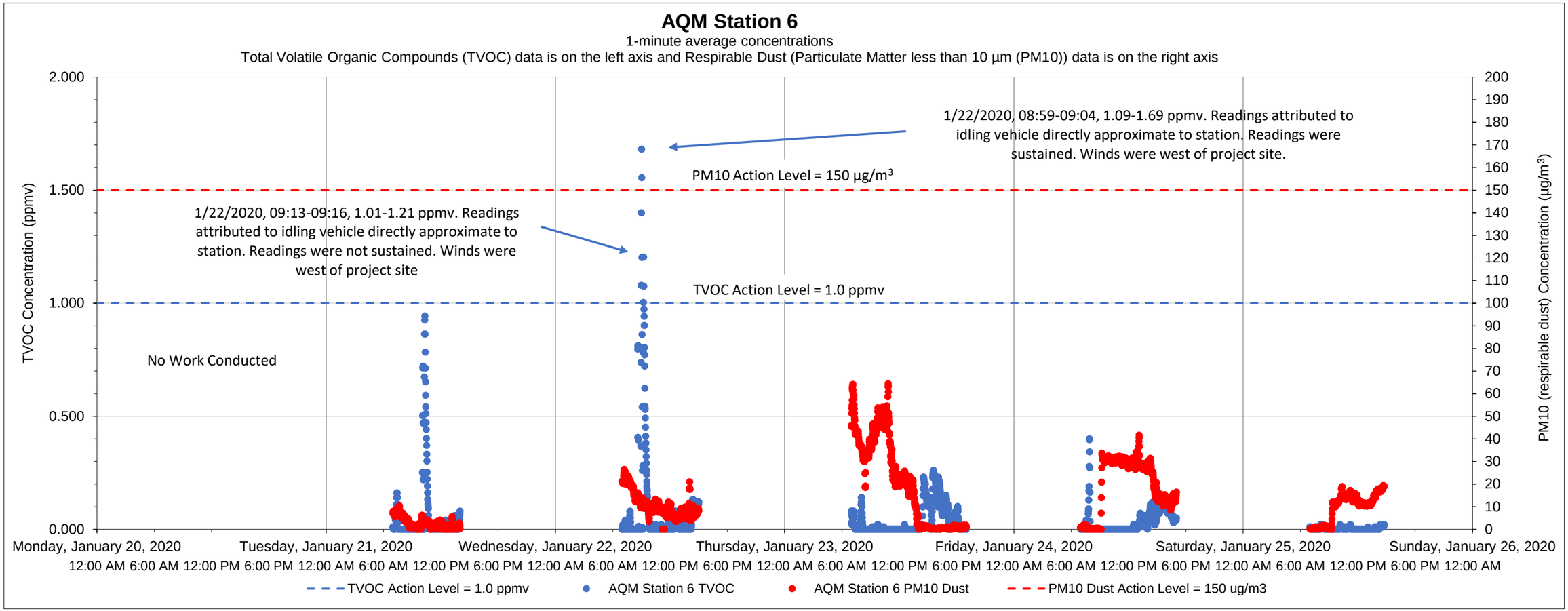

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
1/22/2020	8:59	TVOC	1.09-1.69 ppmv	No actions taken

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.68	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.63	µg/m^3
PM10 maximum concentration	64.39	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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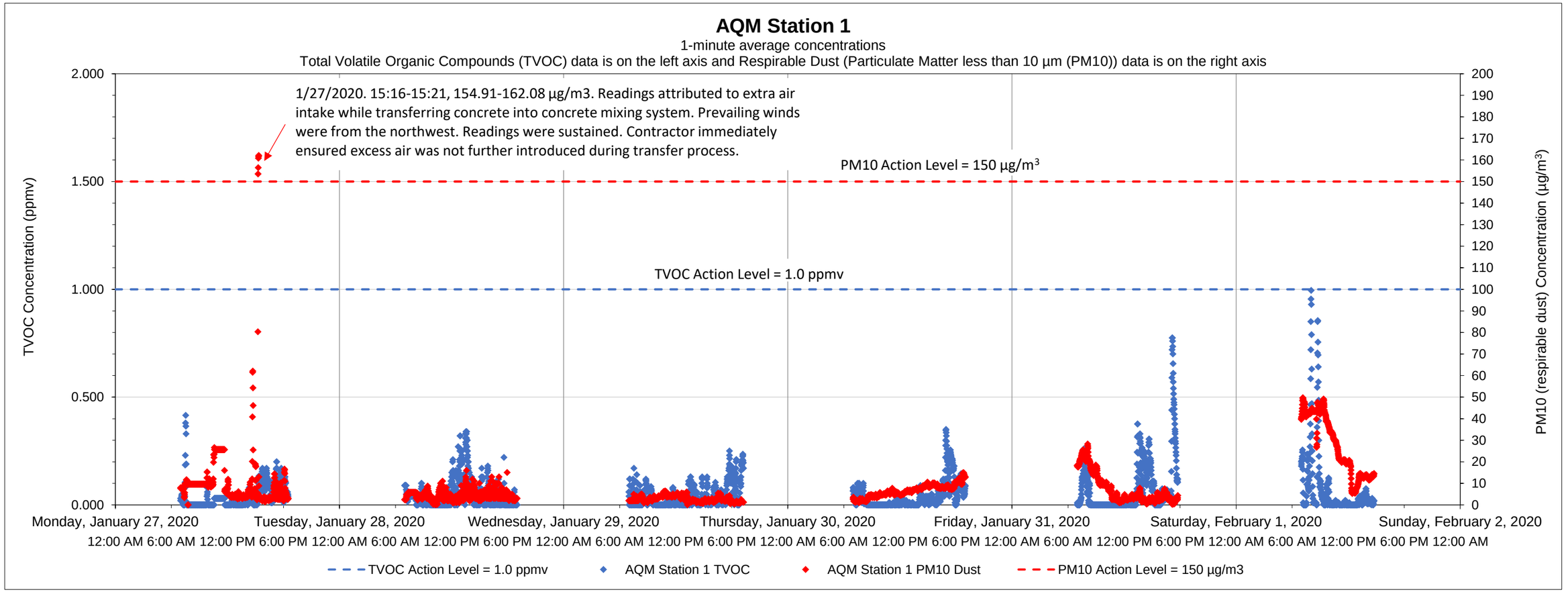

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
1/27/2020	15:16	Dust	154.91-162.08 µg/m3	Contractor fixed concrete transfer system.

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.99	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.56	µg/m^3
PM10 maximum concentration	162.08	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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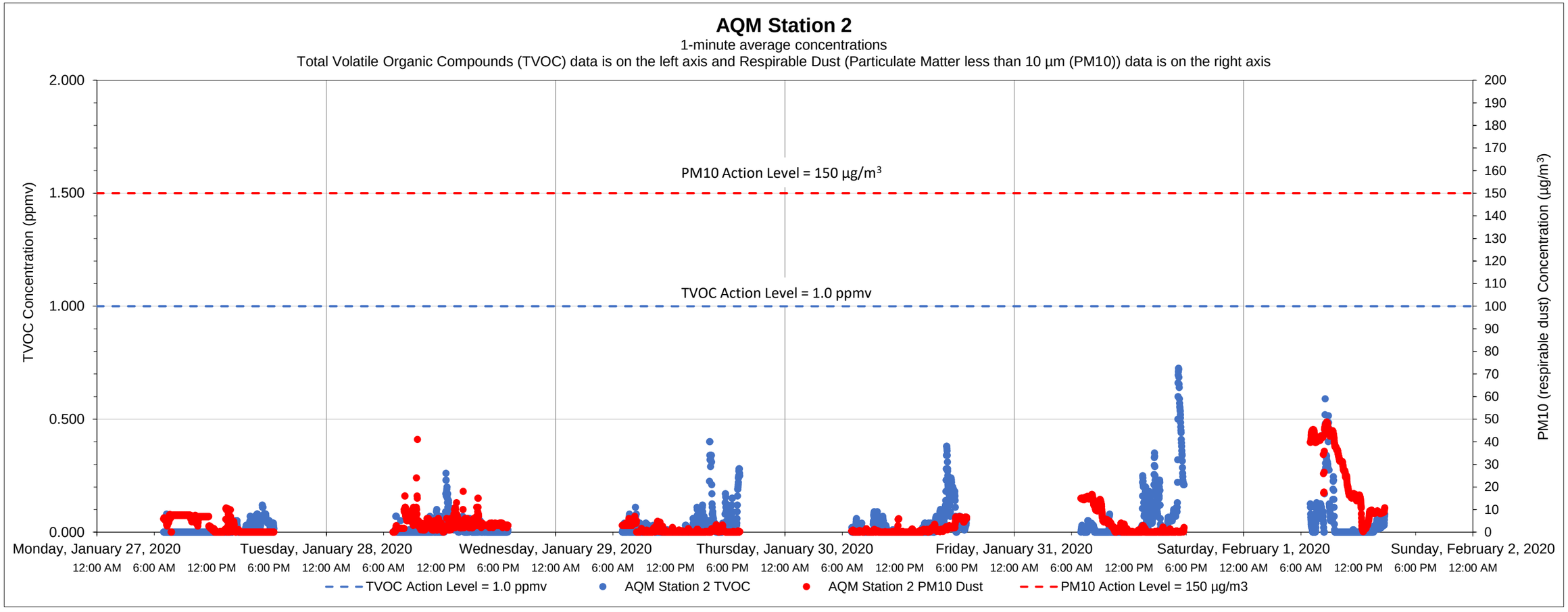

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.72	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.98	µg/m^3
PM10 maximum concentration	48.68	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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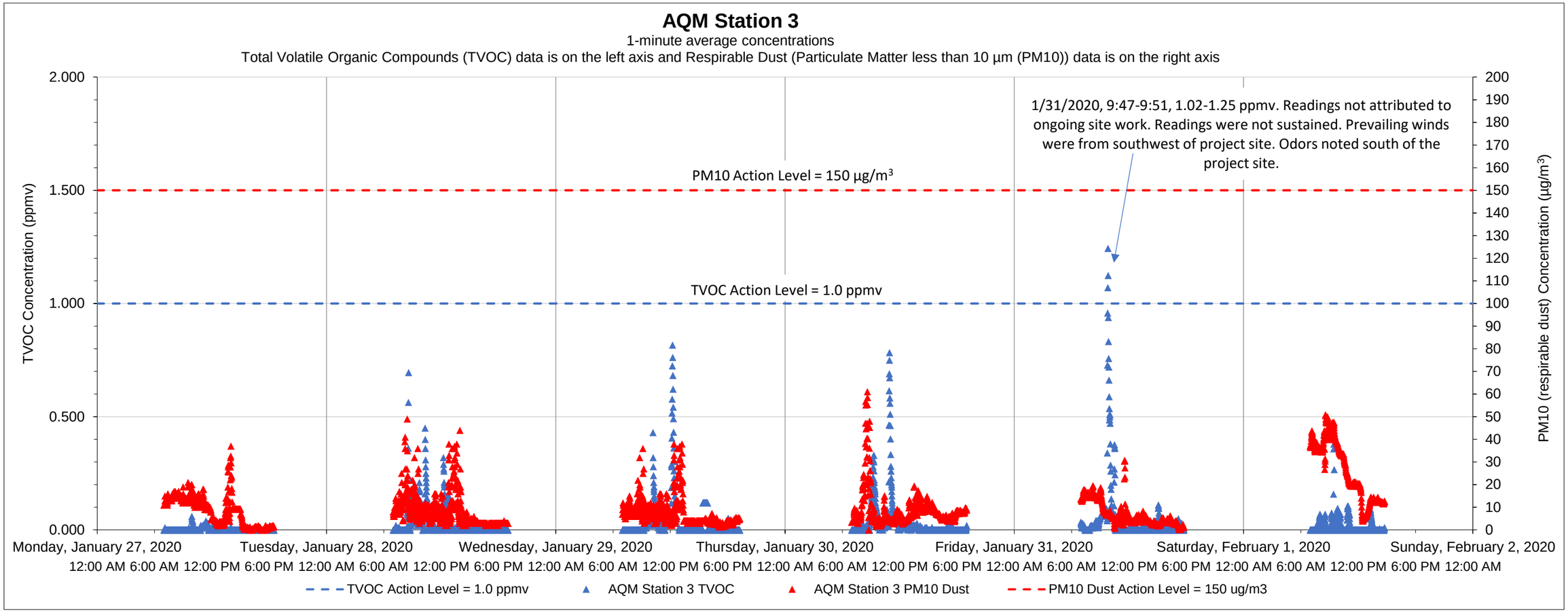

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	1.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.80	µg/m^3
PM10 maximum concentration	61.04	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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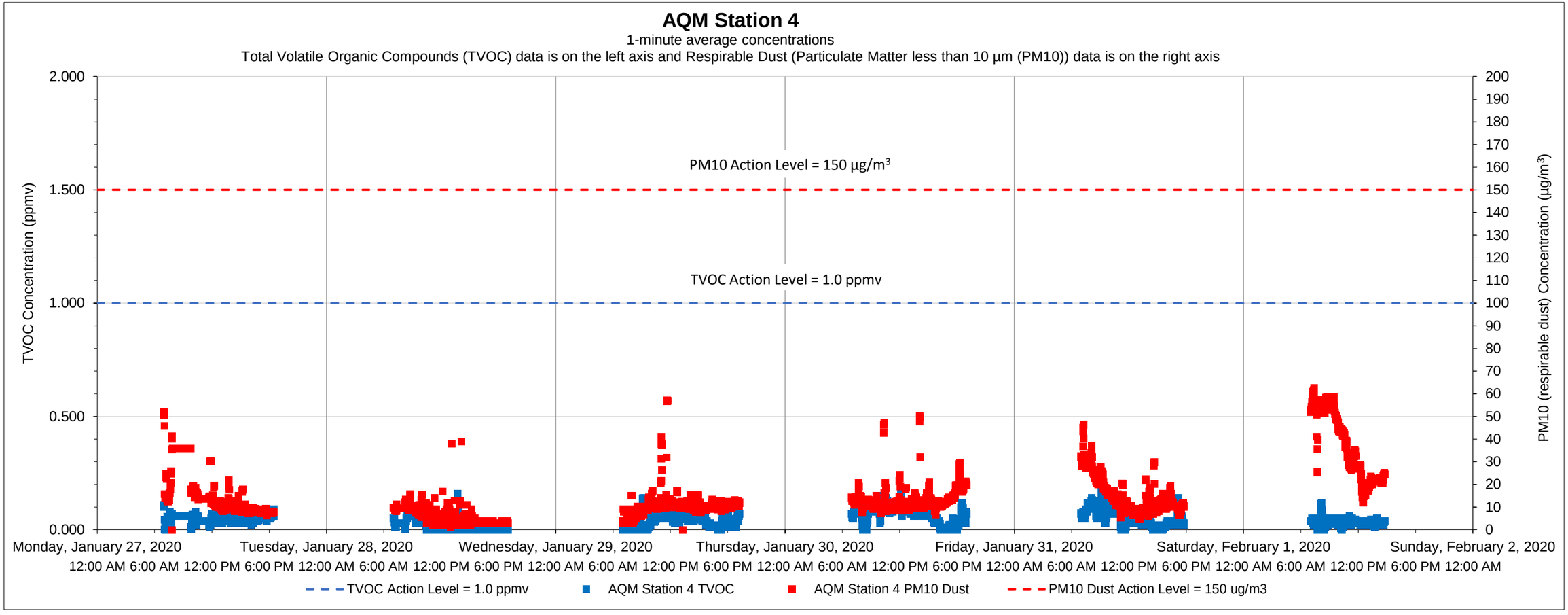

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.84	µg/m^3
PM10 maximum concentration	62.64	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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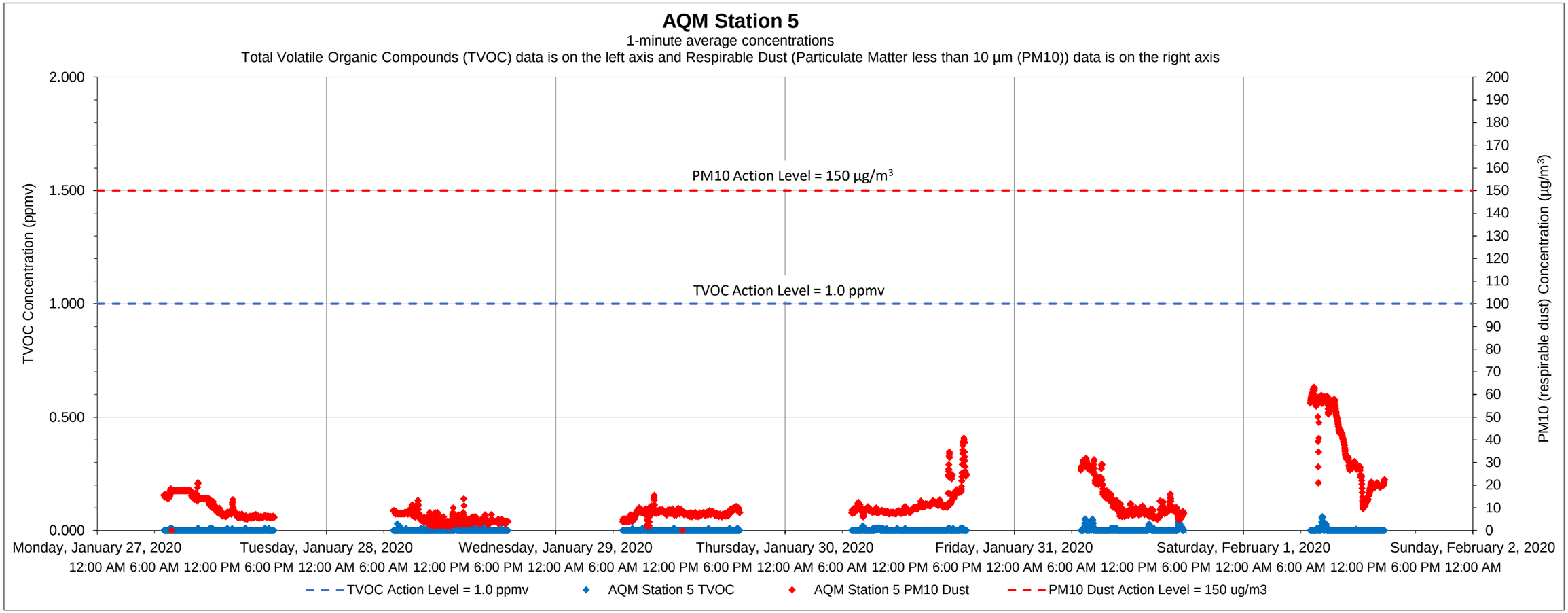
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.06	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.64	µg/m^3
PM10 maximum concentration	63.30	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

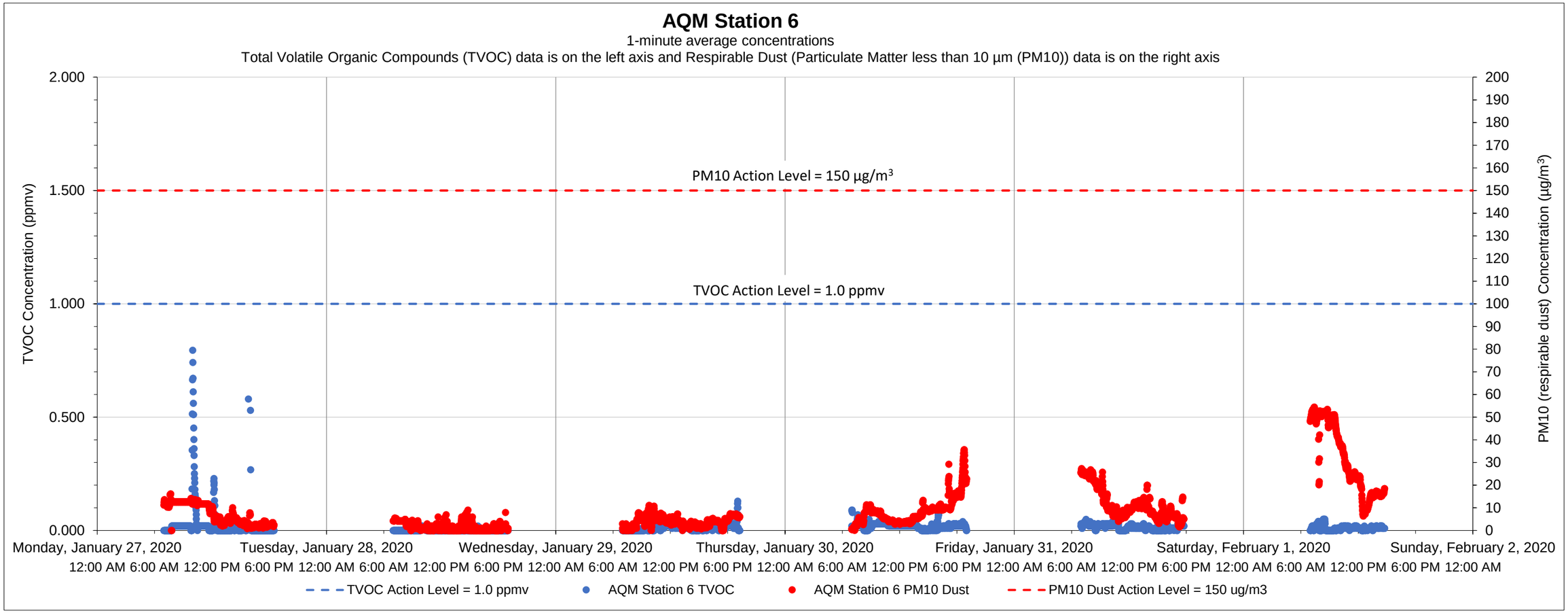
Prepared by GZA on behalf of National Grid LNG LLC

GZA Job No. 03.0033554.04

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.80	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.33	µg/m^3
PM10 maximum concentration	54.47	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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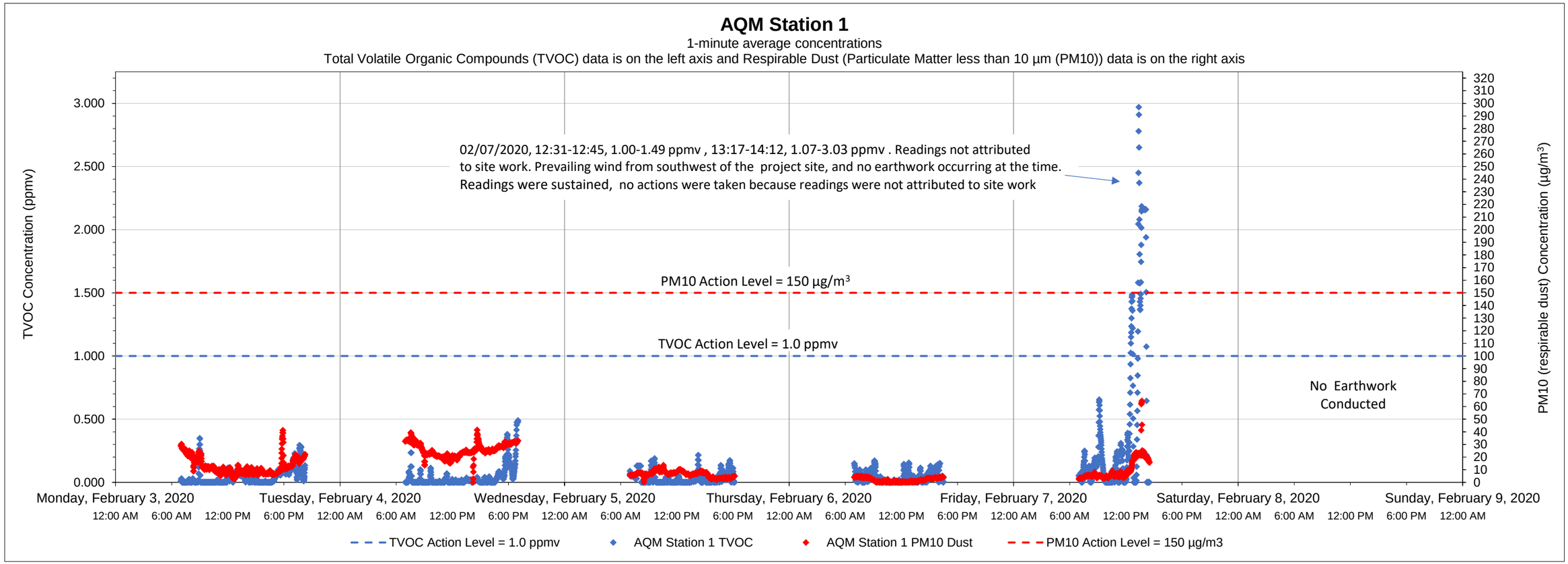
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
2/7/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
2/7/2020	12:31-12:45	TVOC	1.00-1.49 ppmv	No actions performed, readings were not attributed to ongoing site work
2/7/2020	13:17-14:12	TVOC	1.07-3.03 ppmv	No actions performed, readings were not attributed to ongoing site work

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	3.03	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.89	µg/m^3
PM10 maximum concentration	64.52	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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2) The location of each AQM Station is presented on the attached summary figure.
3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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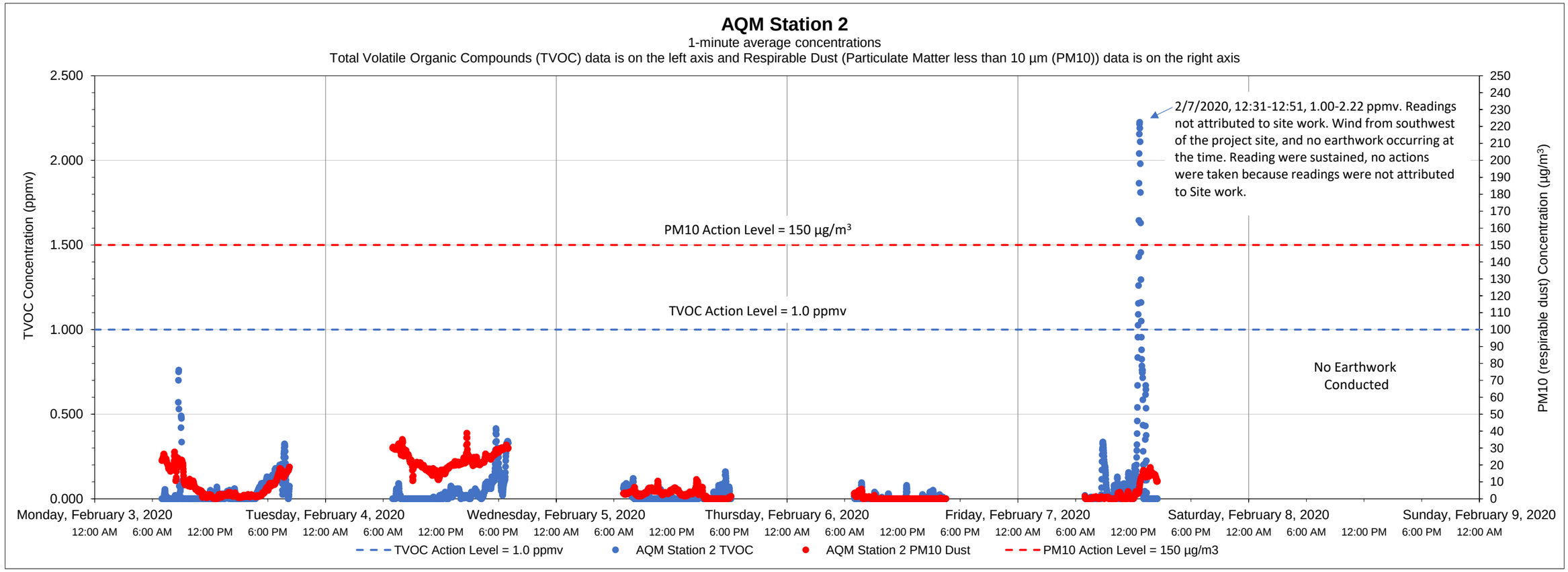

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
2/7/2020	12:31-12:51	TVOC	1.00-2.22 ppmv	No actions performed, readings were not attributed to ongoing site work

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	2.22	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.24	µg/m^3
PM10 maximum concentration	38.76	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

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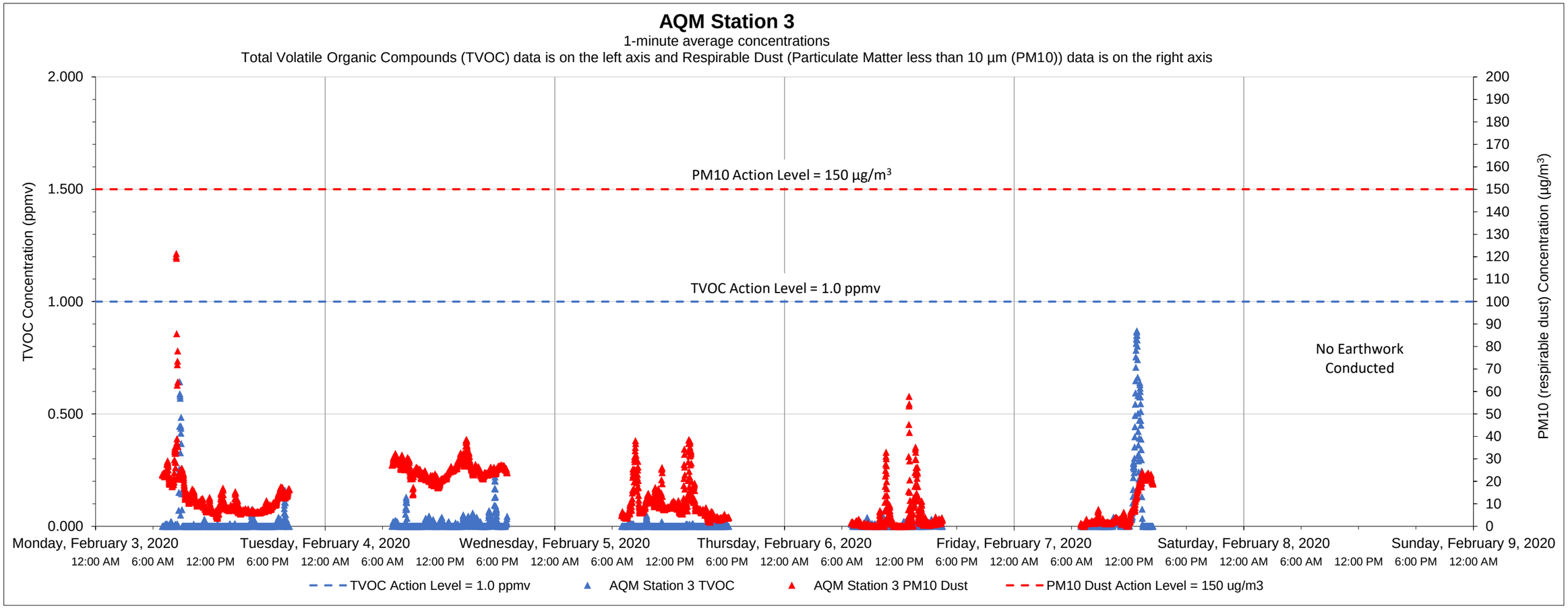

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.87	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.45	µg/m^3
PM10 maximum concentration	121.37	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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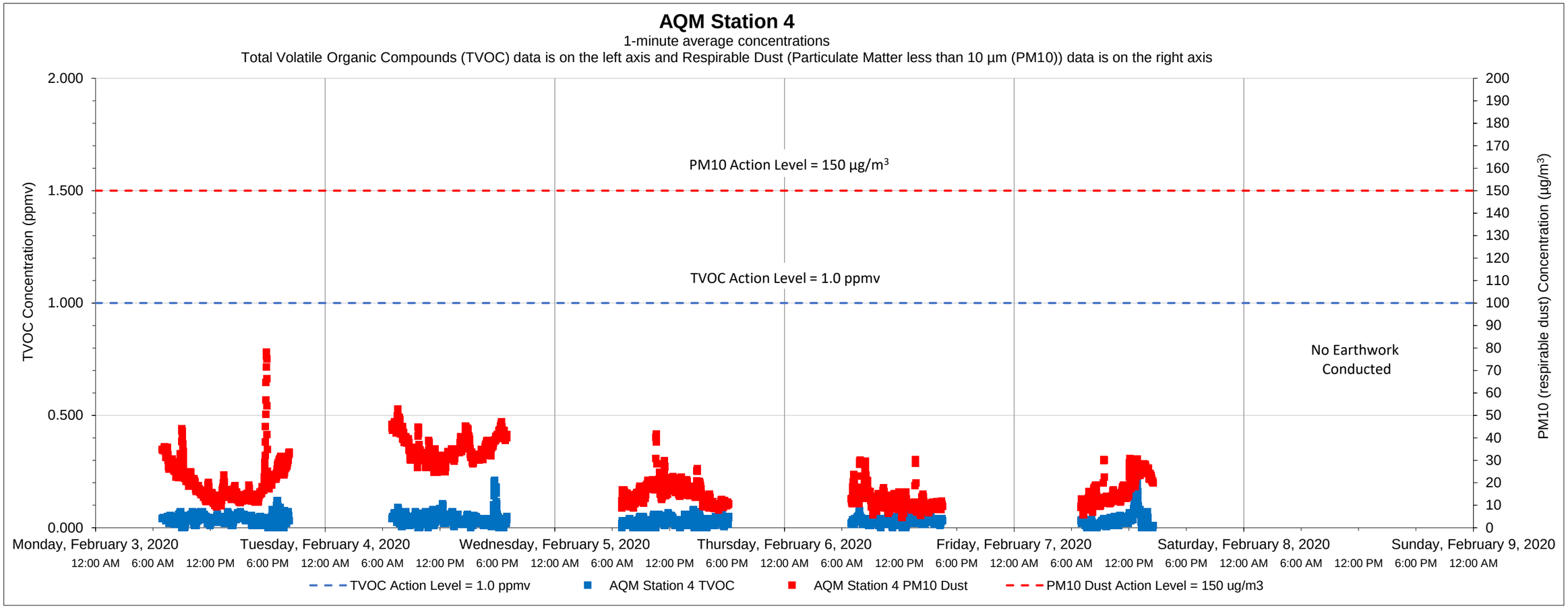

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.27	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.59	µg/m^3
PM10 maximum concentration	78.05	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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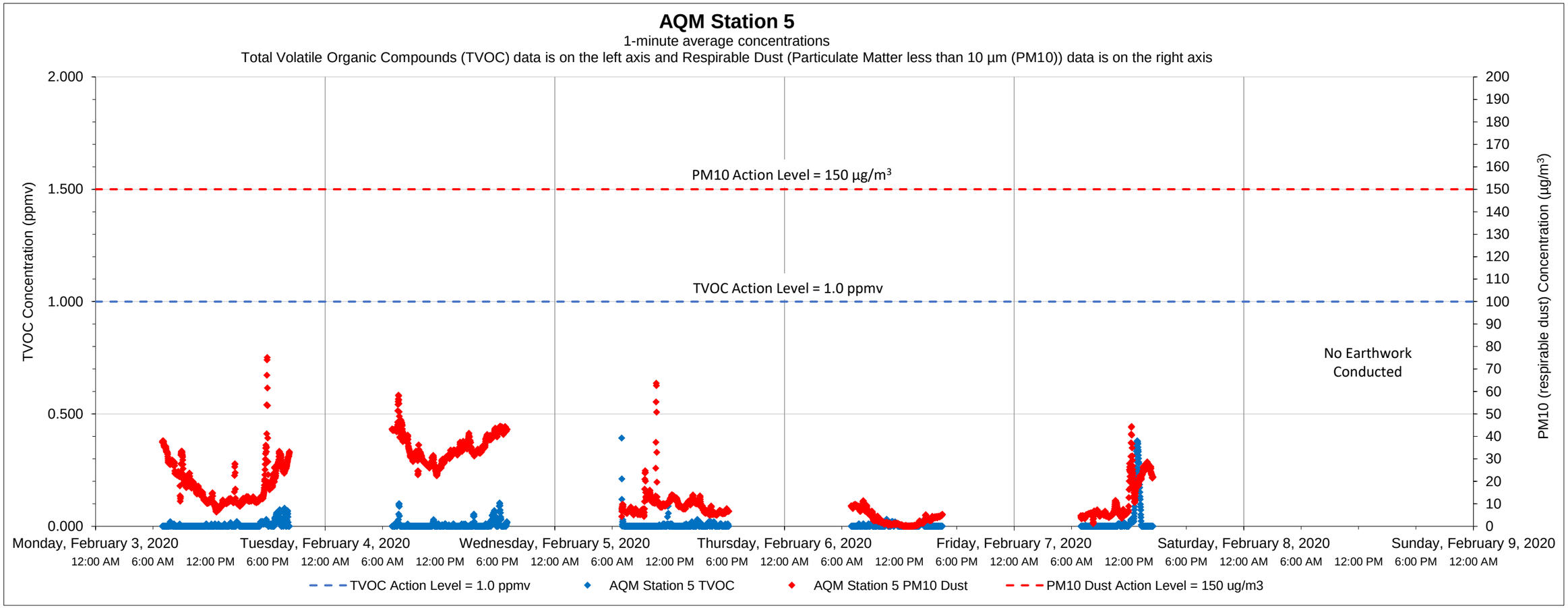

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.39	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.53	µg/m^3
PM10 maximum concentration	75.11	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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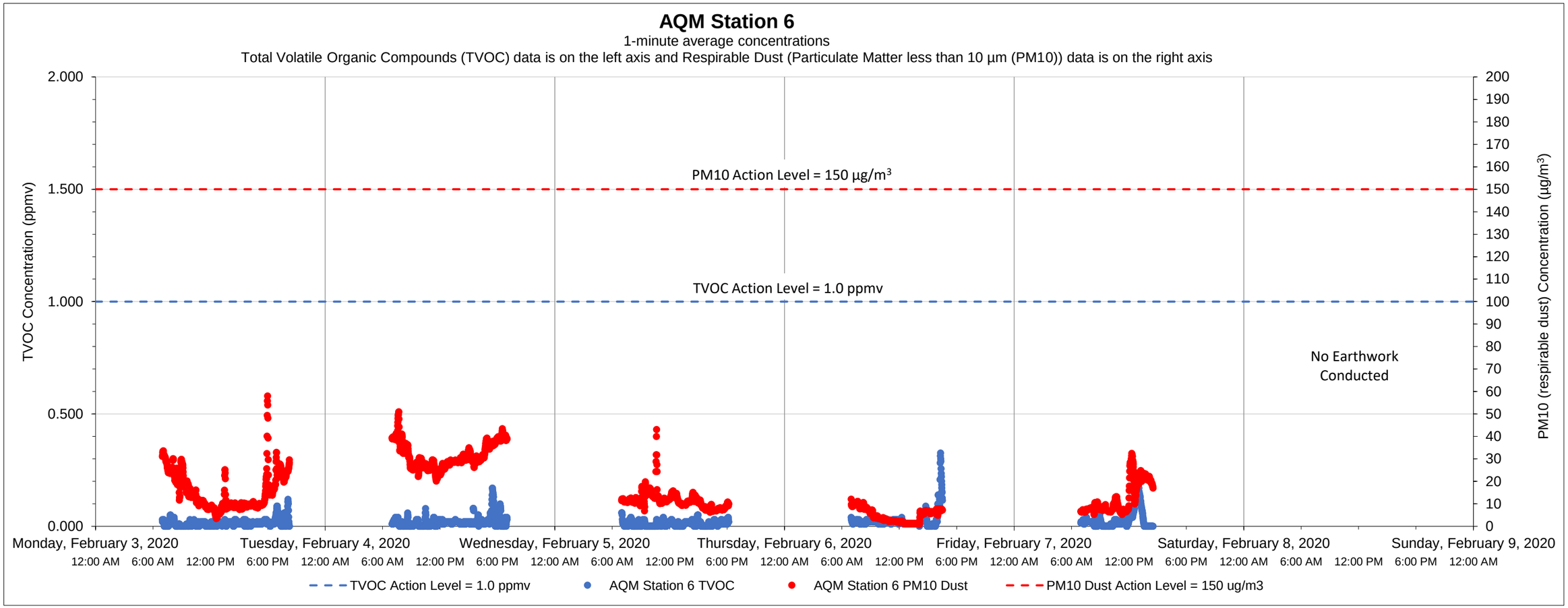

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.33	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.74	µg/m^3
PM10 maximum concentration	57.98	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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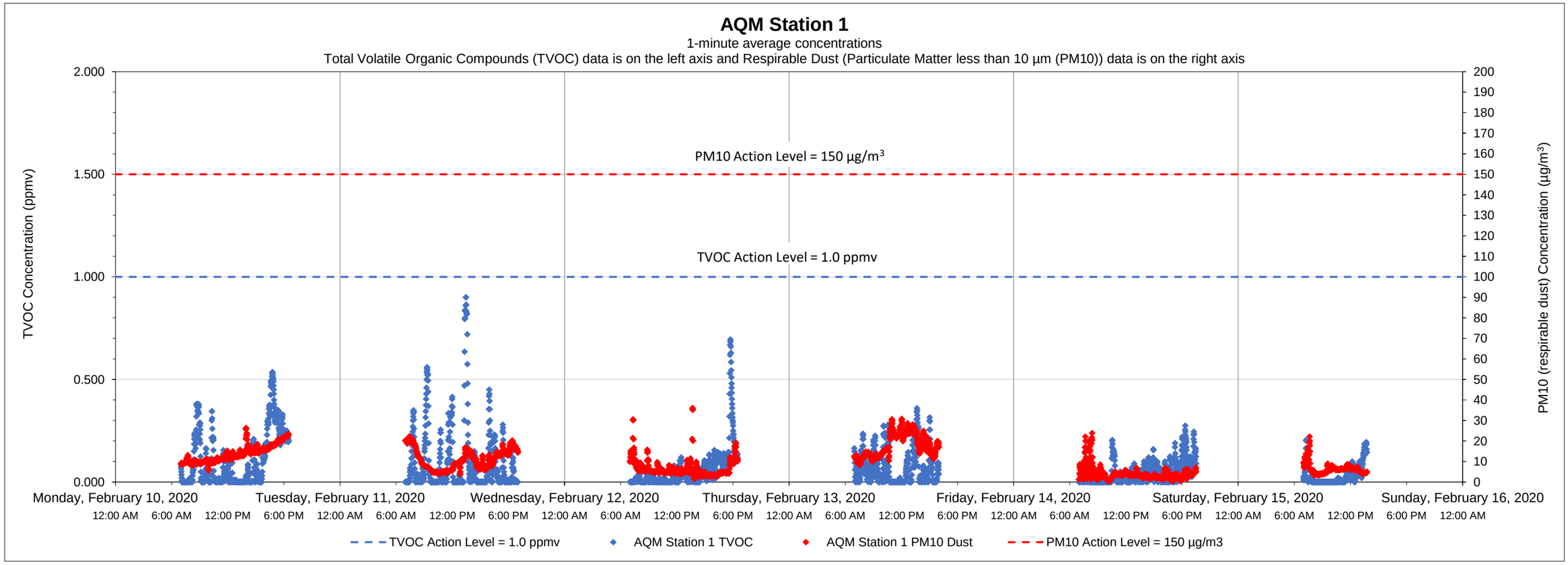

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.90	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.68	µg/m^3
PM10 maximum concentration	36.04	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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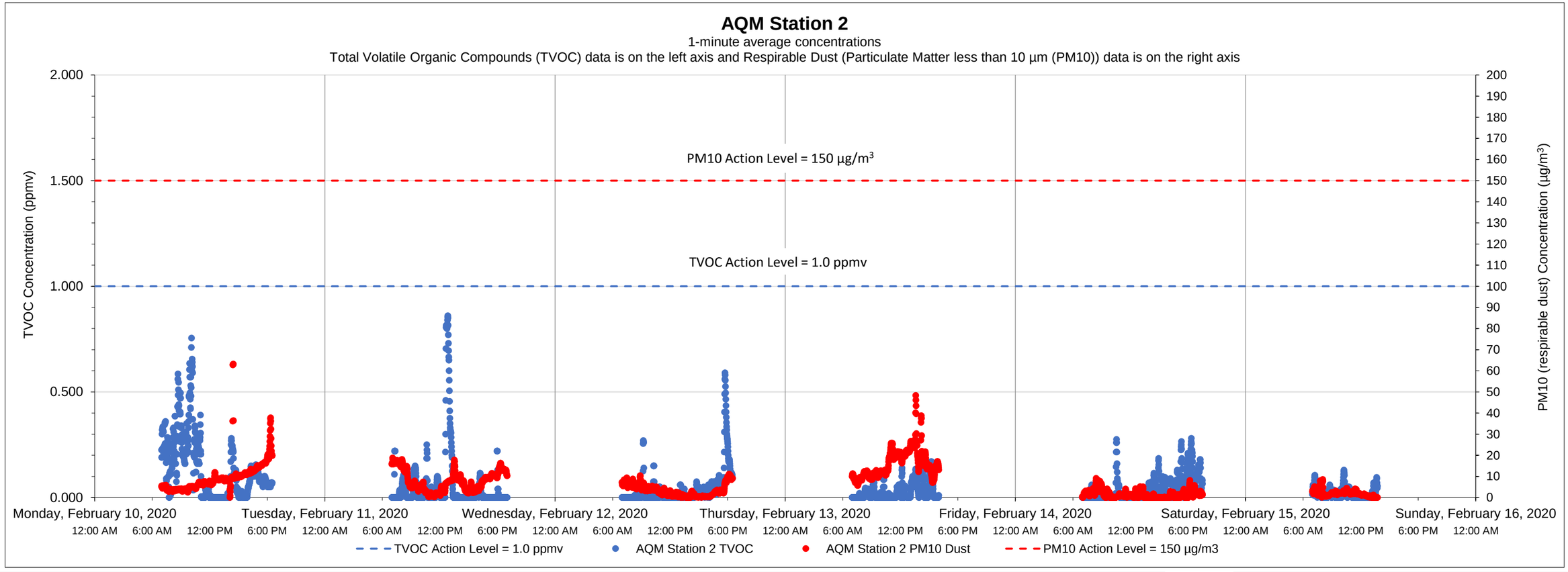

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.86	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.41	µg/m^3
PM10 maximum concentration	63.14	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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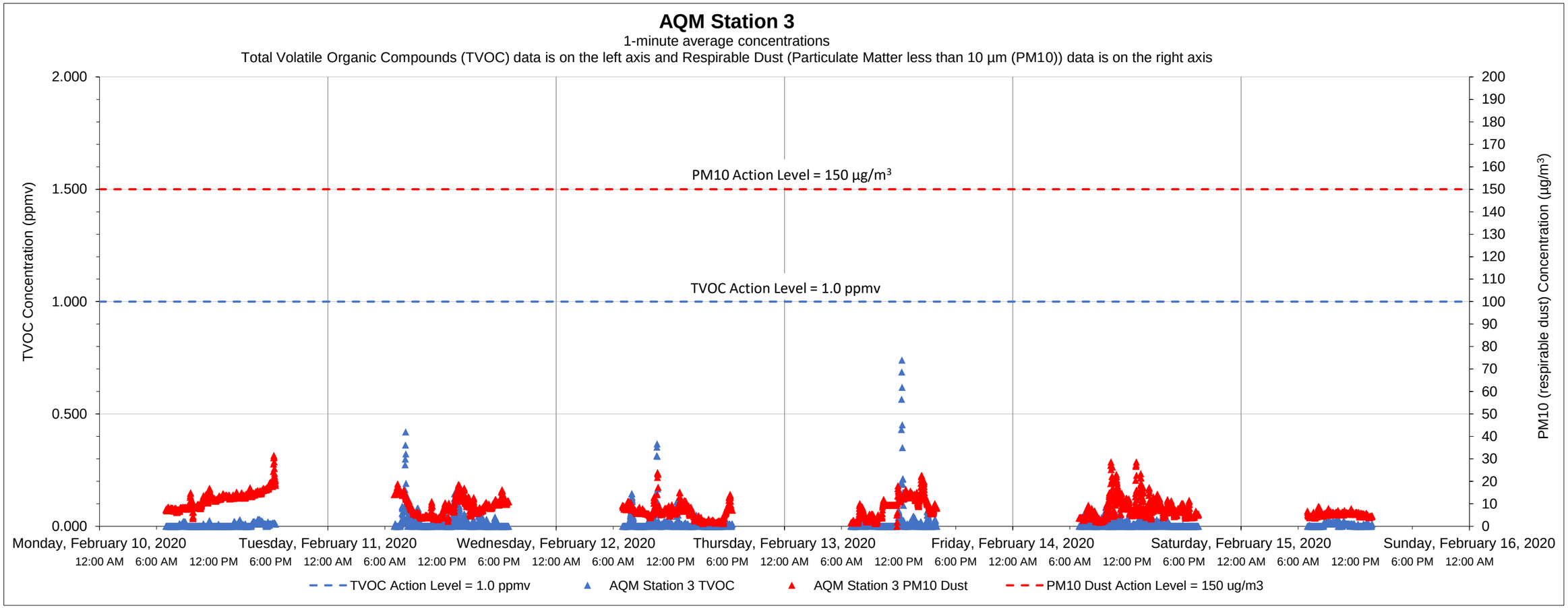

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.74	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.52	µg/m^3
PM10 maximum concentration	31.58	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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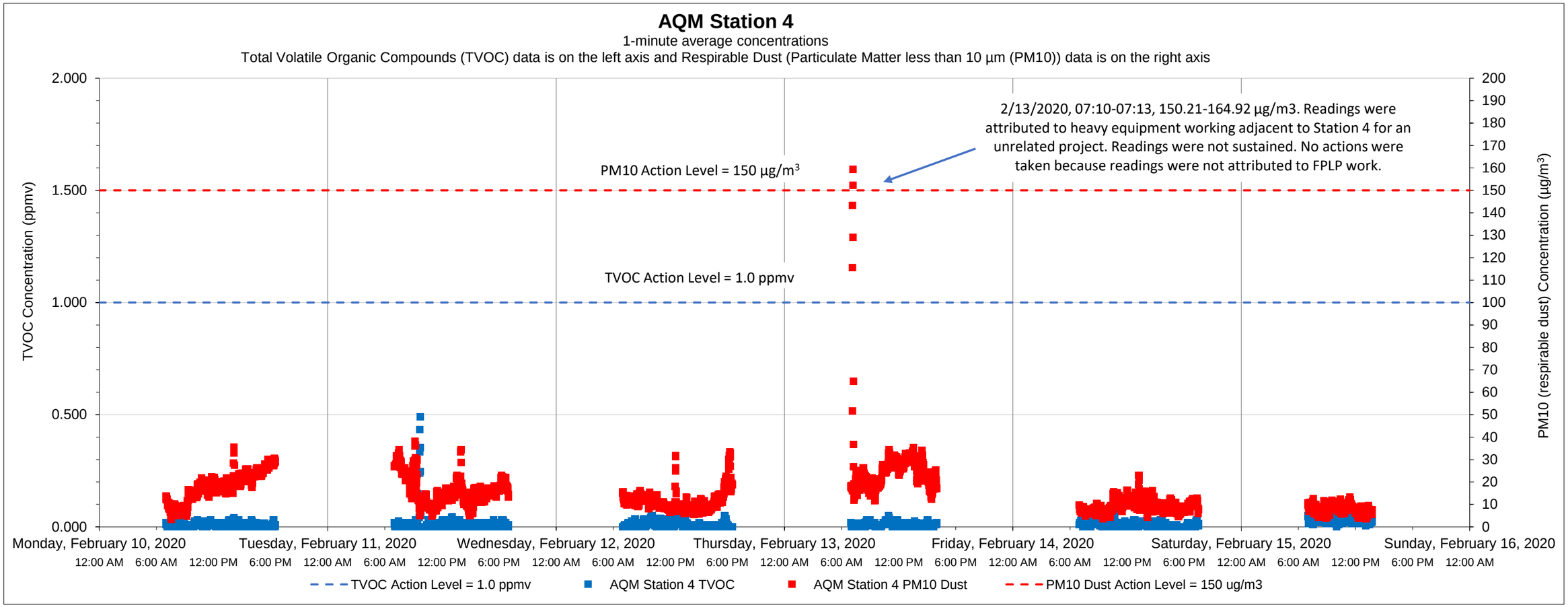

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None	7:10-7:13	Respirable Dust	150.21-164.92 µg/m^3	No actions were taken, readings were not attributed to FPLP work

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.49	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.54	µg/m^3
PM10 maximum concentration	159.39	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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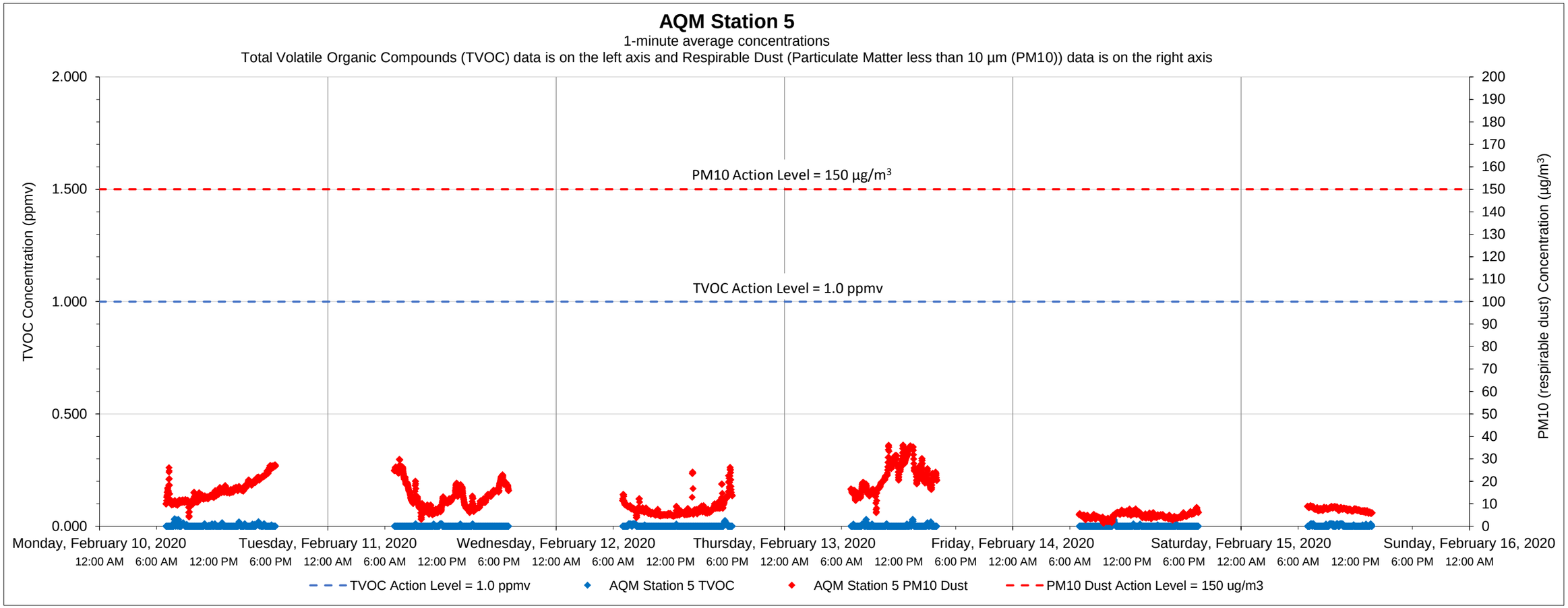

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.04	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.68	µg/m^3
PM10 maximum concentration	36.20	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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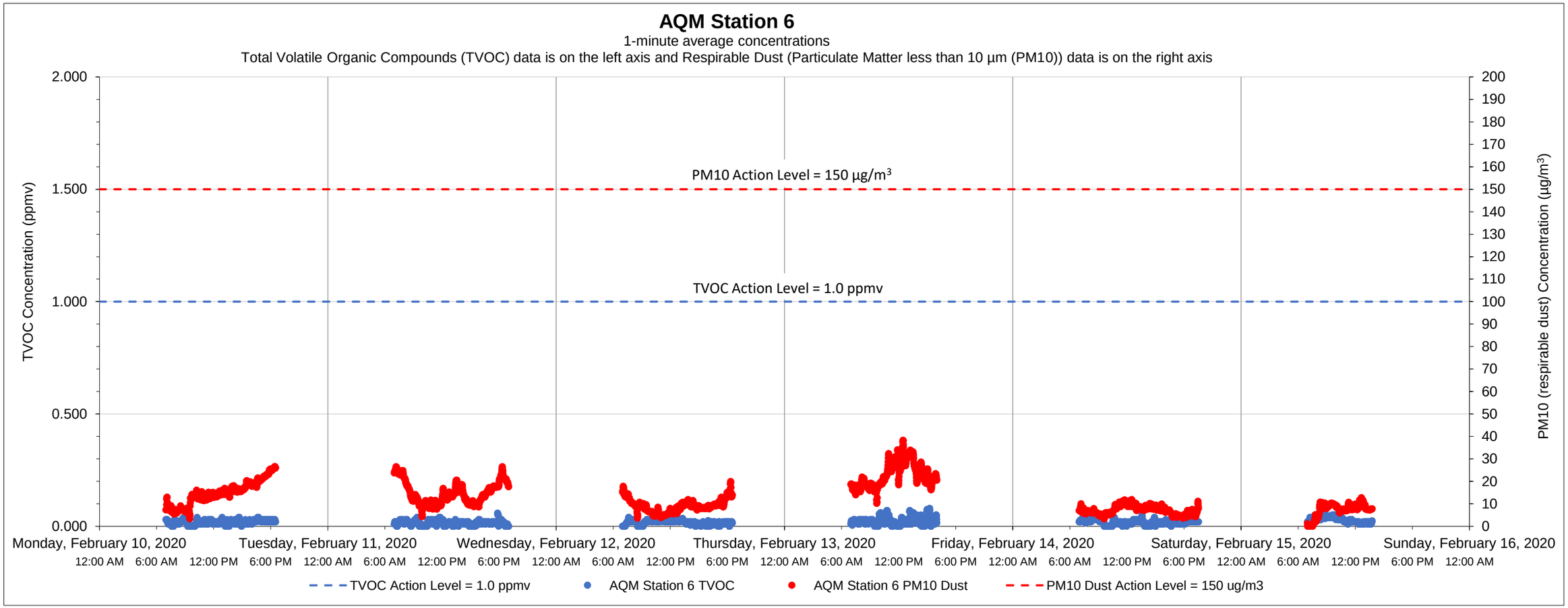

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.08	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.48	µg/m^3
PM10 maximum concentration	38.26	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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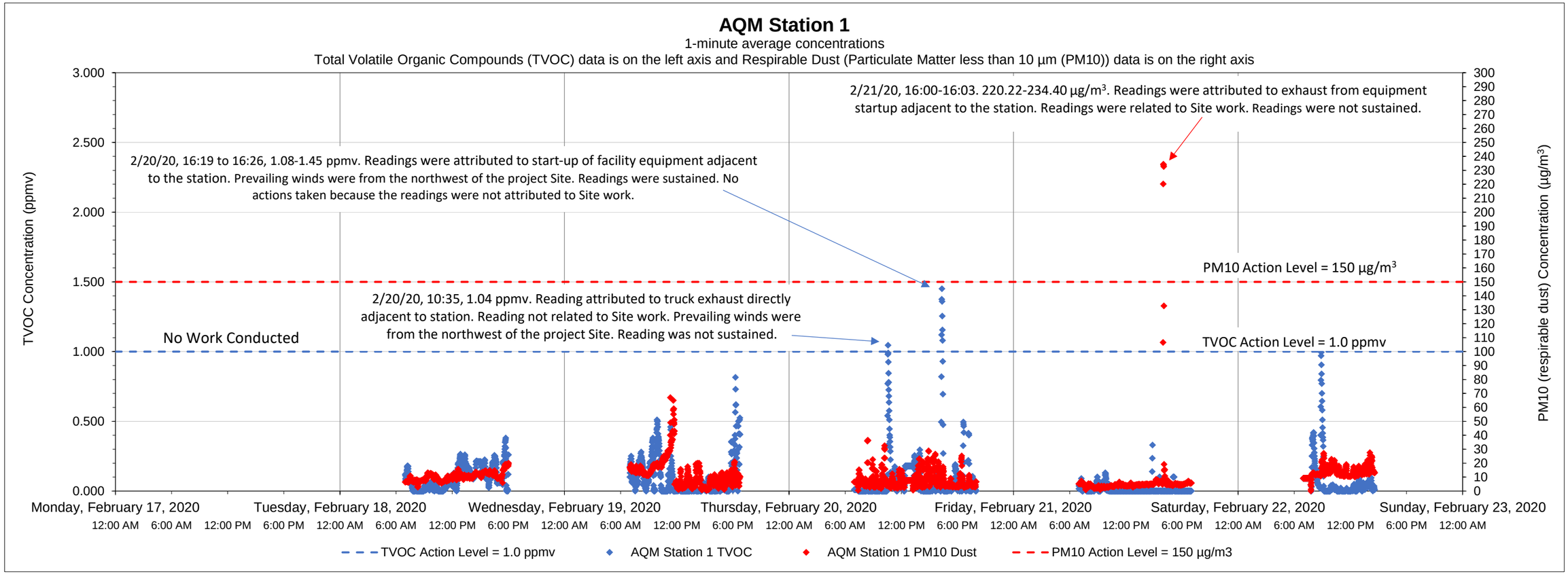

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
2/20/2020	16:19-16:26	TVOC	1.08-1.45 ppmv	No actions were taken, readings were not attributed to Site work

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.45	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.62	µg/m^3
PM10 maximum concentration	234.40	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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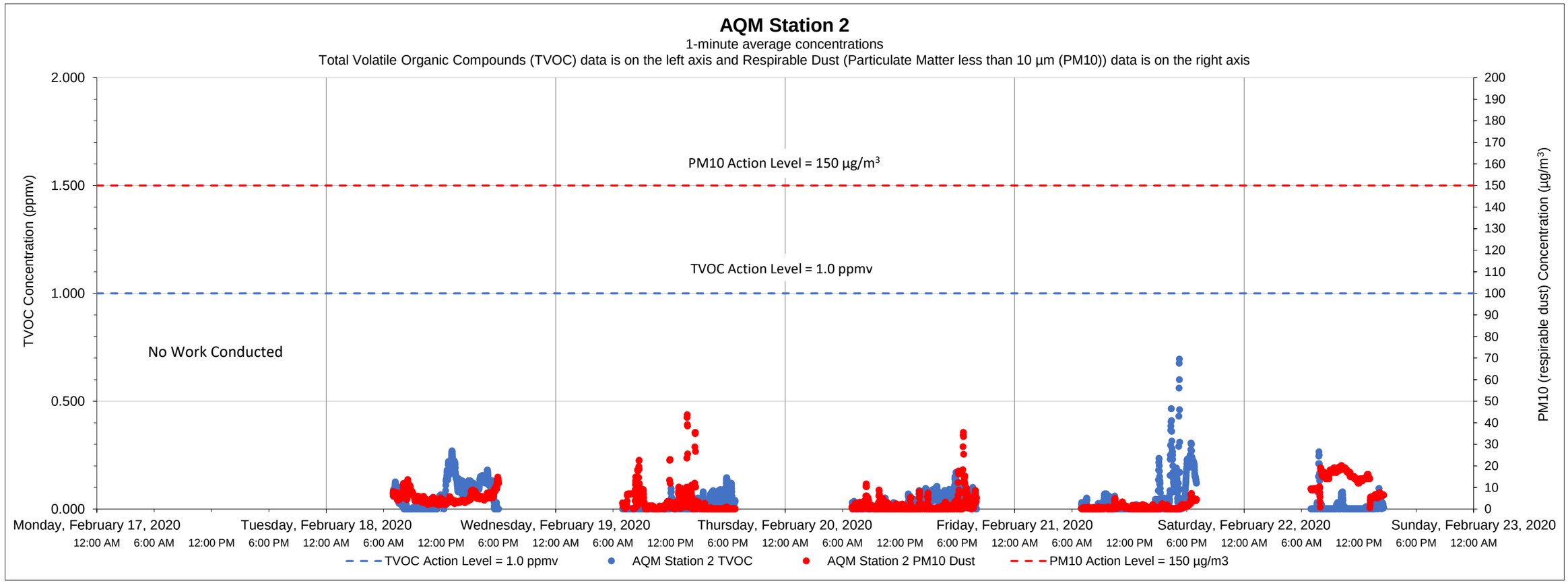

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.69	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.99	µg/m^3
PM10 maximum concentration	43.69	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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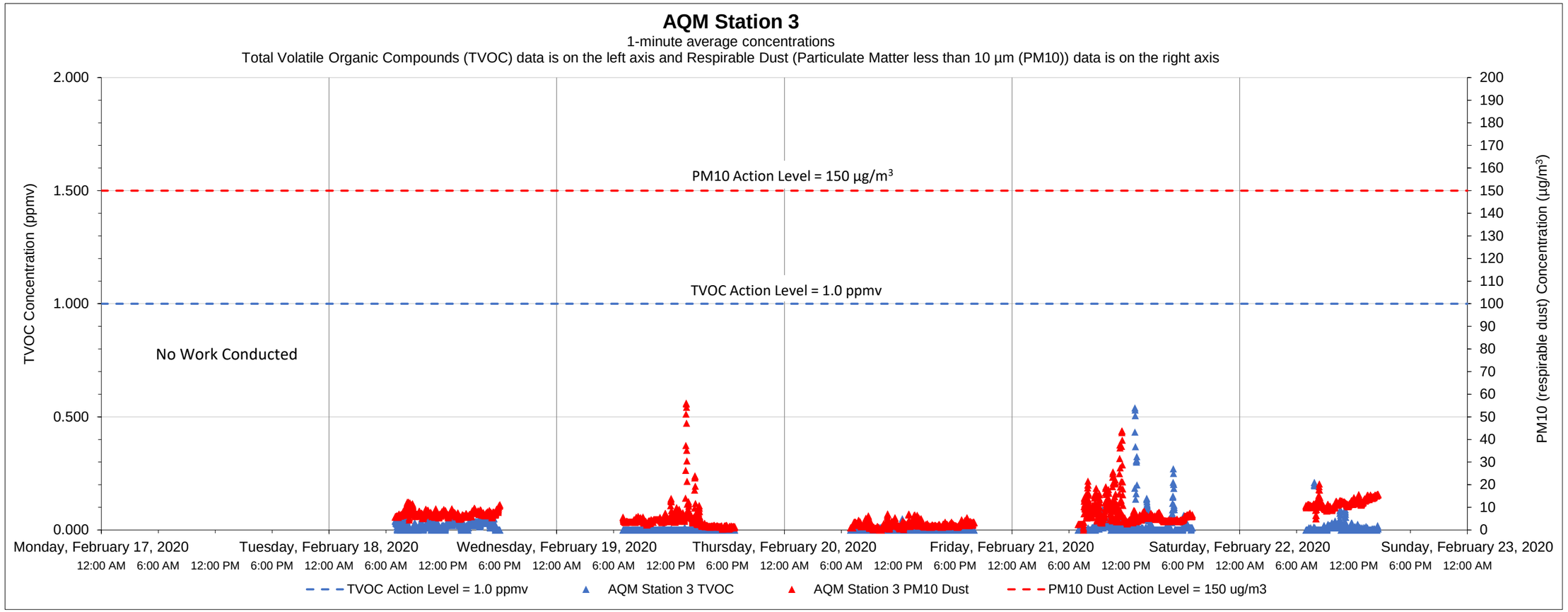

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.54	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.24	µg/m^3
PM10 maximum concentration	56.16	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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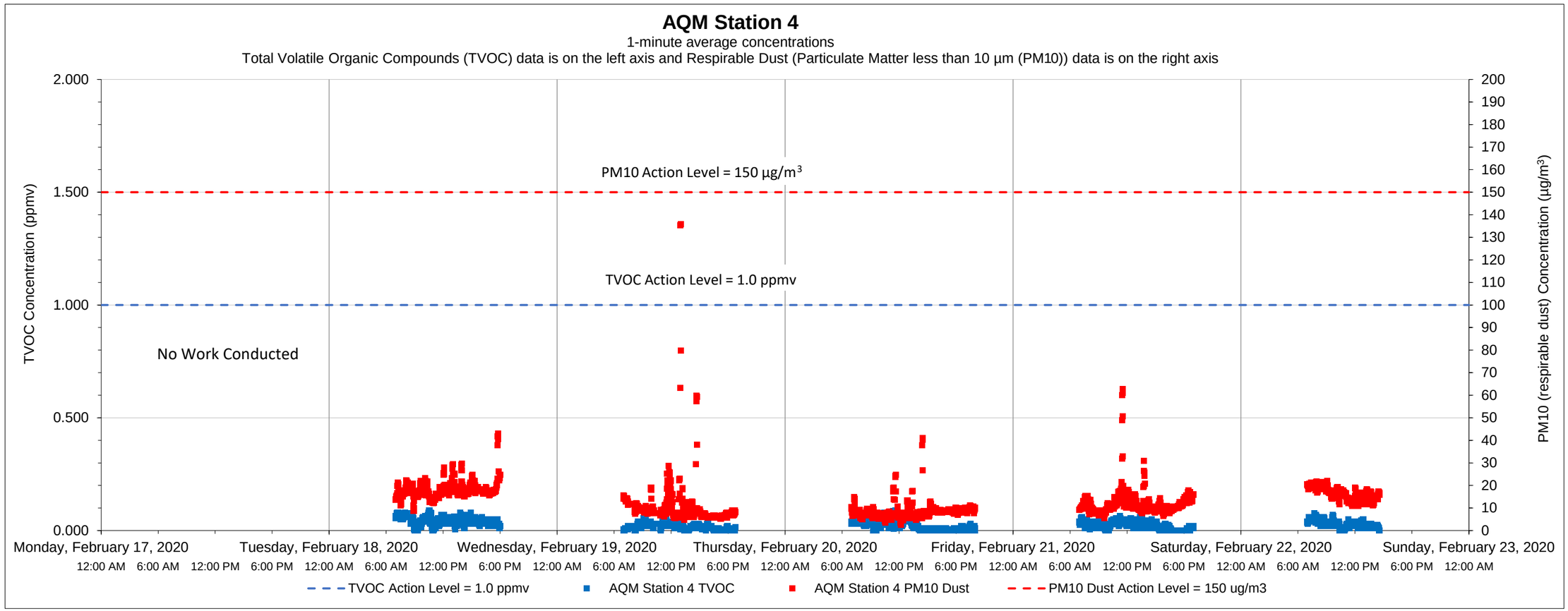
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
2/22/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.09	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.42	µg/m^3
PM10 maximum concentration	135.80	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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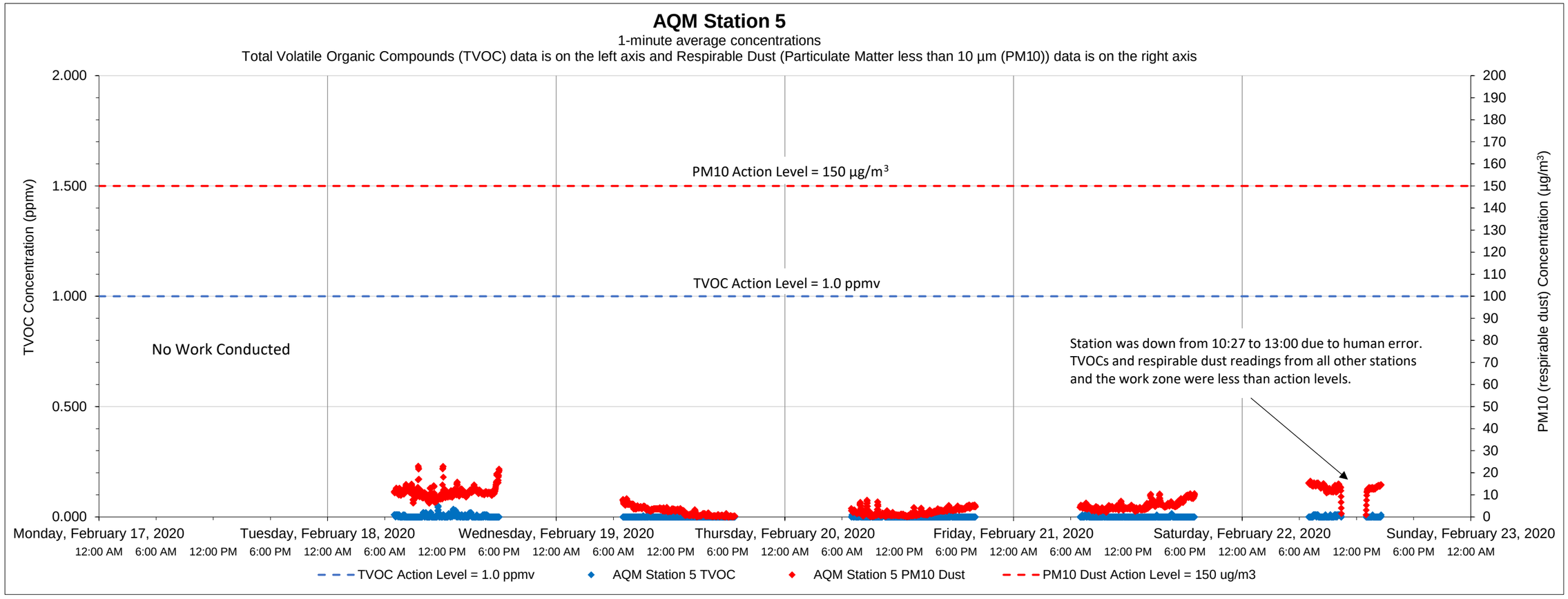

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
2/22/20- Station was down from 10:27 to 13:00 due to human error. TVOCs and respirable dust readings from all other stations and the work zone were less than action levels.

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.05	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.83	µg/m^3
PM10 maximum concentration	23.05	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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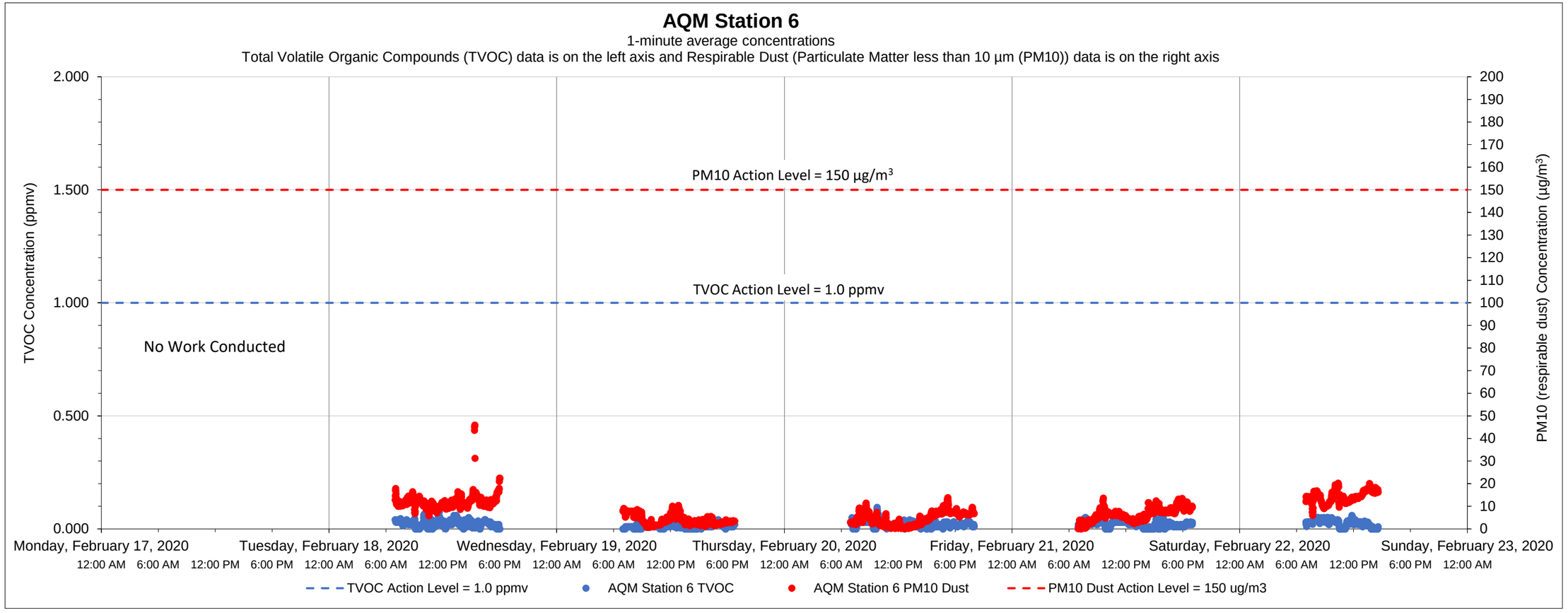

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.60	µg/m^3
PM10 maximum concentration	45.94	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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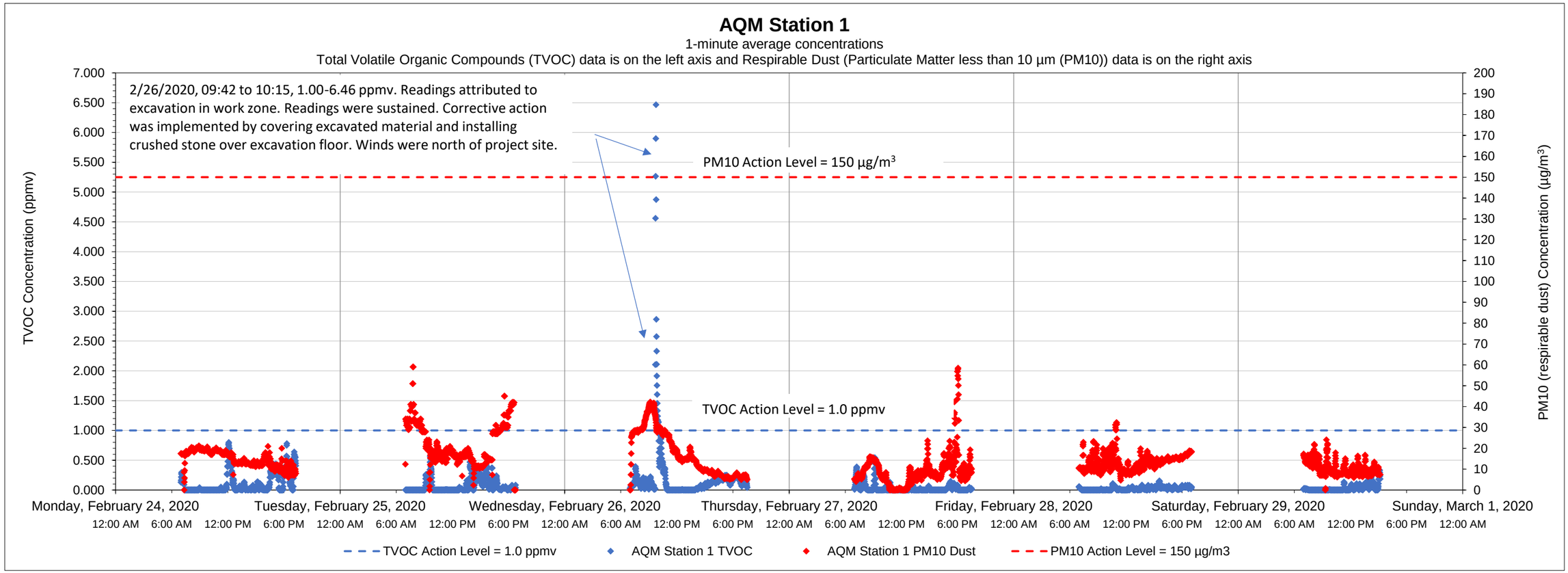

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
2/26/2020	09:42-10:15	TVOC	1.00-6.46 ppmv	Contractor covered excavated material and installed crushed stone over the excavation floor.

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	6.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.53	µg/m^3
PM10 maximum concentration	59.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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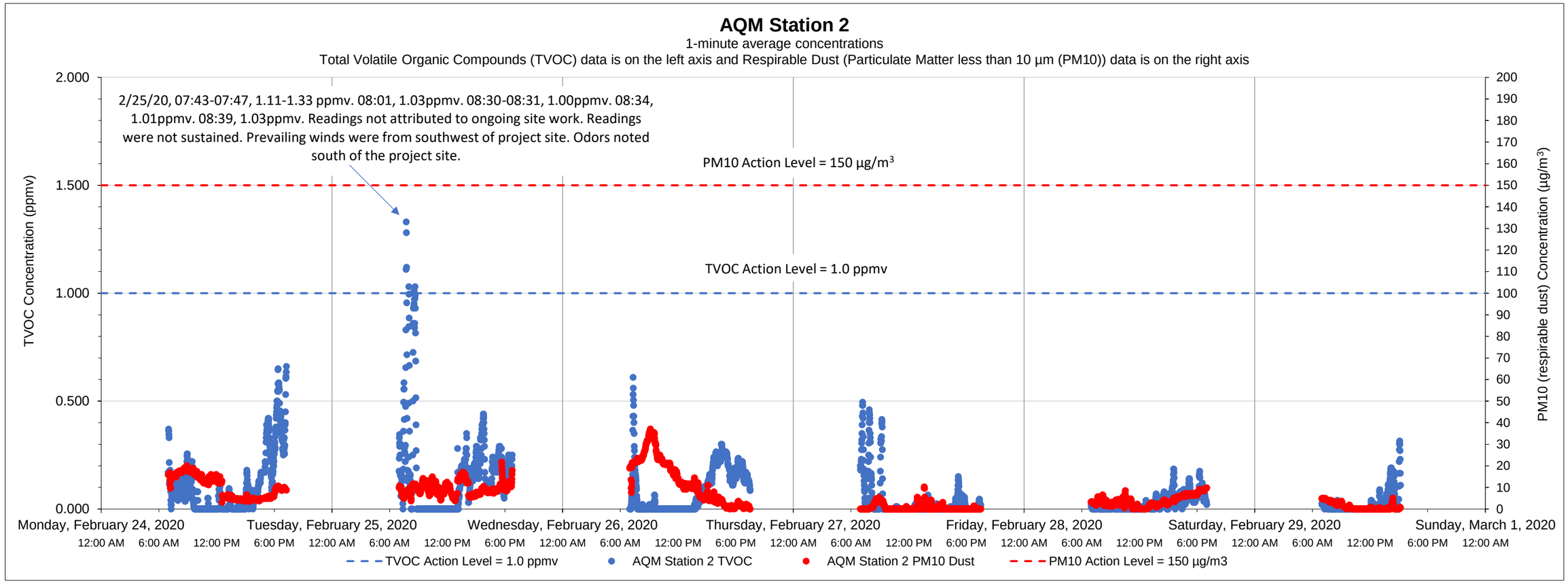

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	1.33	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.56	µg/m^3
PM10 maximum concentration	37.08	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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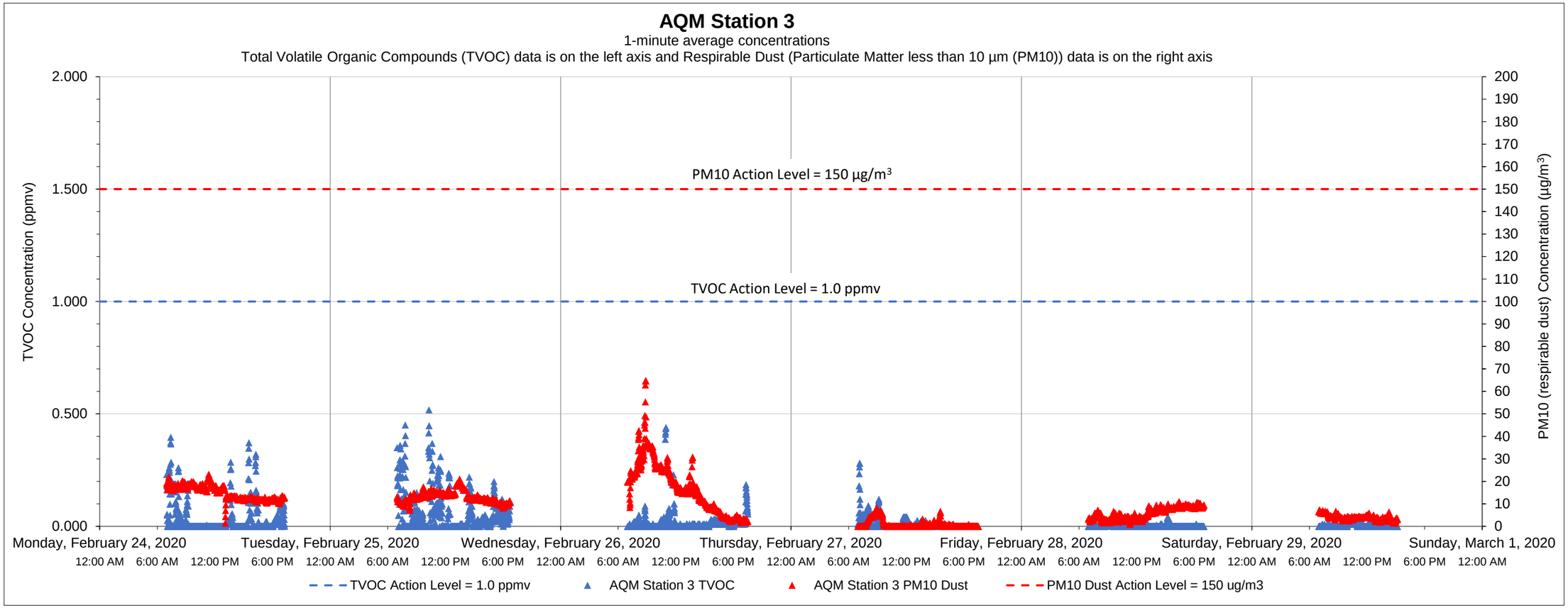

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.52	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.58	µg/m^3
PM10 maximum concentration	64.76	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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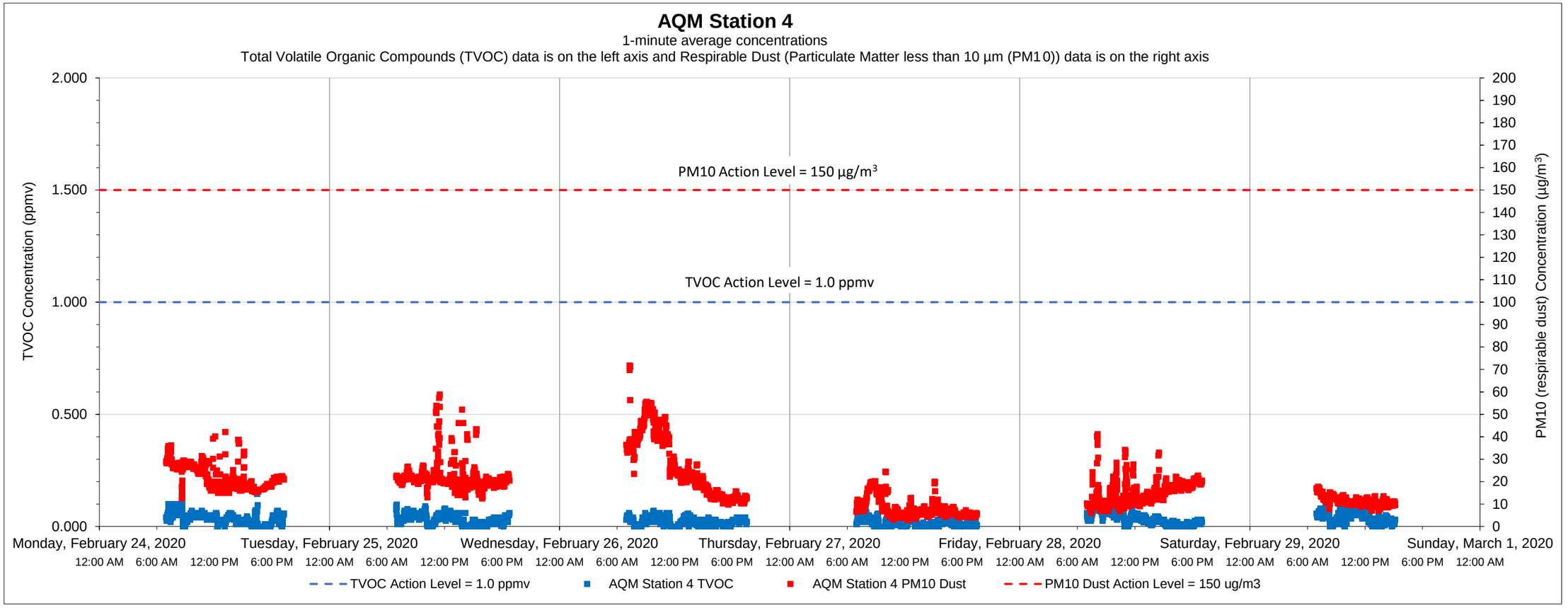

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.16	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.57	µg/m^3
PM10 maximum concentration	71.79	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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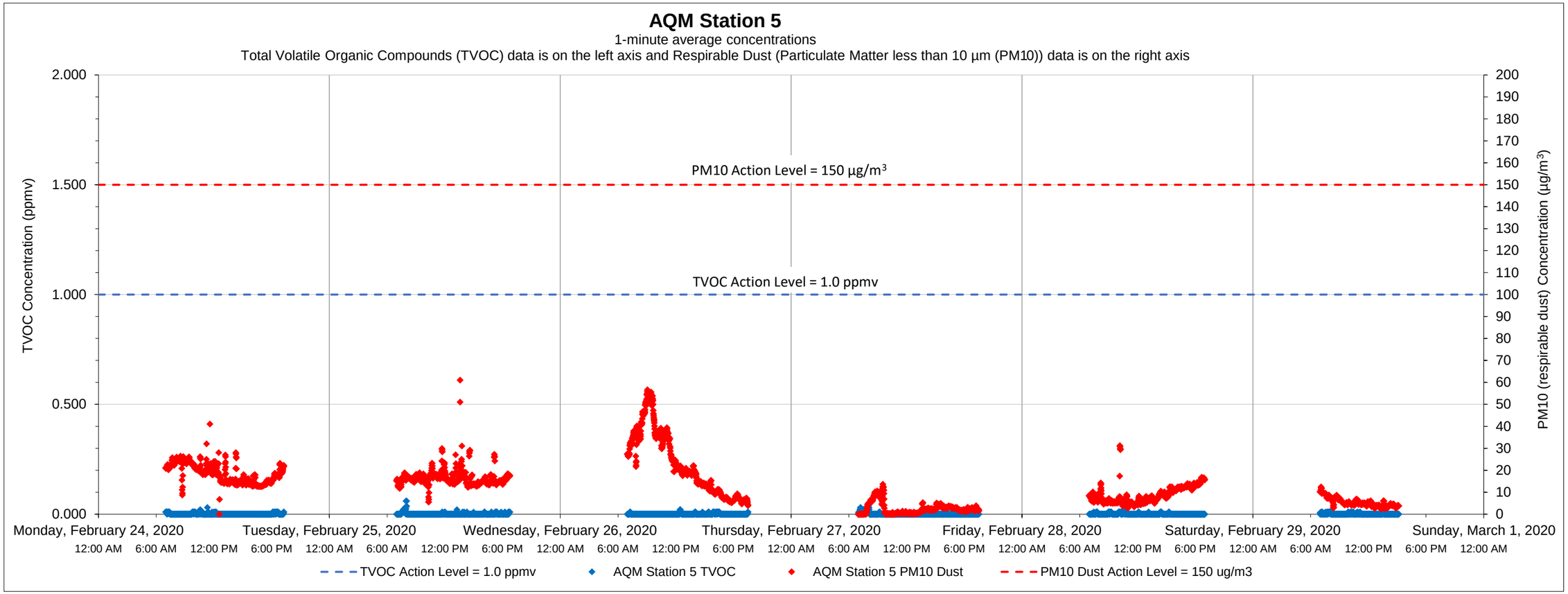

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.06	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.58	µg/m^3
PM10 maximum concentration	61.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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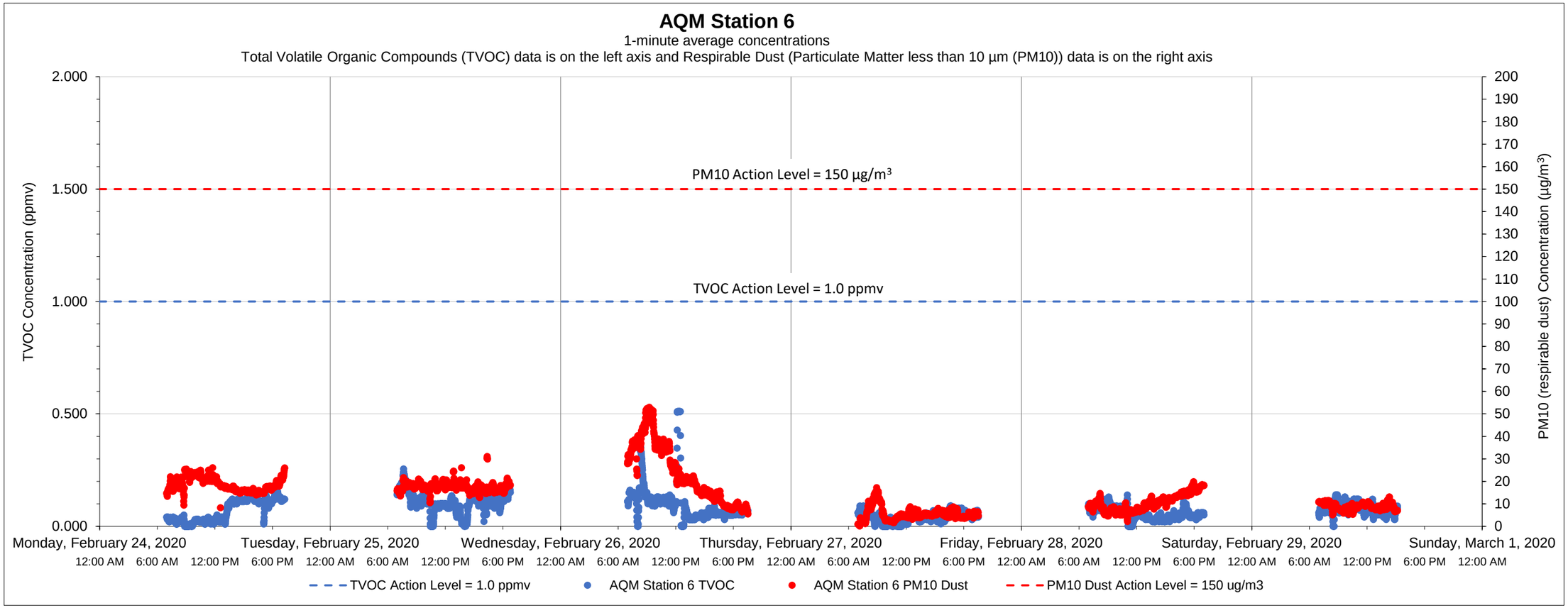

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.51	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.26	µg/m^3
PM10 maximum concentration	52.95	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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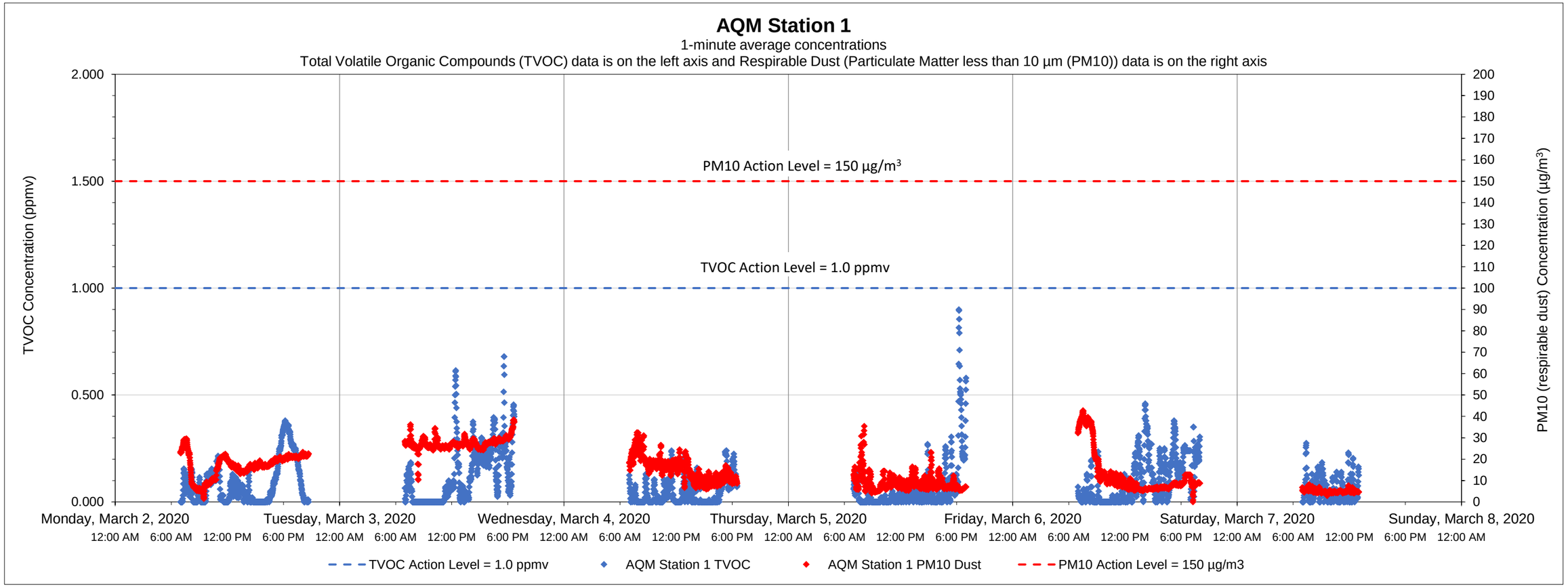

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	0.90	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.15	µg/m^3
PM10 maximum concentration	42.70	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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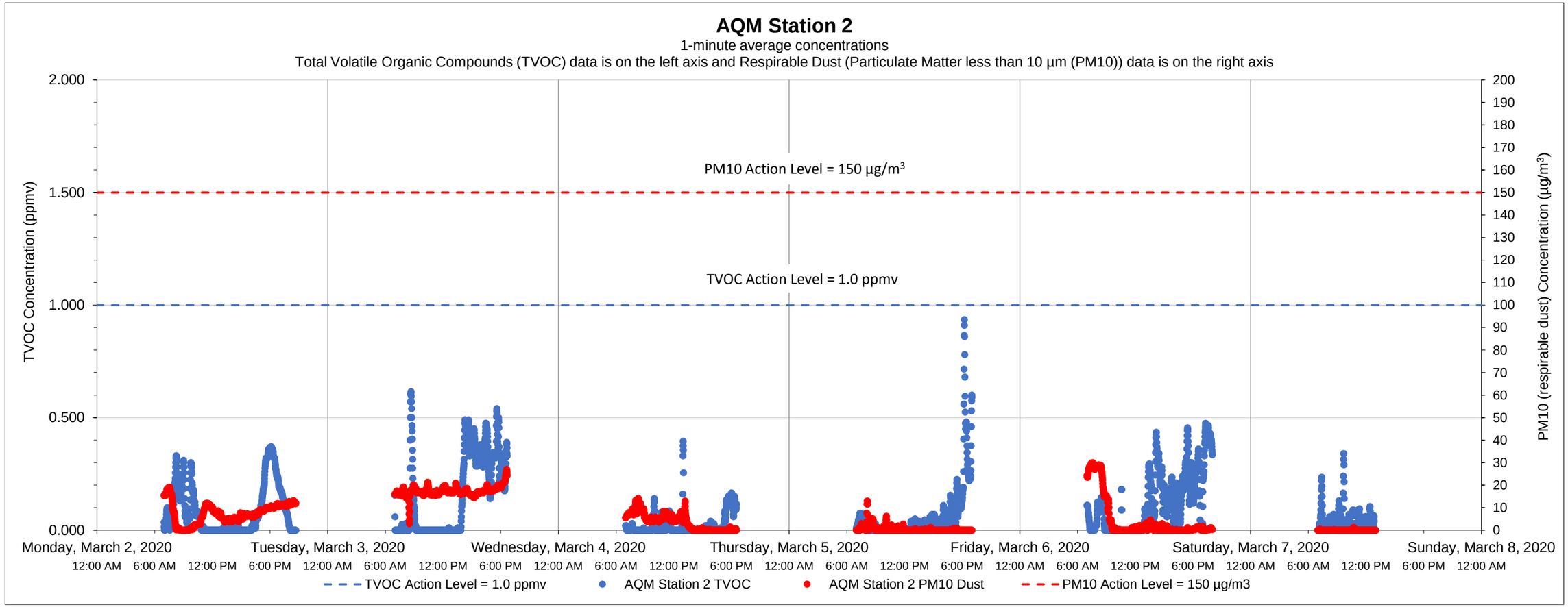

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	0.93	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.06	µg/m^3
PM10 maximum concentration	29.94	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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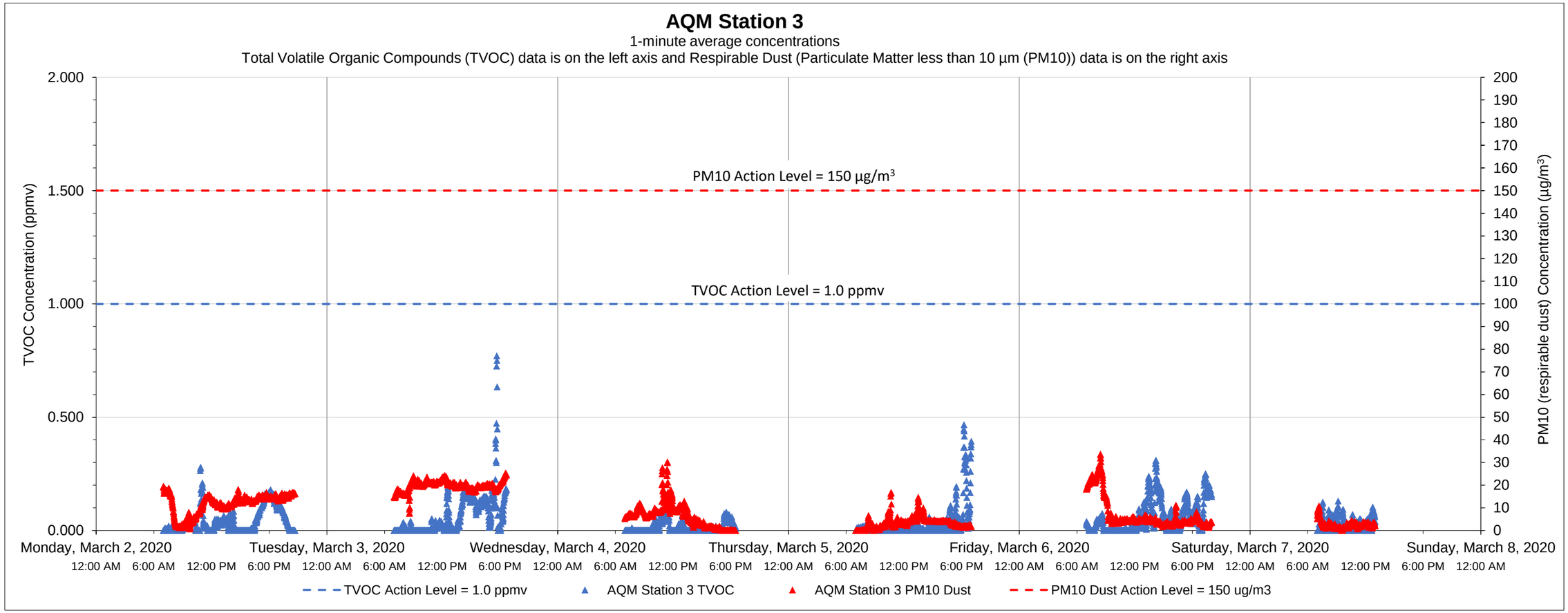

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.77	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.07	µg/m^3
PM10 maximum concentration	33.77	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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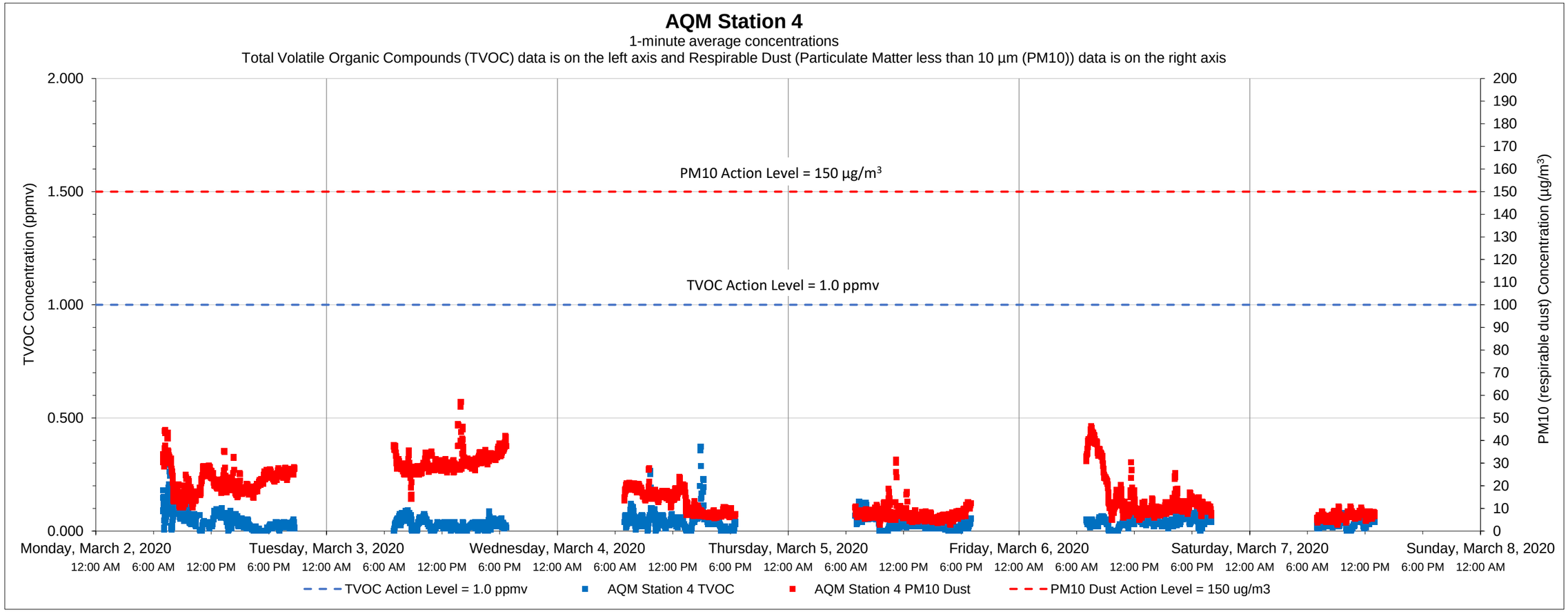

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.37	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.59	µg/m^3
PM10 maximum concentration	56.98	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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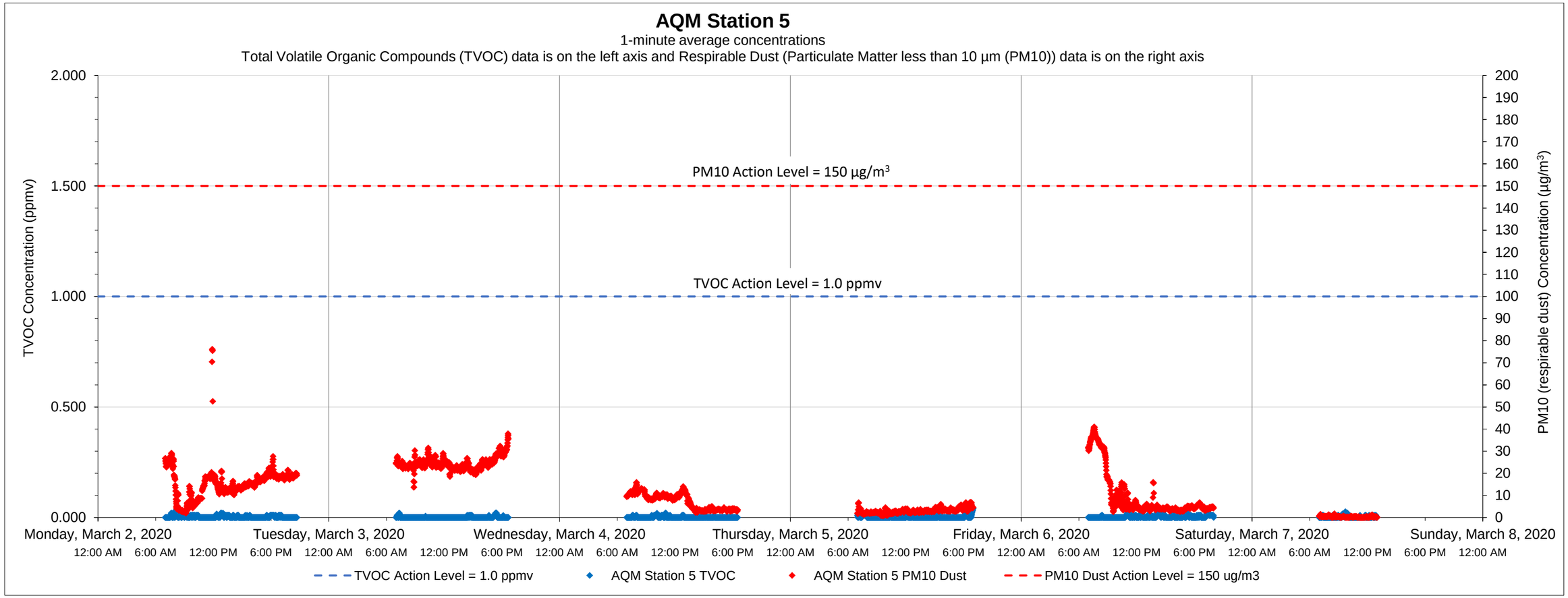

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.04	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.87	µg/m^3
PM10 maximum concentration	76.08	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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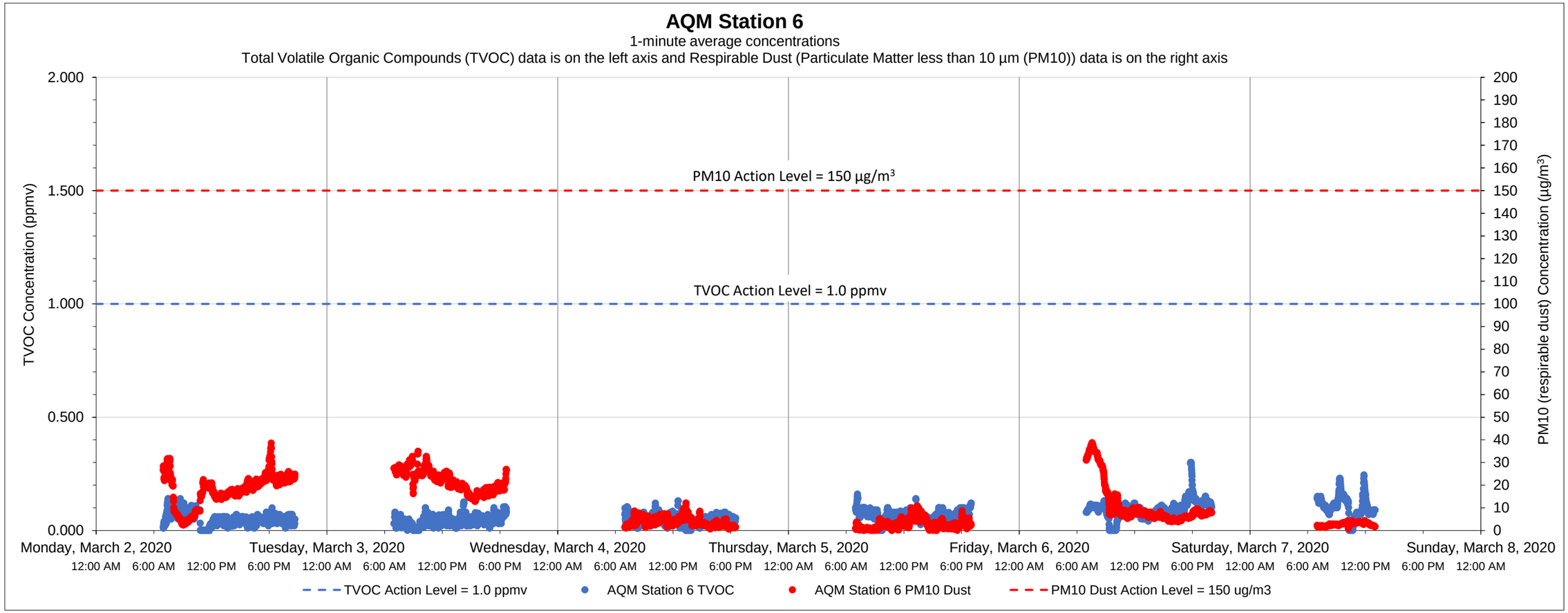

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.79	µg/m^3
PM10 maximum concentration	38.65	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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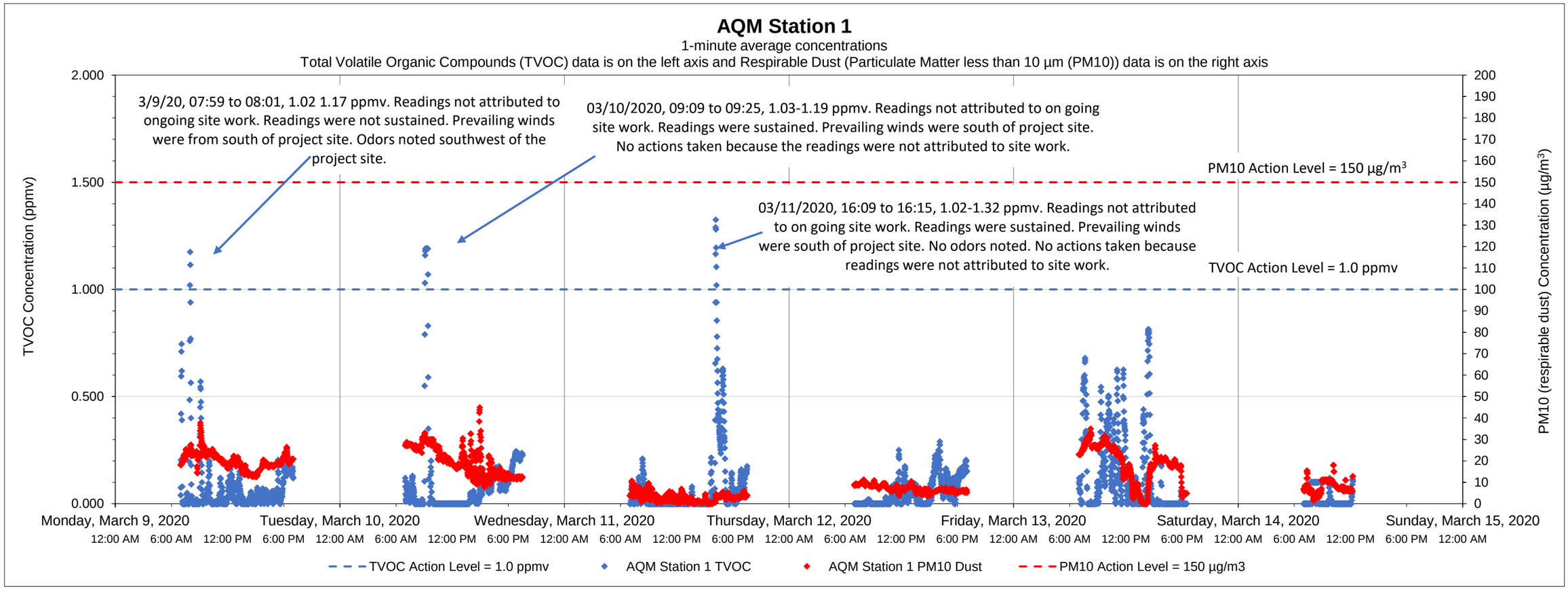

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
3/10/2020	09:09-09:25	TVOC	1.03-1.19 ppmv	No actions taken. Readings not attributed to ongoing site work.
3/11/2020	16:09-16:15	TVOC	1.02-1.32 ppmv	No actions taken. Readings not attributed to ongoing site work.

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	1.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.93	µg/m^3
PM10 maximum concentration	44.92	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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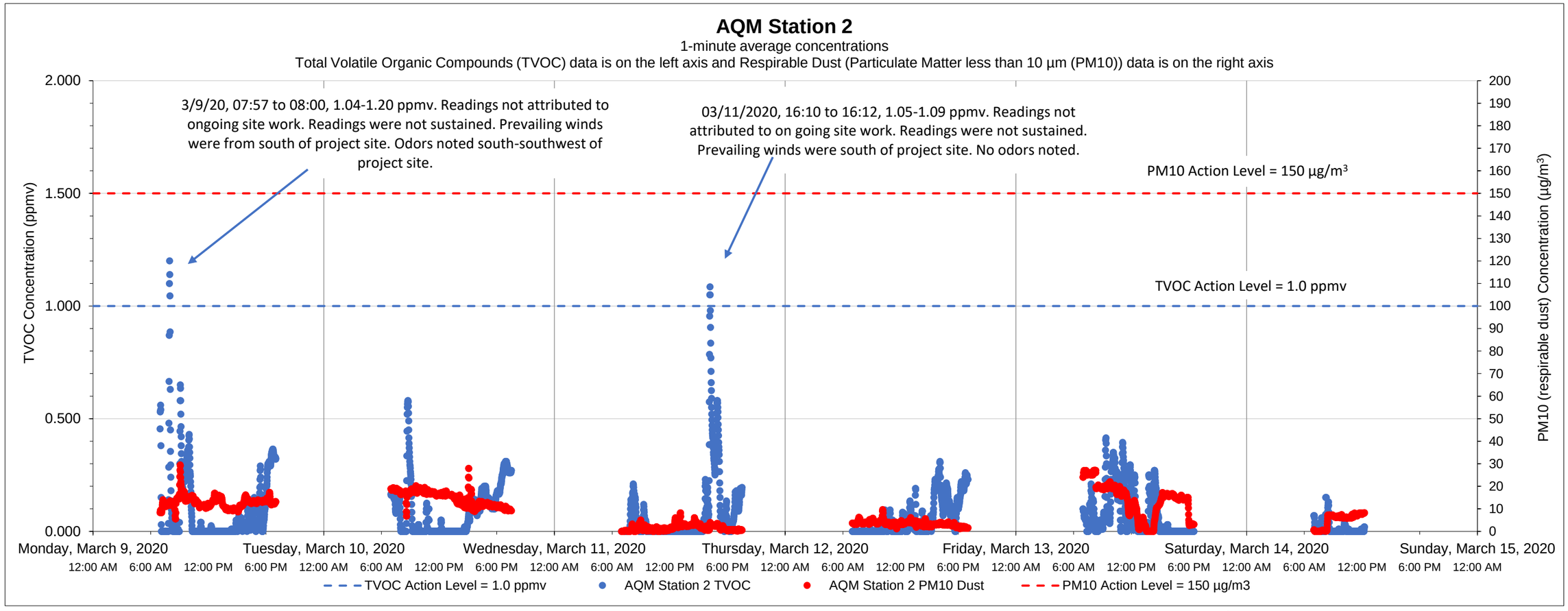
GZA Job No. 03.0033554.04
3/14/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	1.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.89	µg/m^3
PM10 maximum concentration	29.45	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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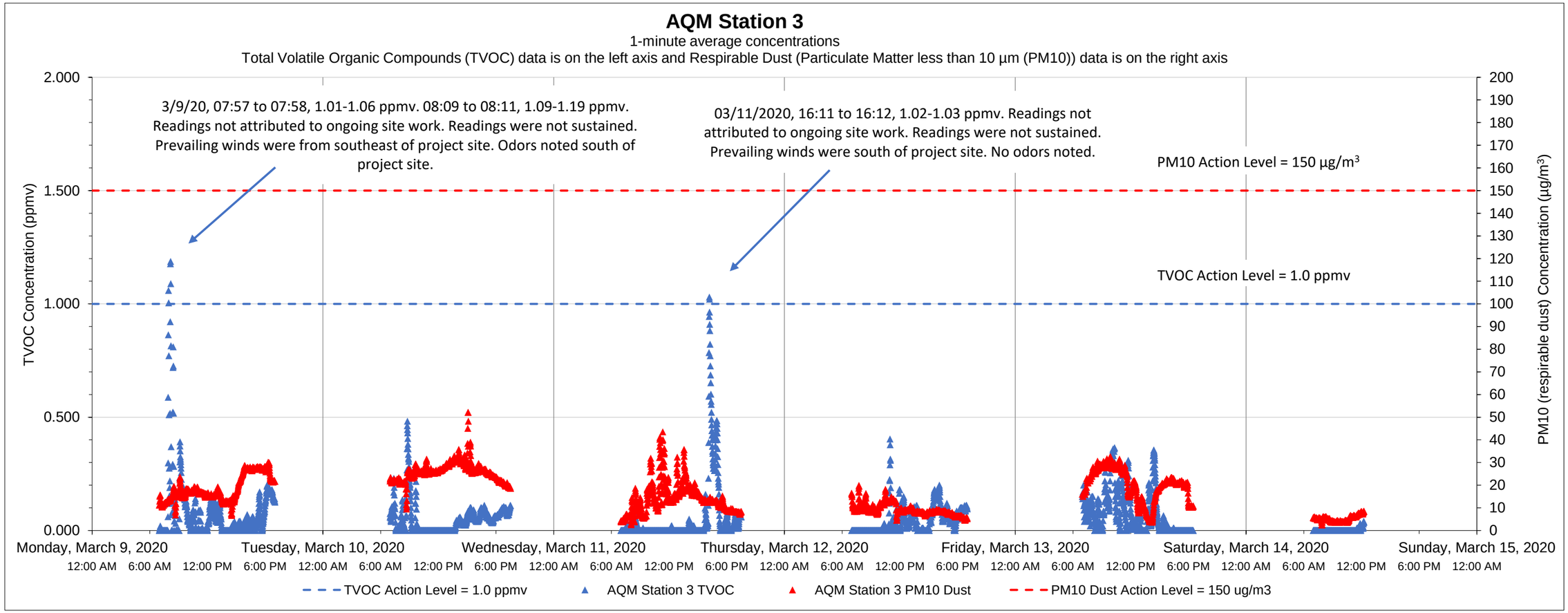
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
3/14/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.59	µg/m^3
PM10 maximum concentration	52.18	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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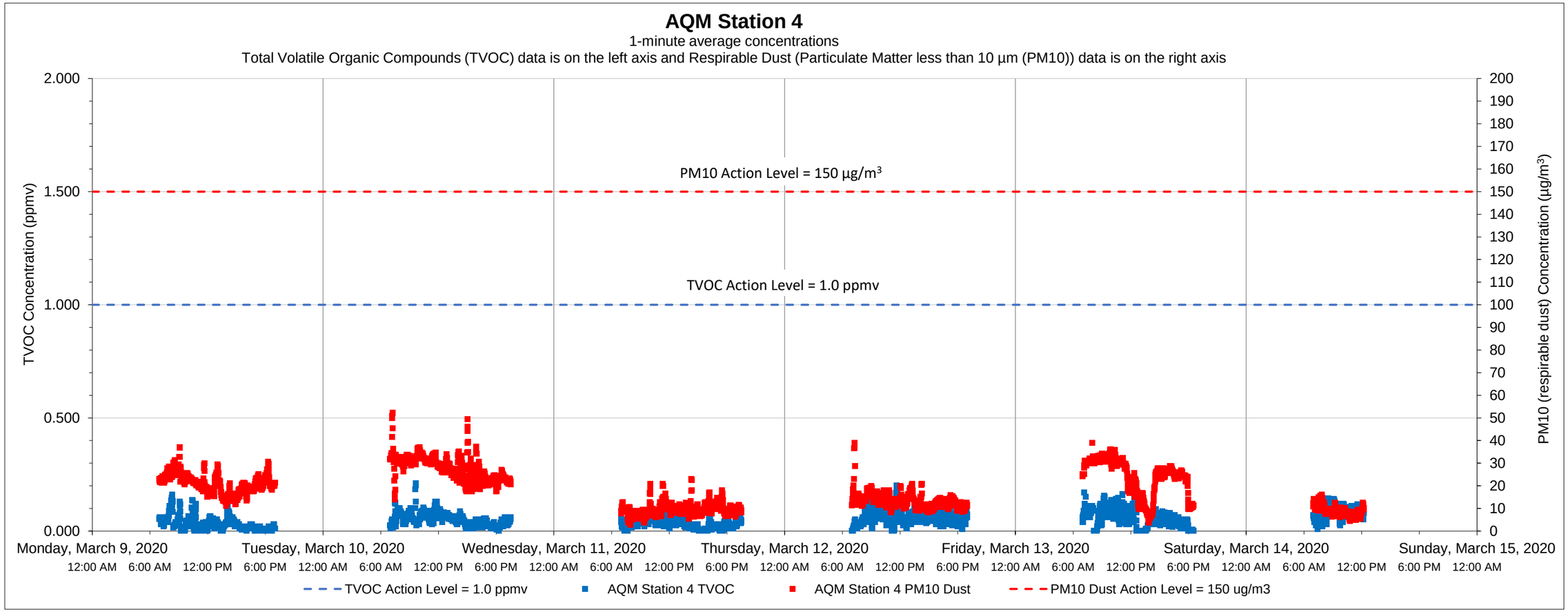

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.21	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.12	µg/m^3
PM10 maximum concentration	52.18	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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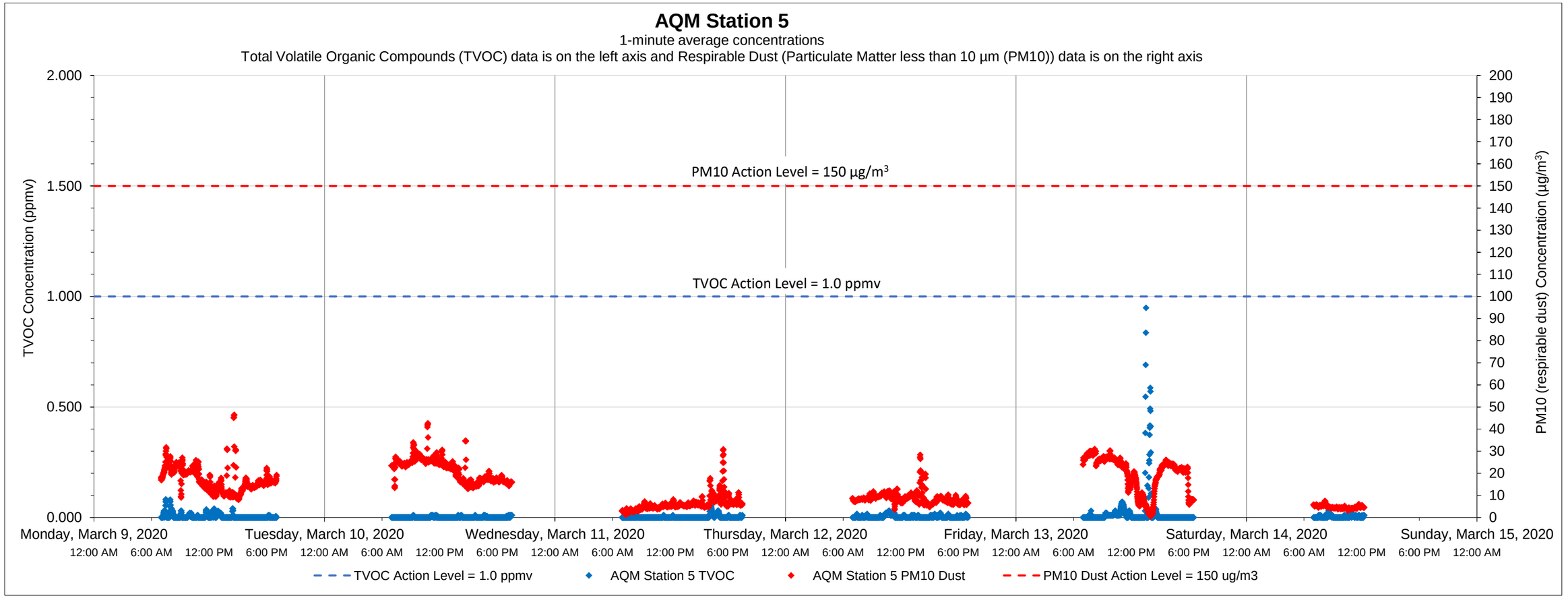

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.95	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.65	µg/m^3
PM10 maximum concentration	46.44	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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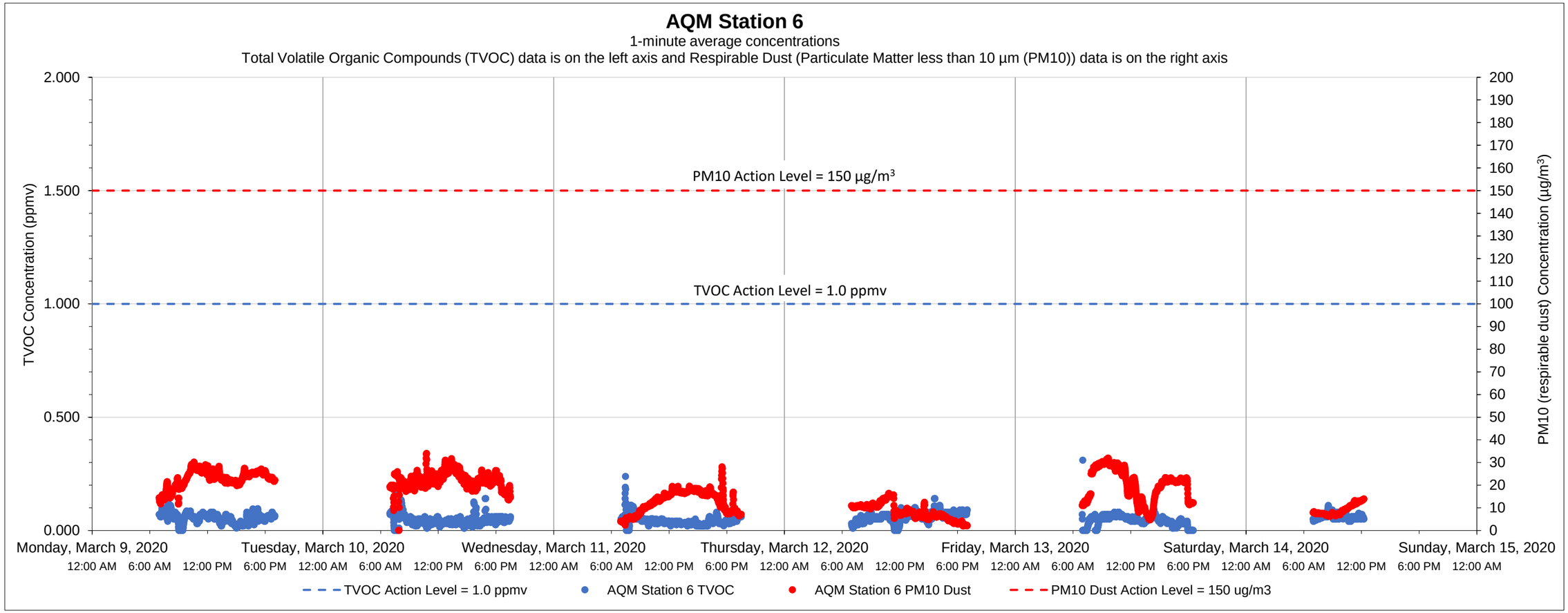

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.47	µg/m^3
PM10 maximum concentration	34.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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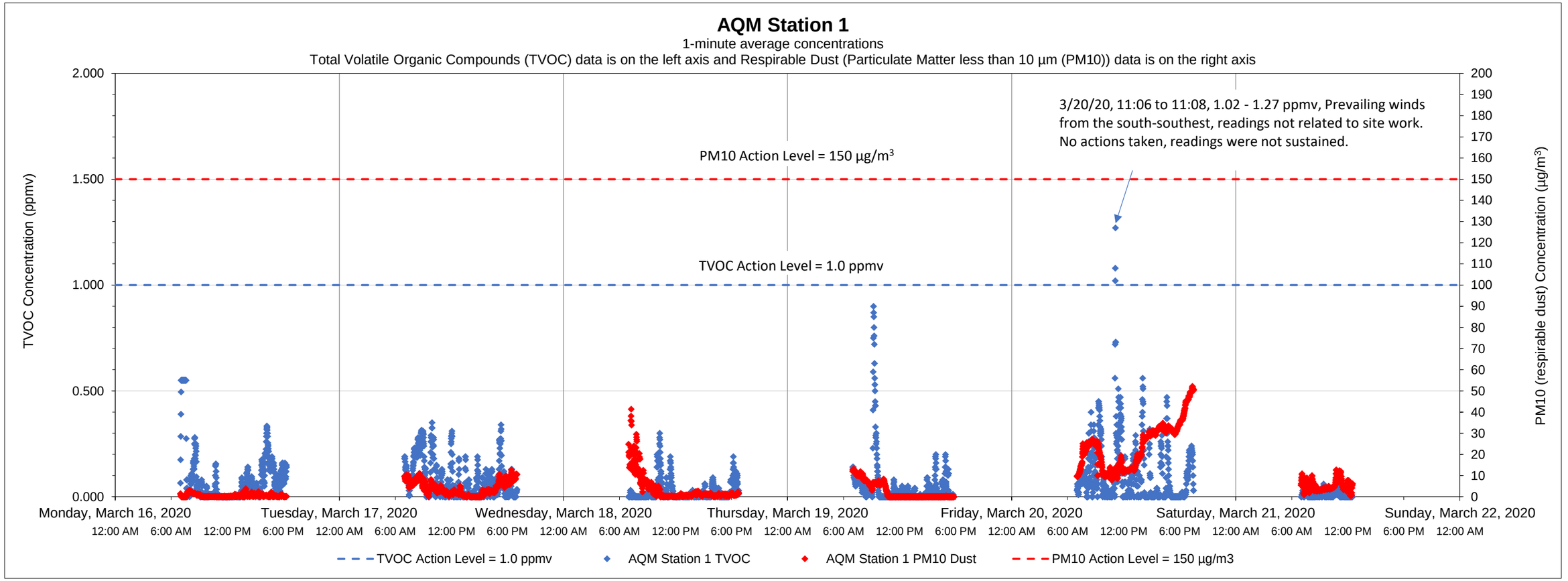
3/21/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.27	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.08	µg/m^3
PM10 maximum concentration	52.19	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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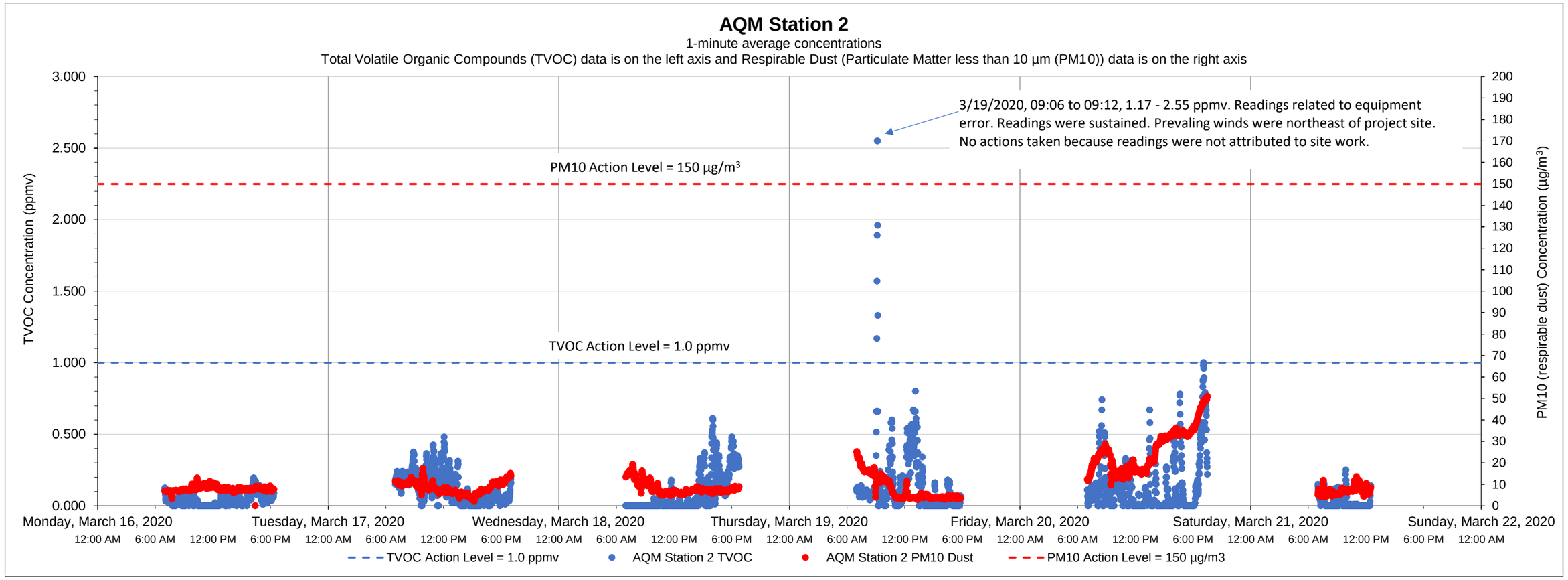

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
3/19/2020	09:06-09:12	TVOC	1.17-2.55 ppmv	No actions taken. Readings not attributed to ongoing site work.

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	2.55	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.48	µg/m^3
PM10 maximum concentration	50.97	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
3/19/2020 - Equipment error caused sustained action level exceedances. A handheld PID was utilized to confirm that the station's readings were innacurate, and the
site was checked for odors. Equipment temporarily removed from service and recalibrated.

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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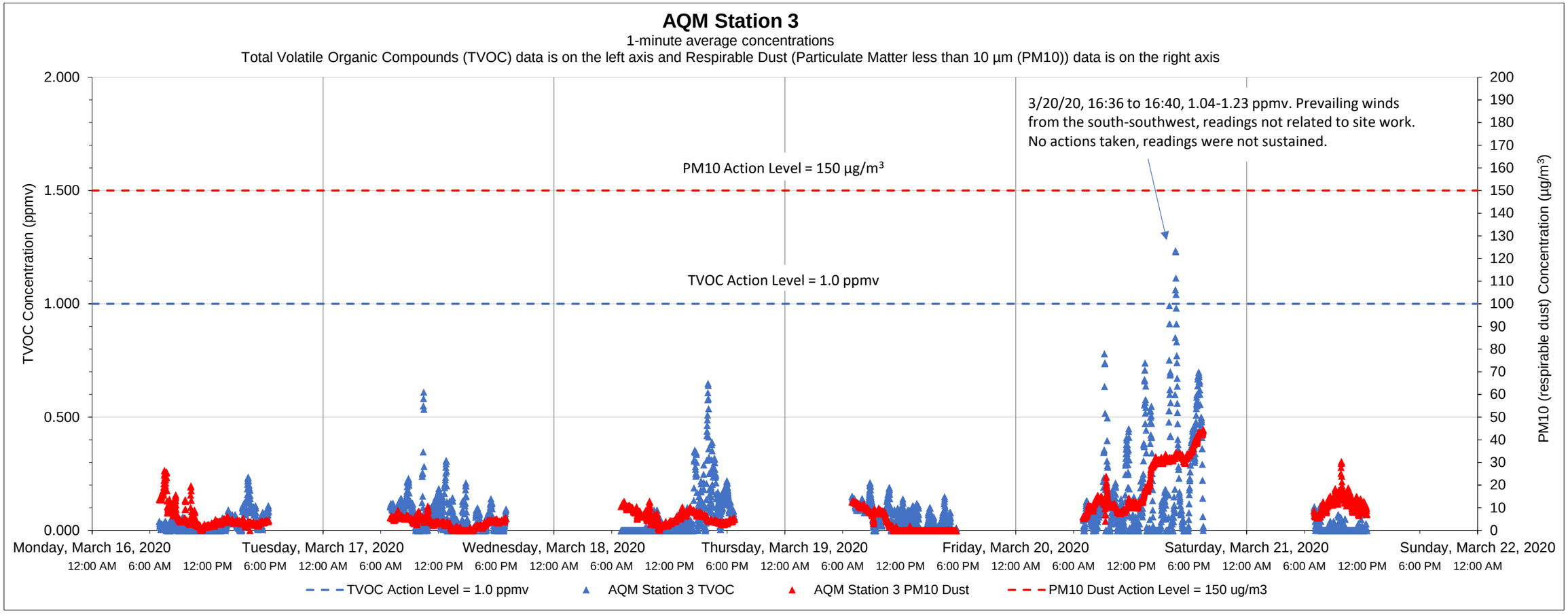

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	1.23	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.57	µg/m^3
PM10 maximum concentration	44.54	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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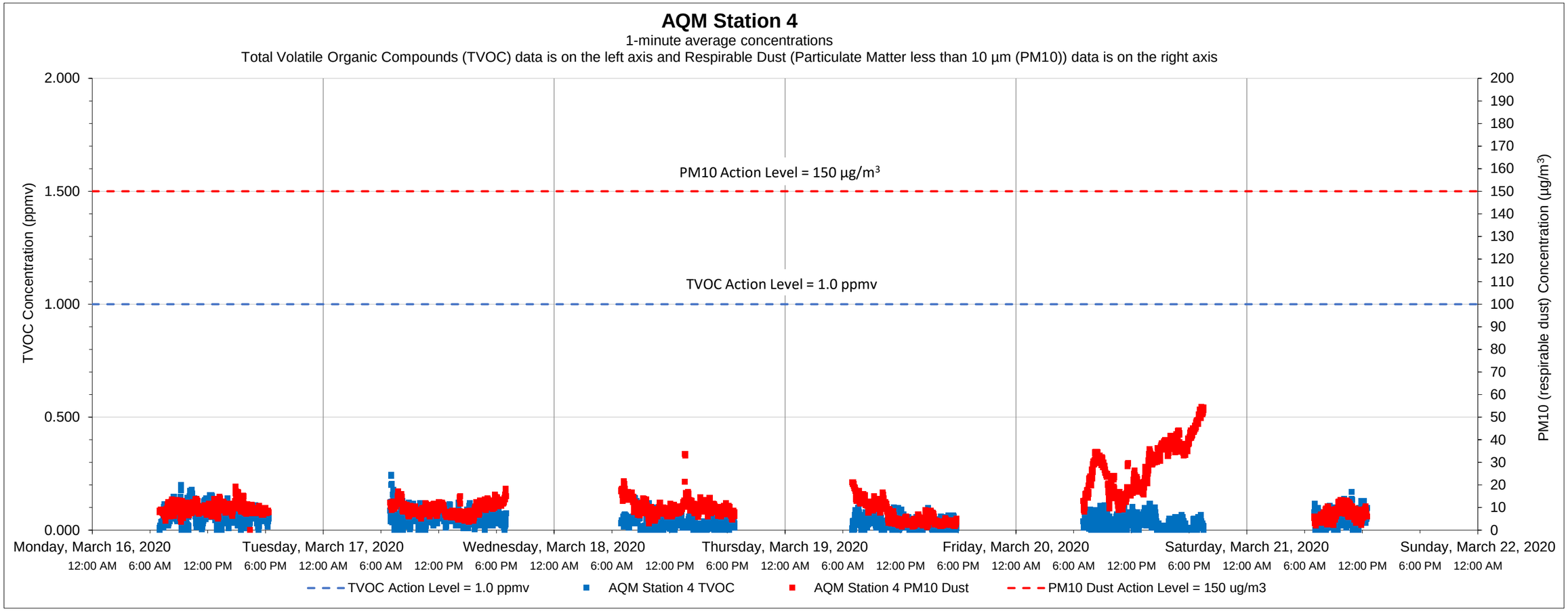

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.85	µg/m^3
PM10 maximum concentration	54.46	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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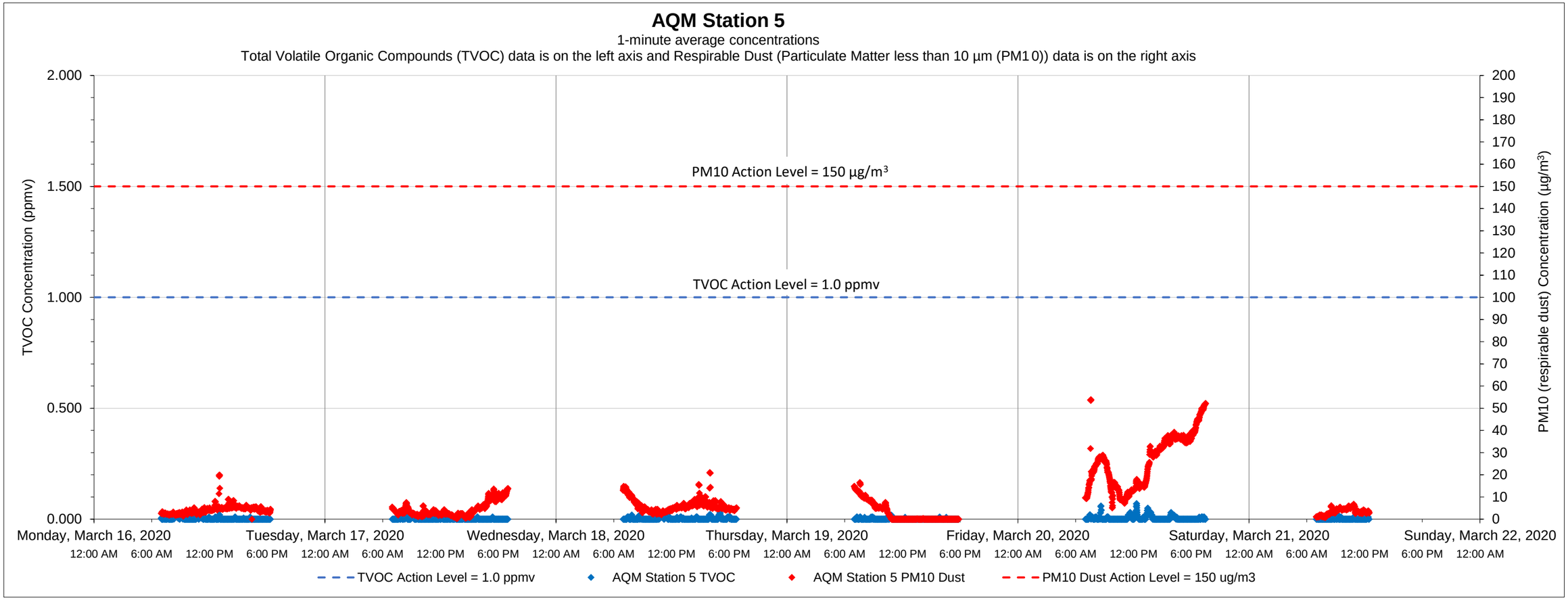

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.07	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.58	µg/m^3
PM10 maximum concentration	53.85	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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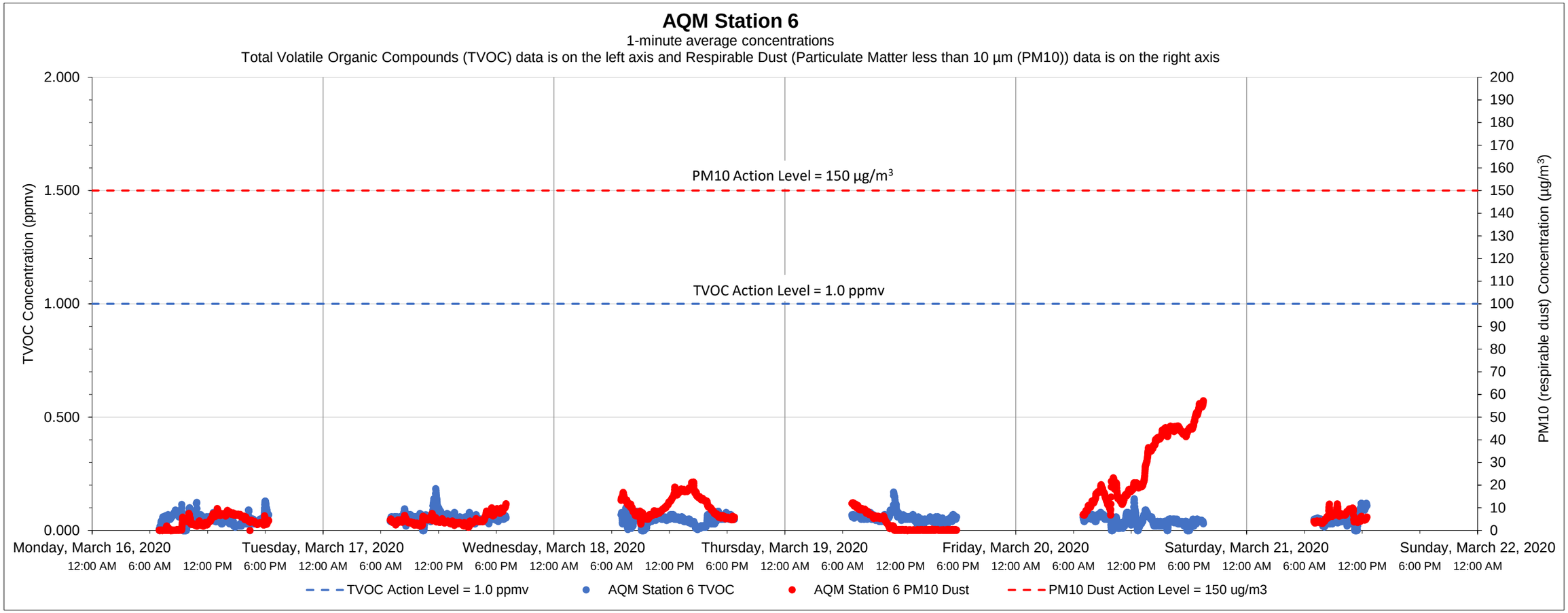

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.32	µg/m^3
PM10 maximum concentration	57.30	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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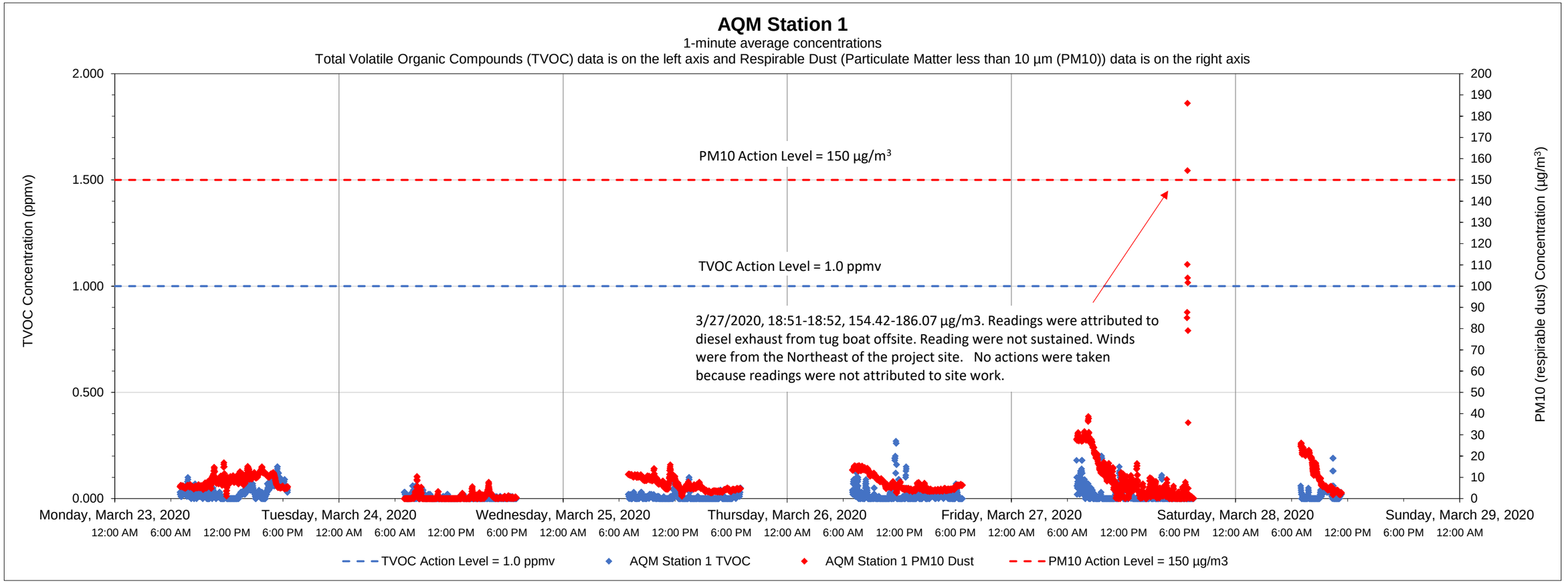

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.27	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.80	µg/m^3
PM10 maximum concentration	186.07	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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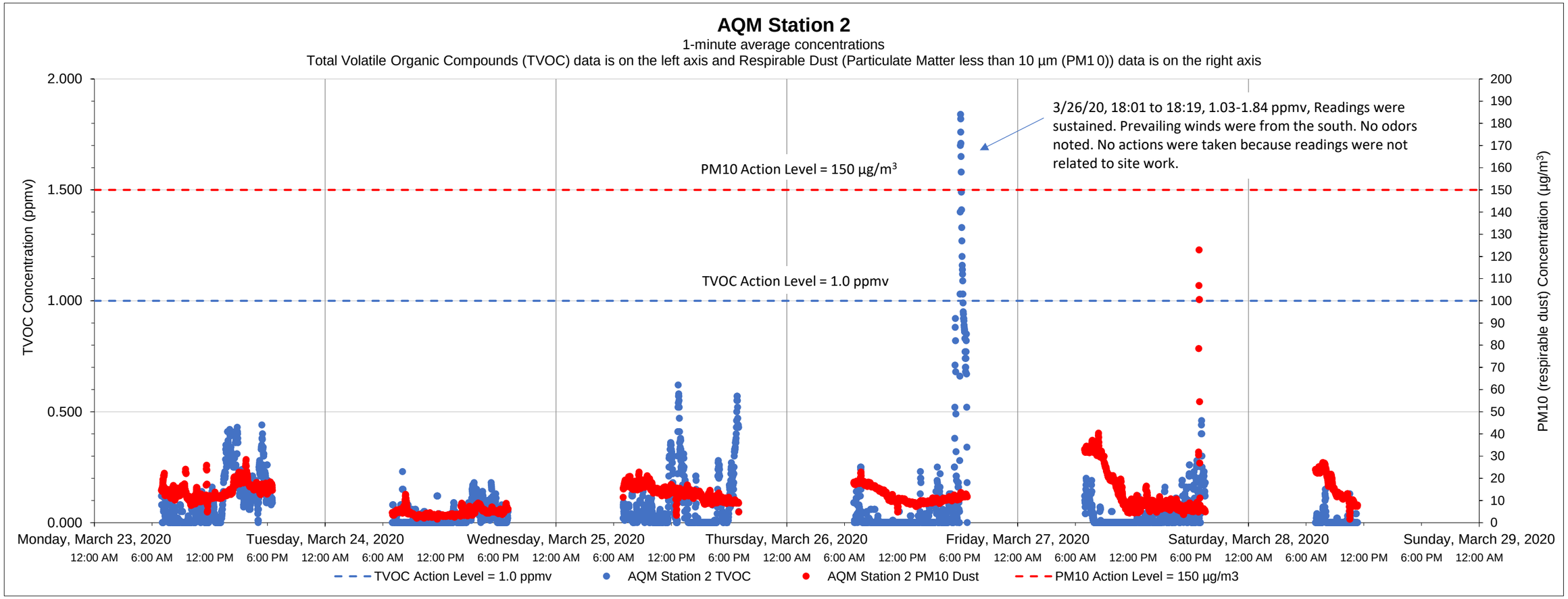

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
3/26/2020	18:01-18:19	TVOC	1.03-1.84 ppmv	No actions were taken. Readings were not related to site work.

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	1.84	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.91	µg/m^3
PM10 maximum concentration	122.93	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes

Notes:

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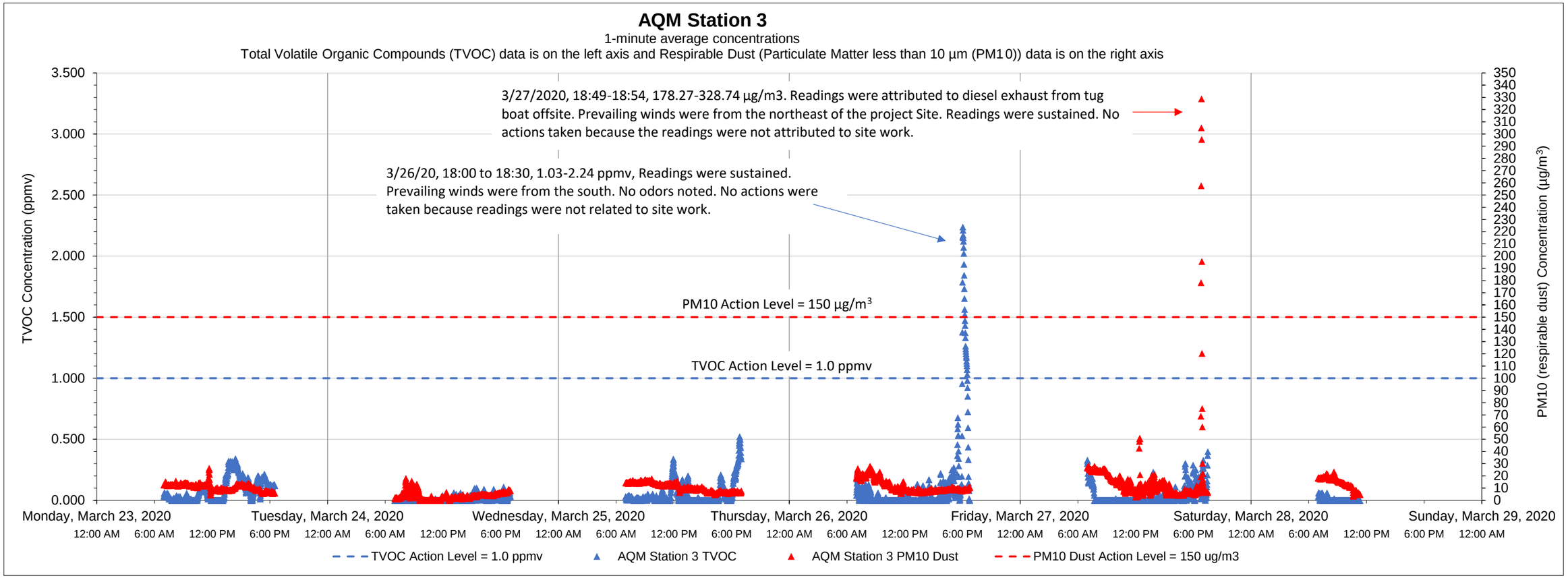

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
3/26/2020	18:00-18:30	TVOC	1.03-2.24 ppmv	No actions were taken. Readings were not related to site work
3/27/2020	18:49-18:54	Dust	178.27-328.74 µg/m3	No actions were taken. Readings were not related to site work

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	2.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.69	µg/m^3
PM10 maximum concentration	328.74	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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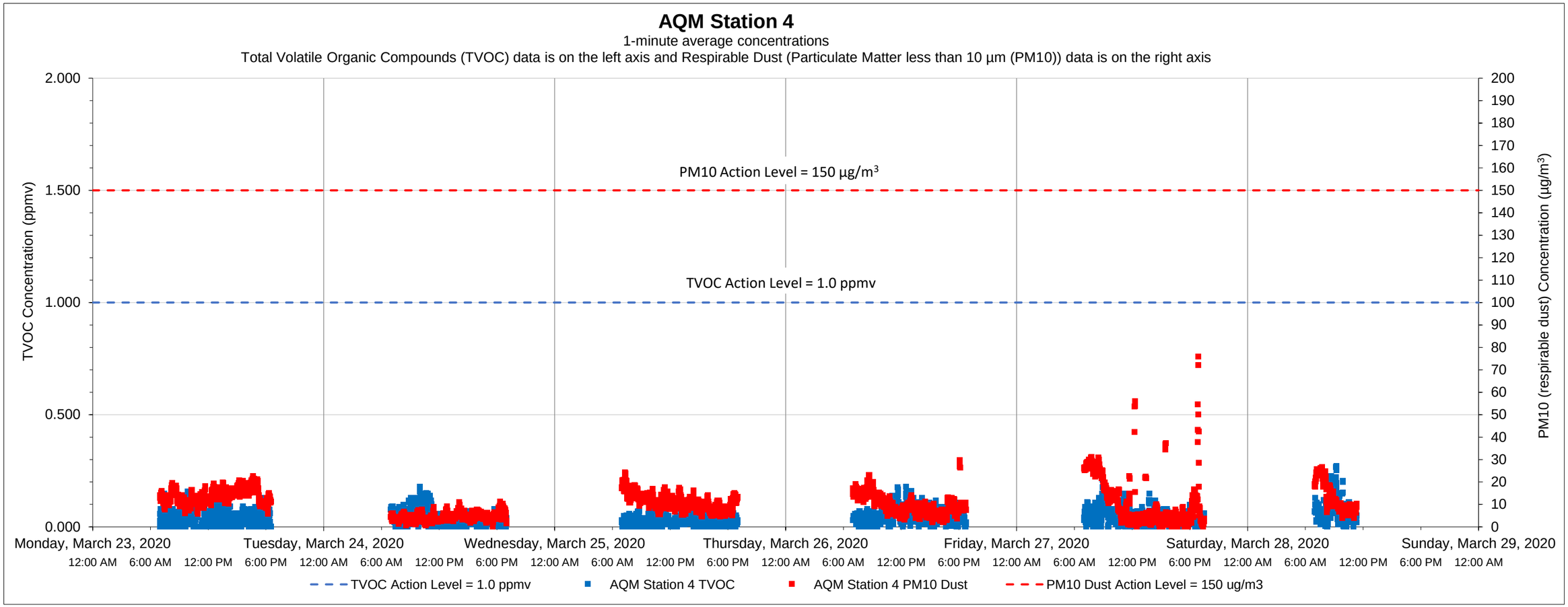

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.27	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.06	µg/m^3
PM10 maximum concentration	75.87	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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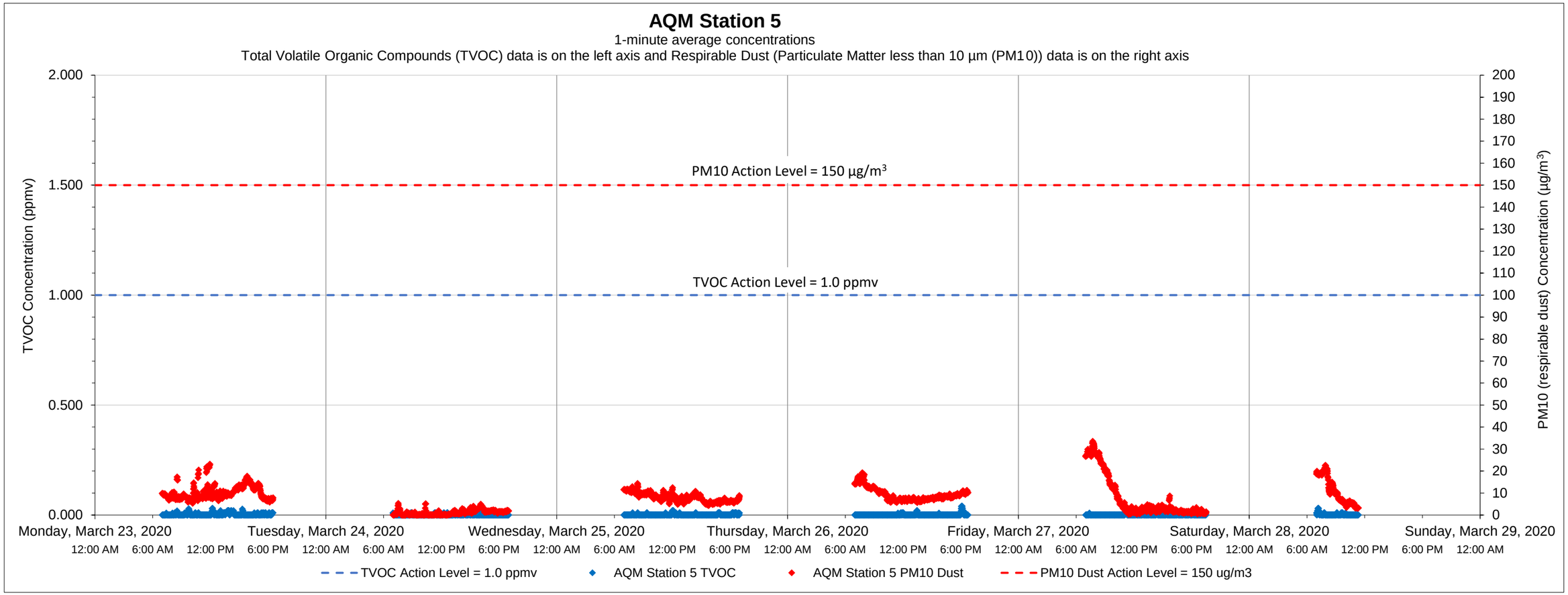

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.04	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.36	µg/m^3
PM10 maximum concentration	33.54	µg/m^3
PM10 action level	150	µg/m^3

Notes:
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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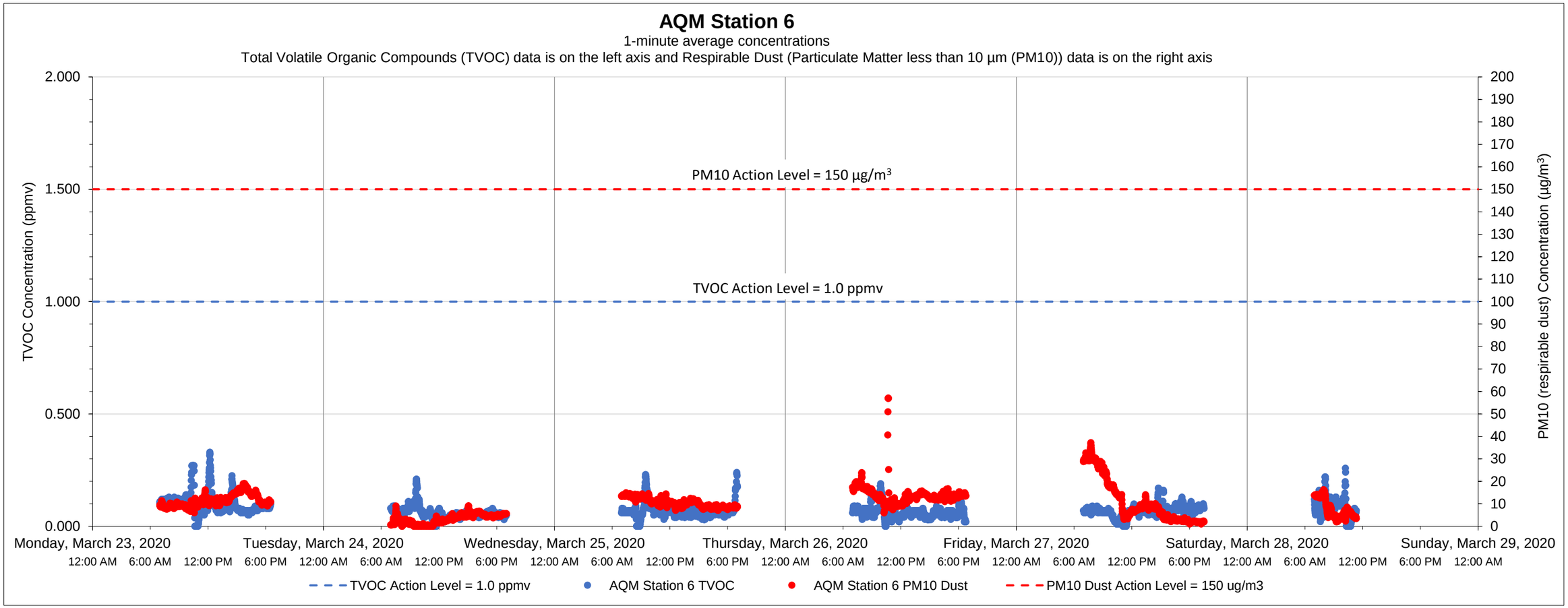

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.33	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.77	µg/m^3
PM10 maximum concentration	57.05	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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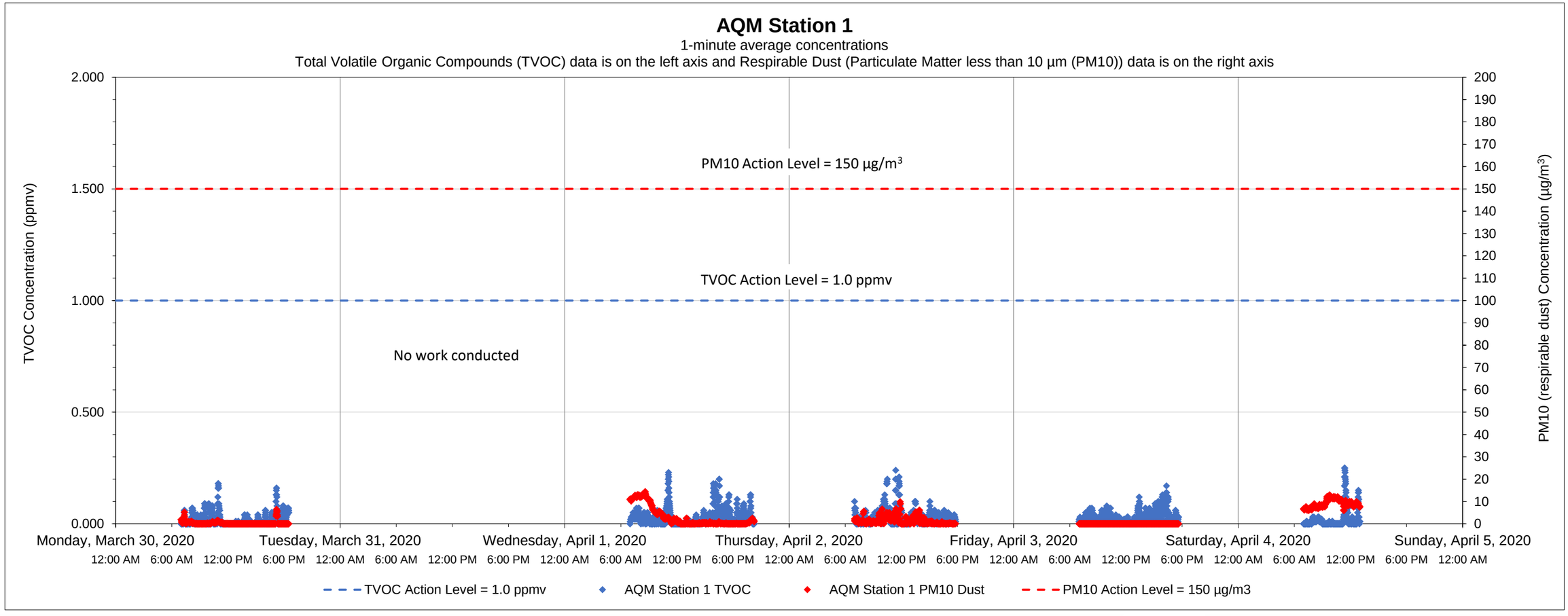
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

GZA Job No. 03.0033554.04
4/04/2020



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.13	µg/m^3
PM10 maximum concentration	14.44	µg/m^3
PM10 action level	150	µg/m^3

Notes:
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GZA Job No. 03.0033554.04
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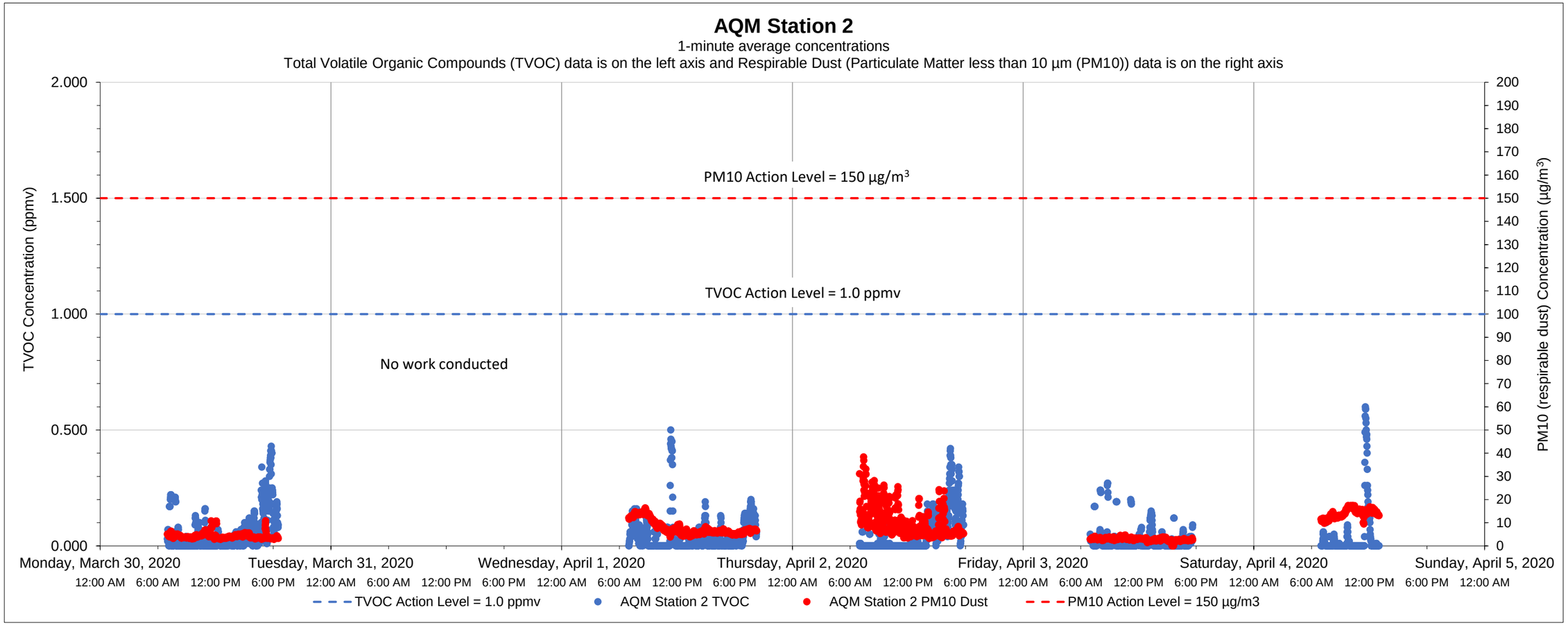

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed

Equipment Notes

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.60	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.08	µg/m^3
PM10 maximum concentration	38.33	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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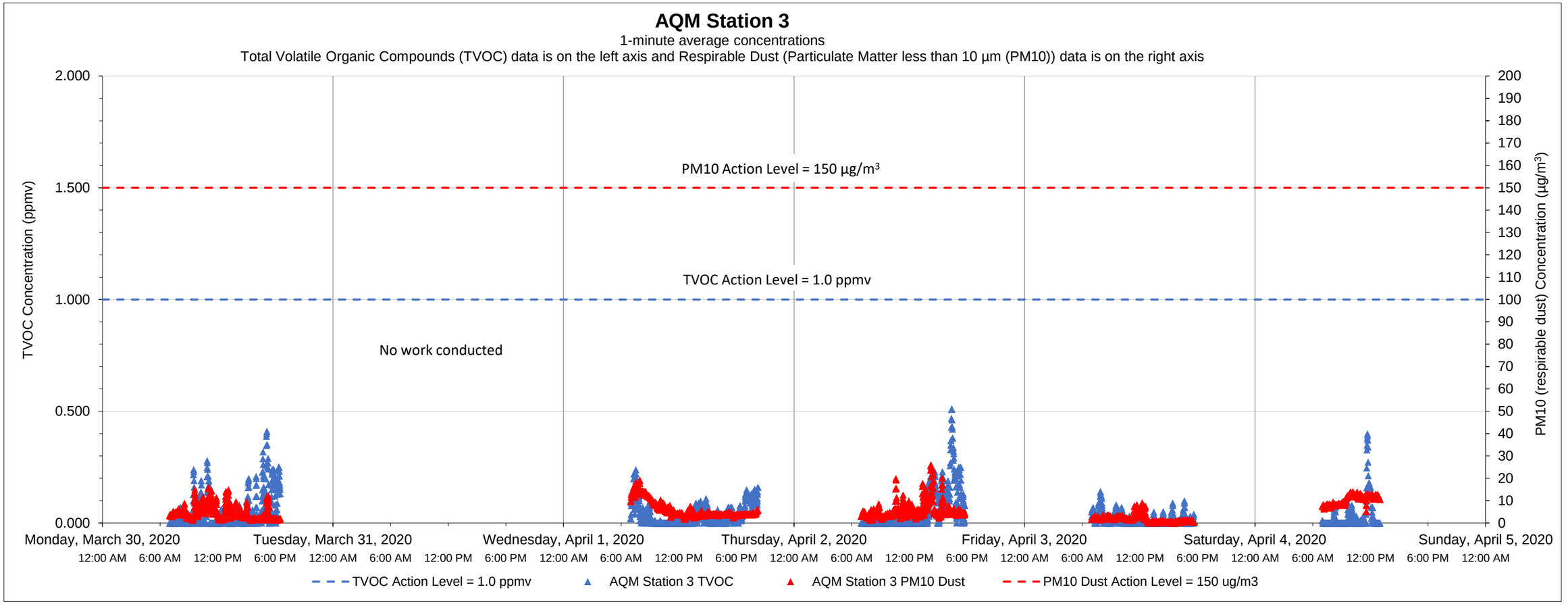

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.51	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.32	µg/m^3
PM10 maximum concentration	26.03	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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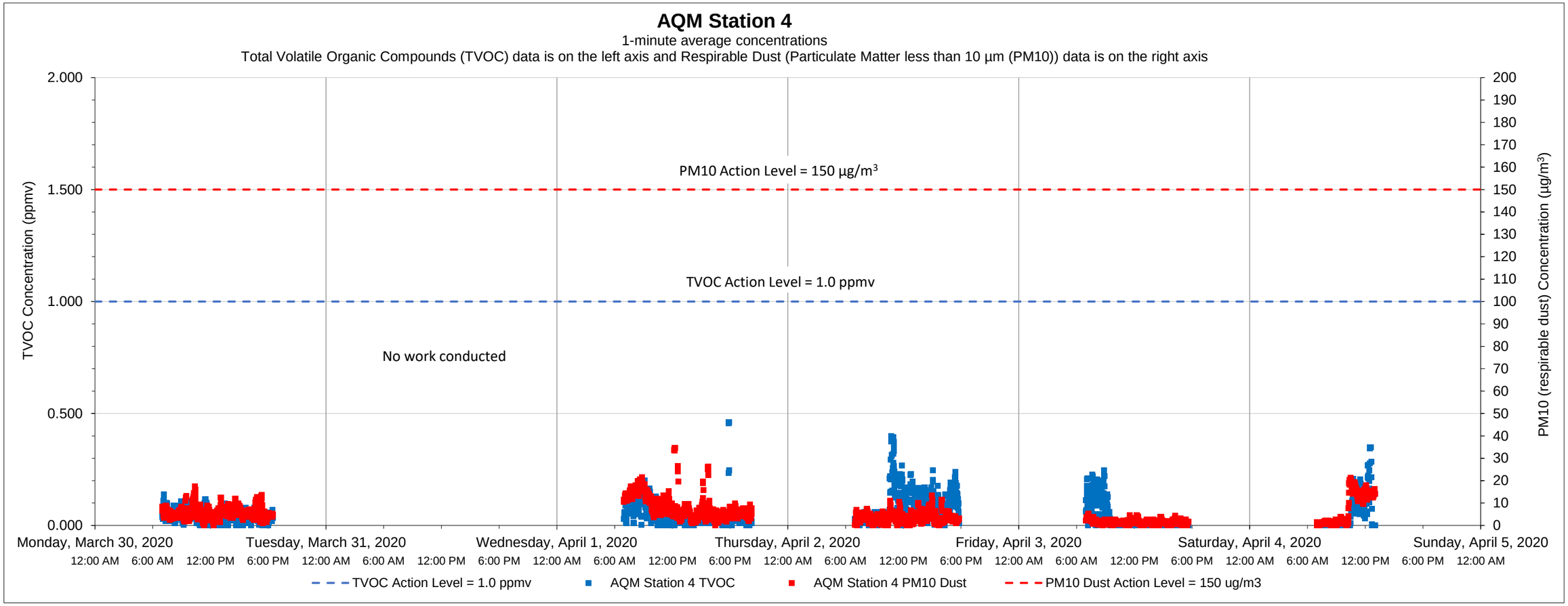

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.24	µg/m^3
PM10 maximum concentration	34.74	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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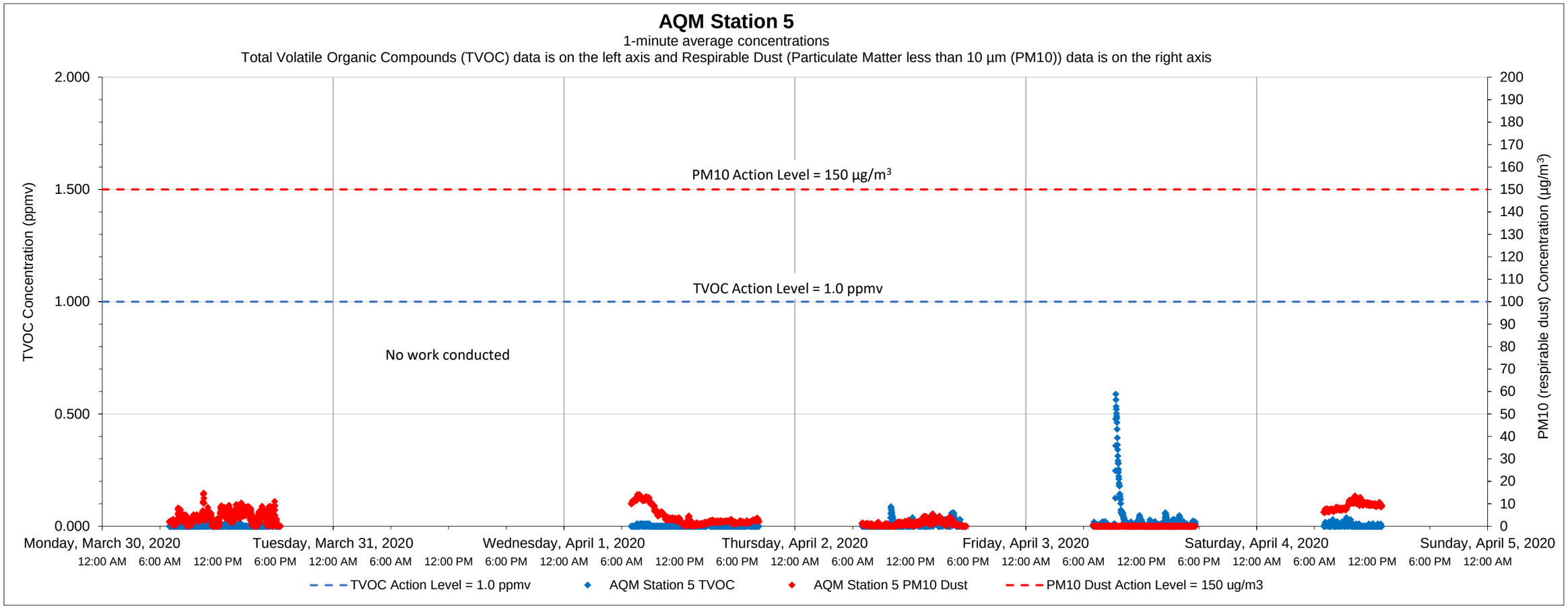

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.59	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.27	µg/m^3
PM10 maximum concentration	14.77	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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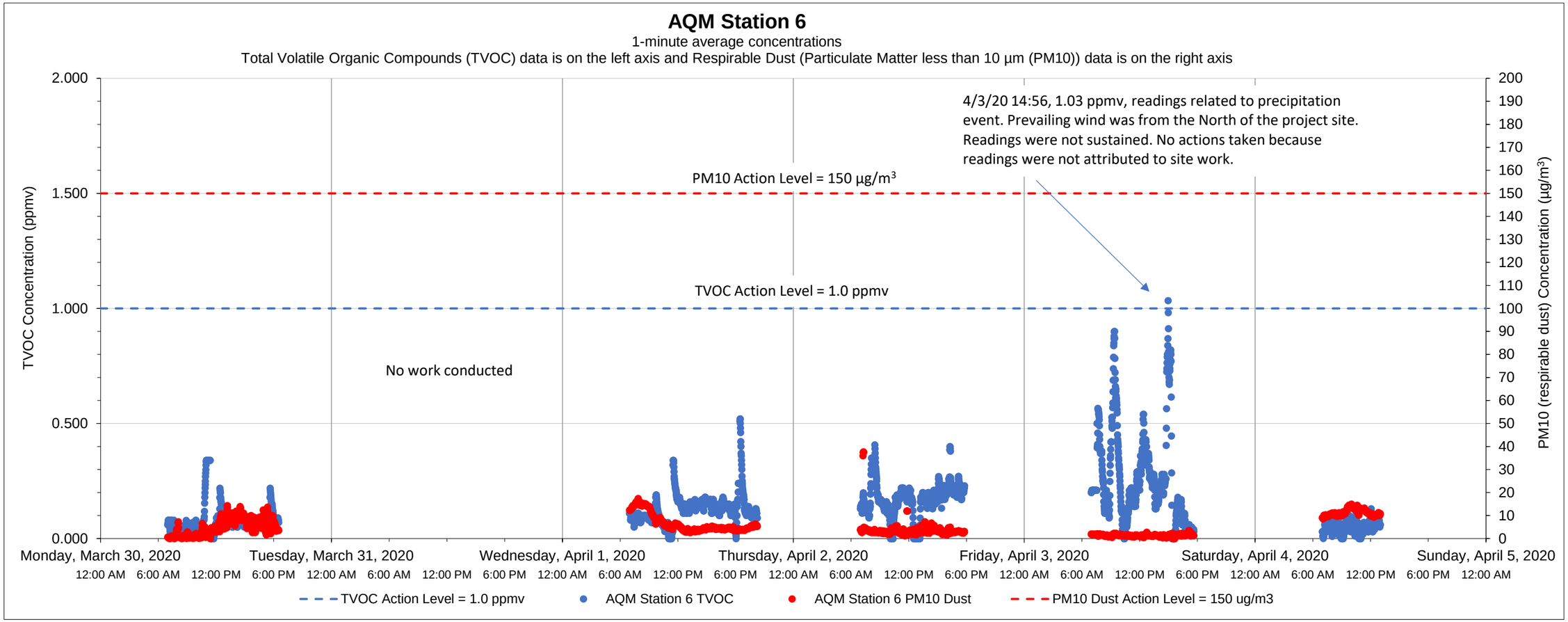

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.14	ppm
TVOCs maximum concentration	1.03	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.07	µg/m³
PM10 maximum concentration	37.66	µg/m³
PM10 action level	150	µg/m³

Notes:

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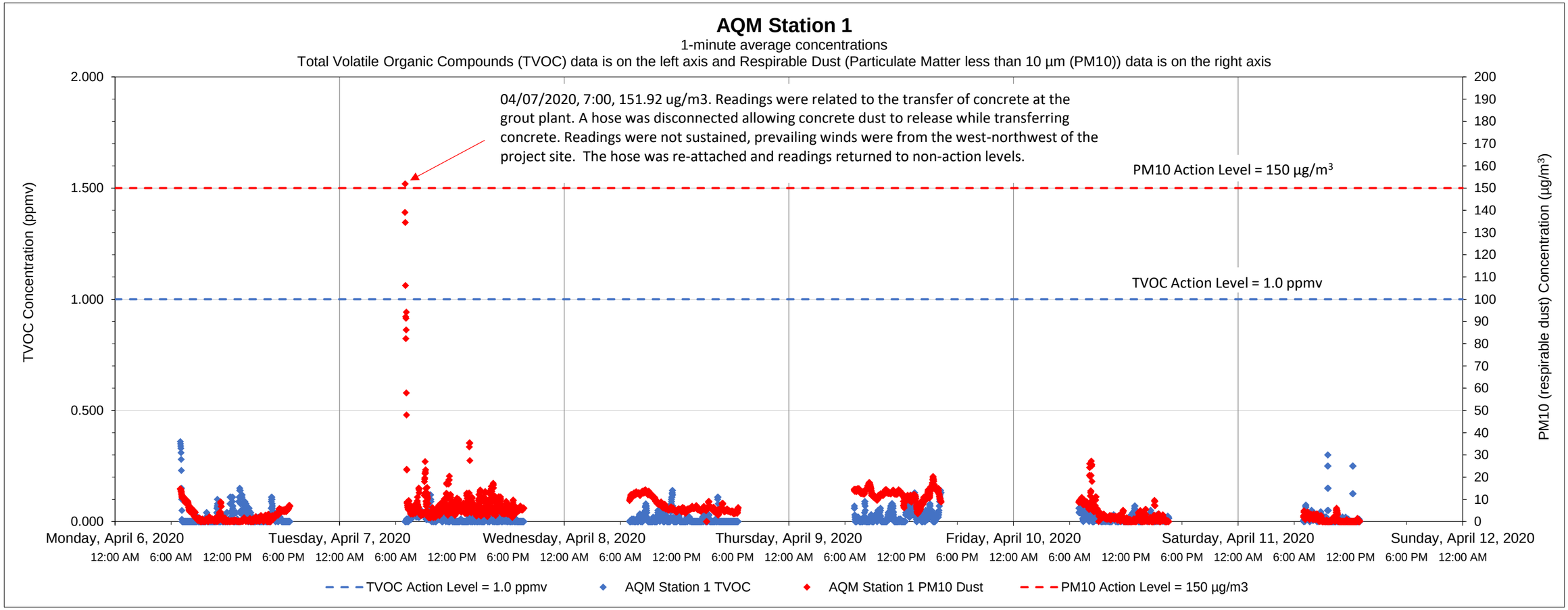

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.36	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.94	µg/m^3
PM10 maximum concentration	151.92	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:
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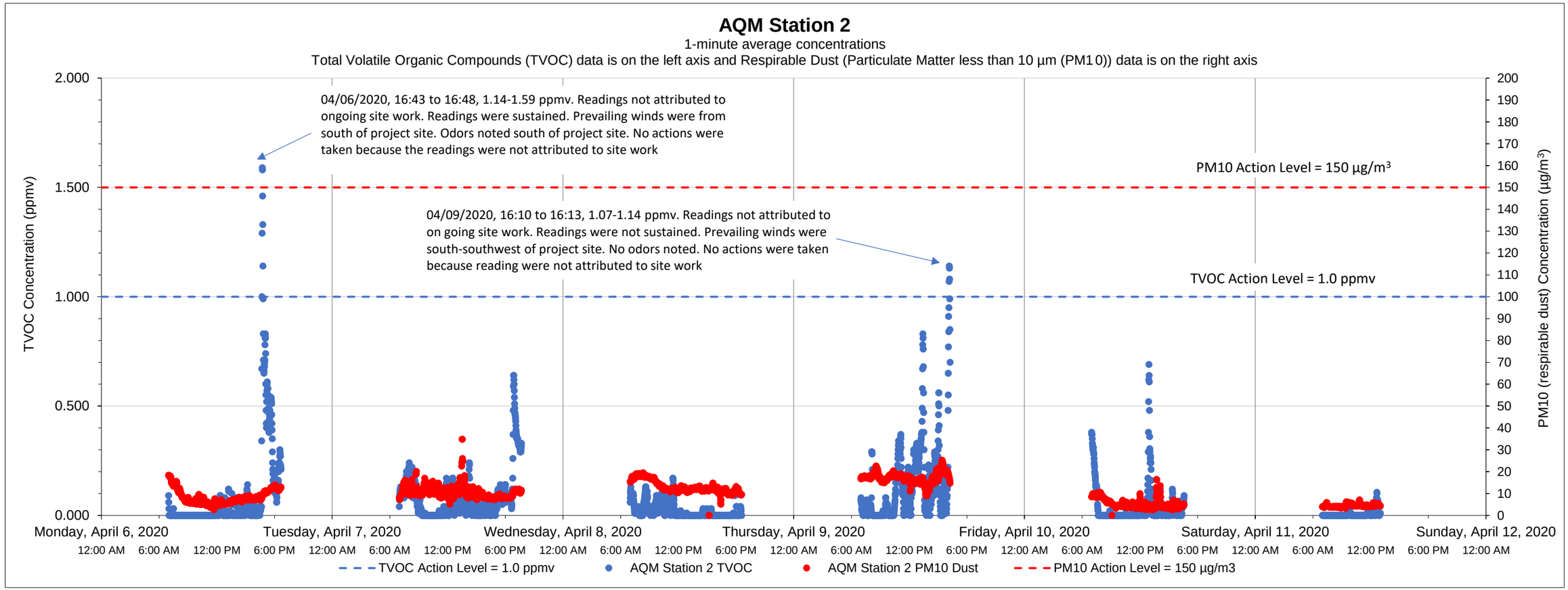

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
4/6/2020	16:43-16:48	TVOC	1.14-1.59 ppmv	No actions were taken. Readings were not attributed to site work

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.59	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.13	µg/m^3
PM10 maximum concentration	34.82	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes

Notes:

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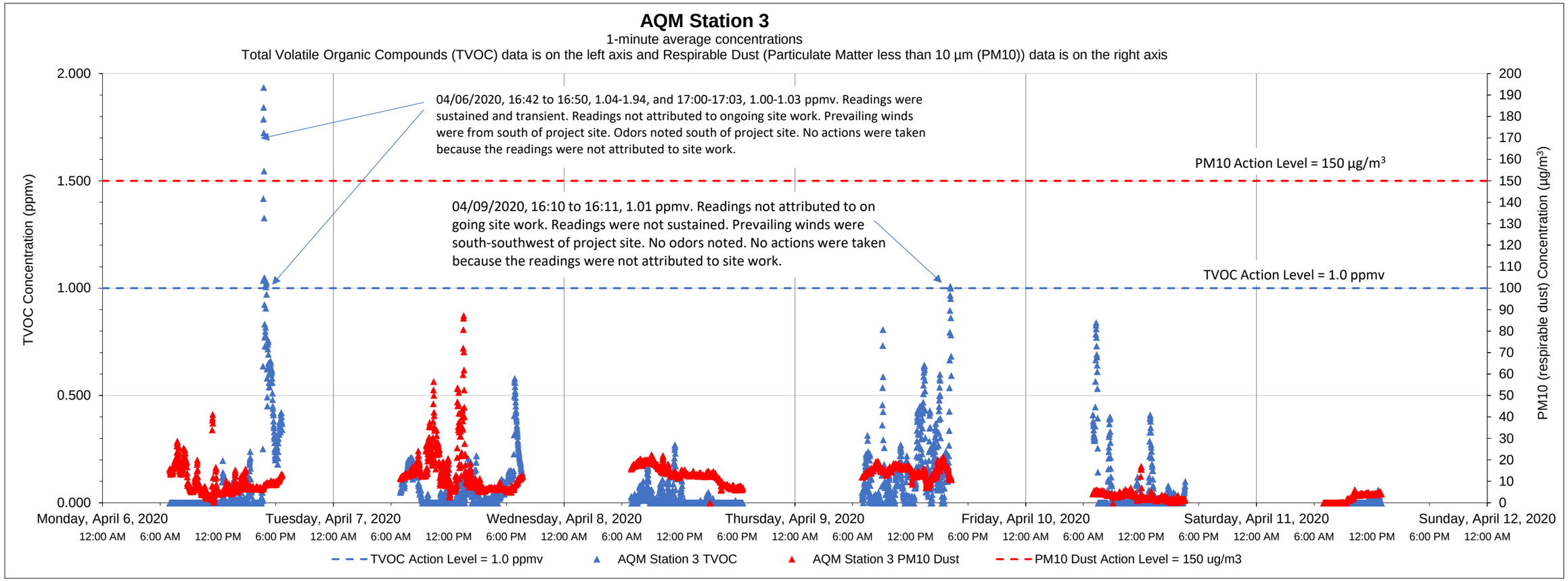

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
4/6/2020	16:42-16:50	TVOC	1.04-1.94 ppmv	No actions were taken. Readings were not attributed to site work.

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	1.94	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.28	µg/m^3
PM10 maximum concentration	87.25	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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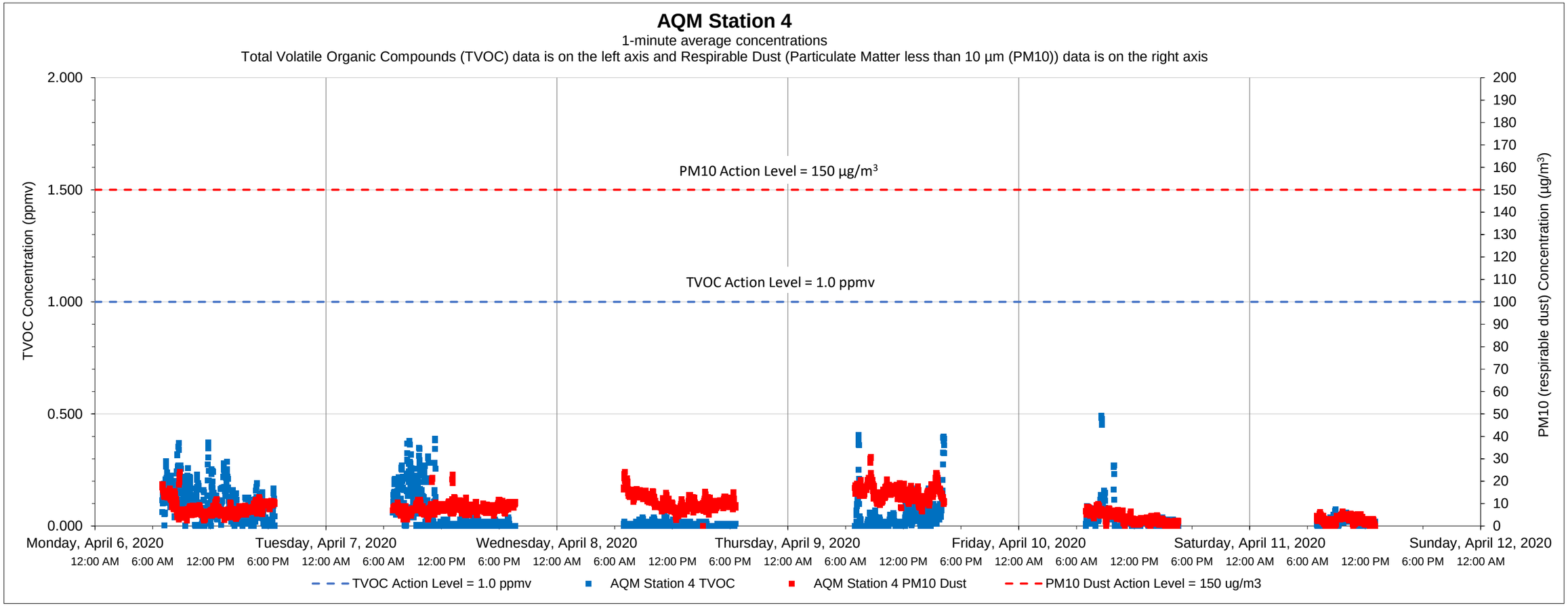

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.49	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.44	µg/m^3
PM10 maximum concentration	30.76	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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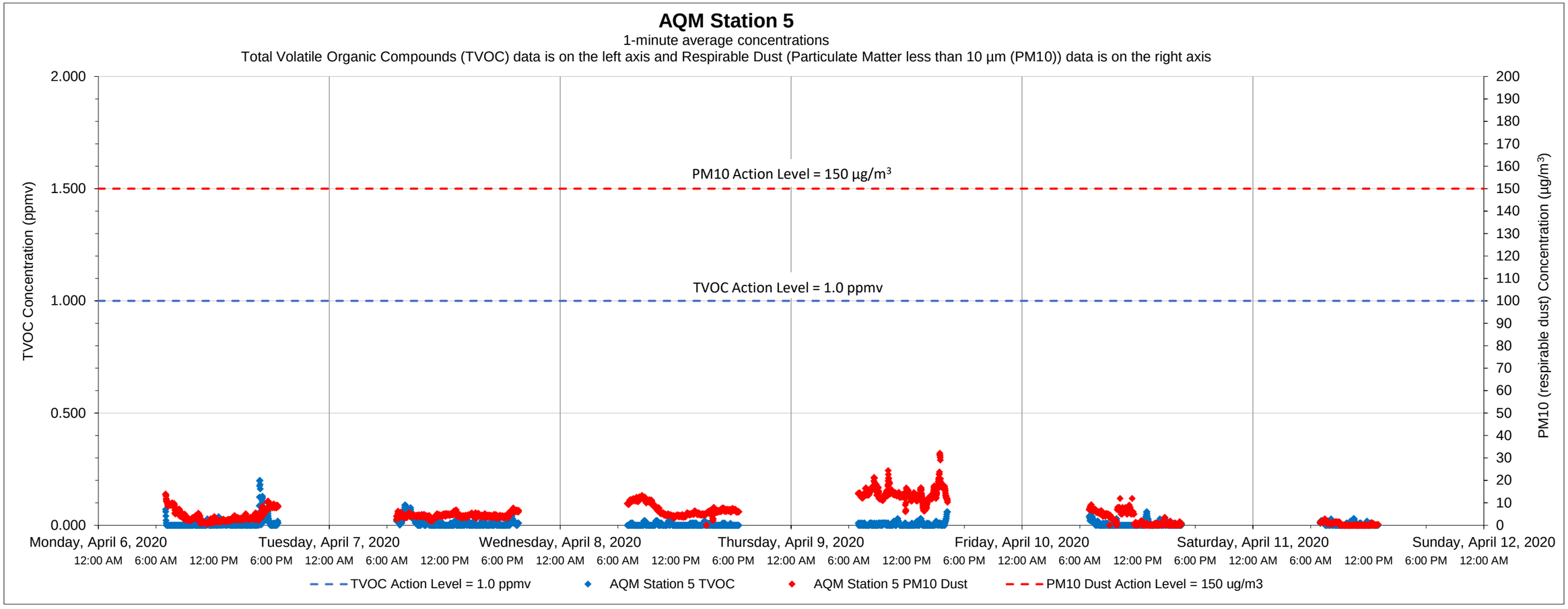

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.68	µg/m^3
PM10 maximum concentration	32.14	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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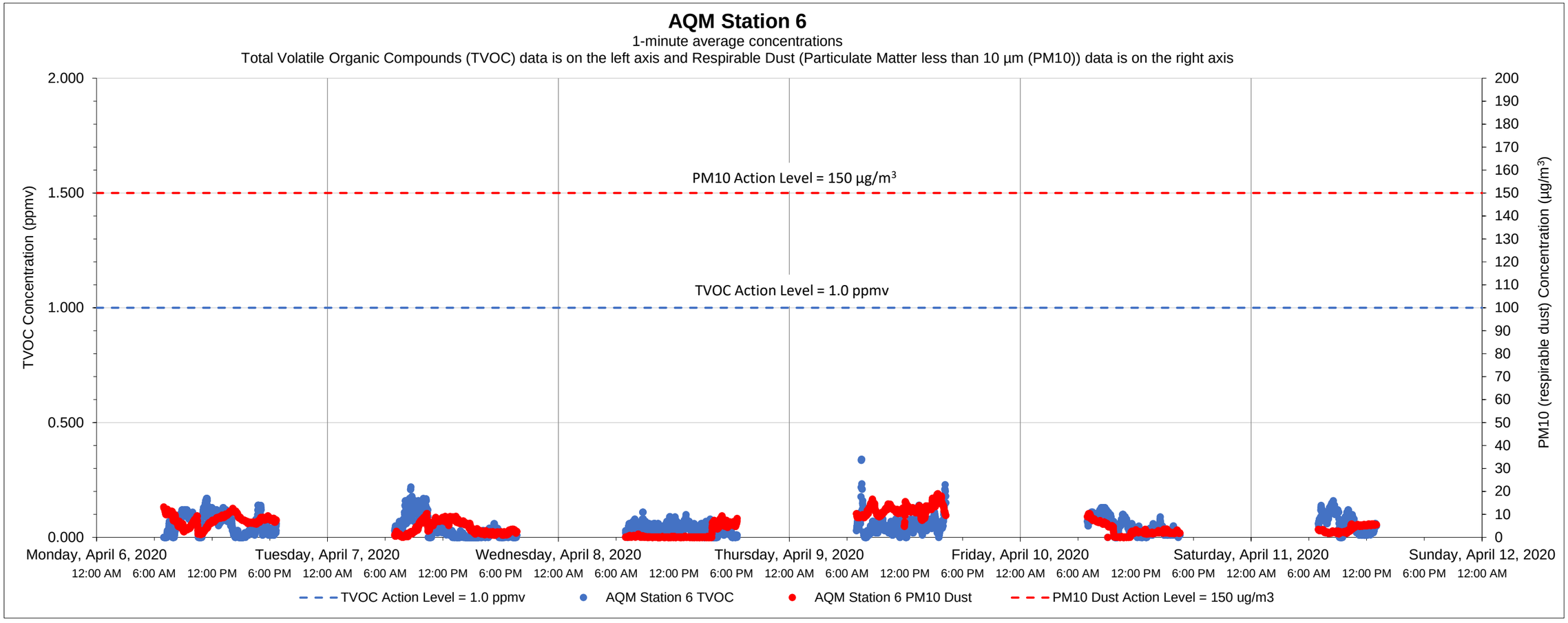

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.34	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.26	µg/m^3
PM10 maximum concentration	19.03	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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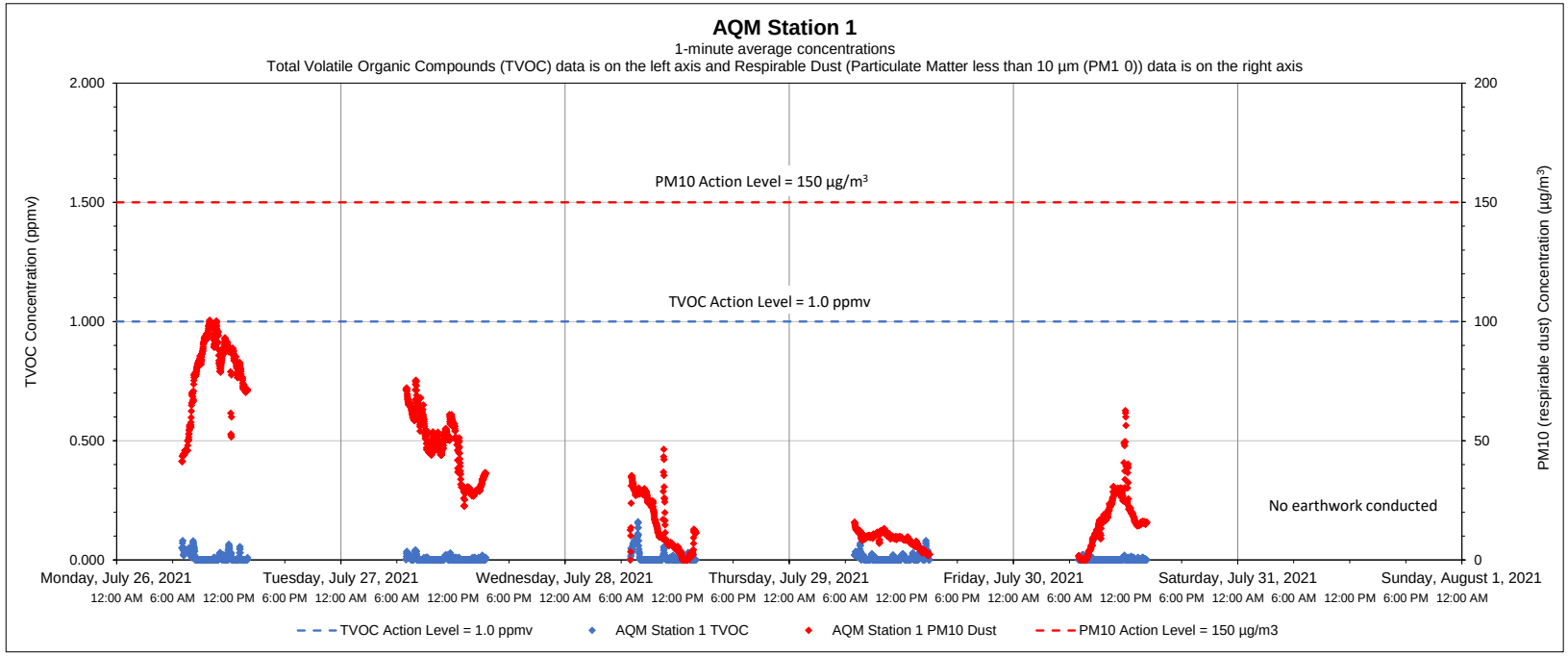

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.16	ppm
TVOCs action level	1	ppm
PM10 average concentration	33.08	µg/m^3
PM10 maximum concentration	100.53	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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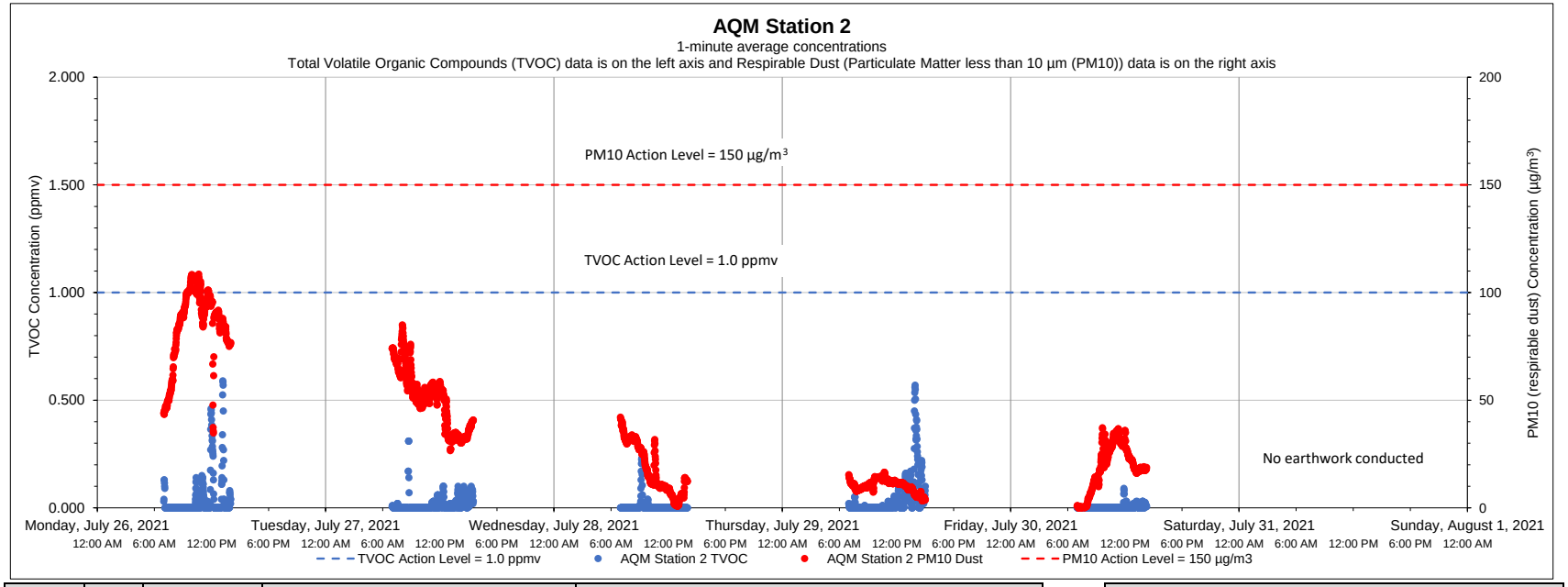

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.59	ppm
TVOCs action level	1	ppm
PM10 average concentration	35.97	µg/m³
PM10 maximum concentration	108.49	µg/m³
PM10 action level	150	µg/m³

Notes:

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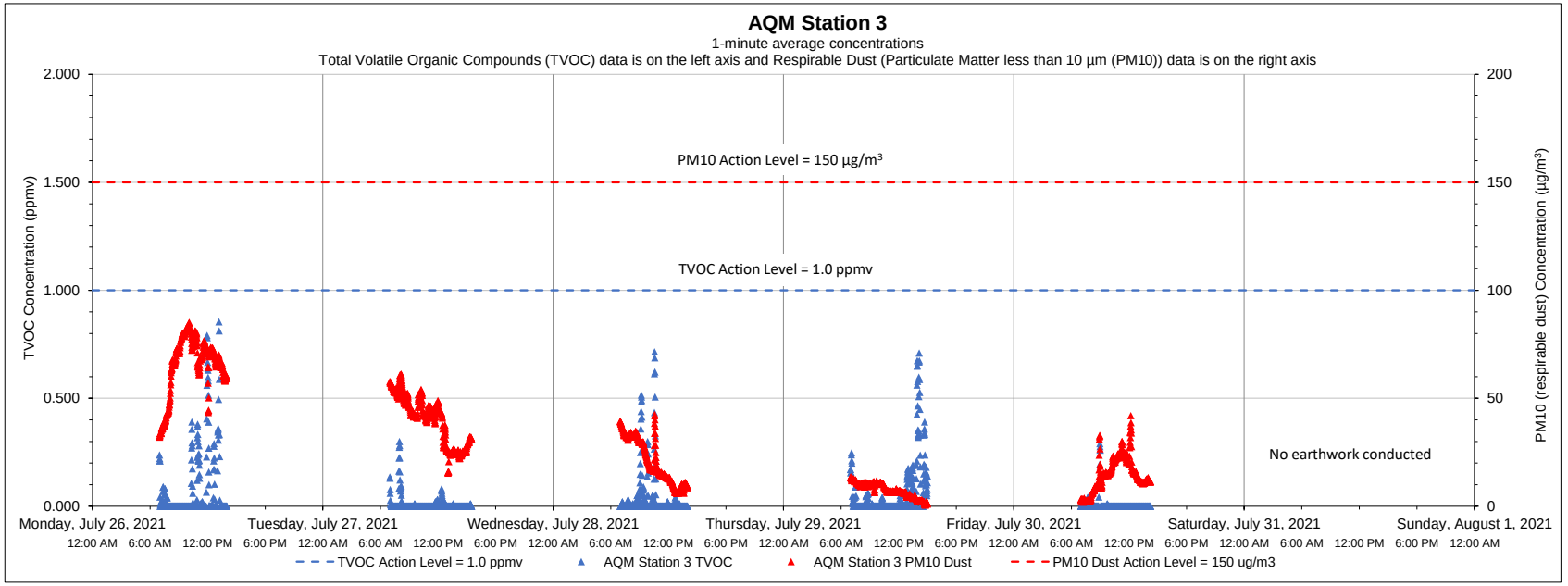

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.85	ppm
TVOCs action level	1	ppm
PM10 average concentration	29.49	µg/m³
PM10 maximum concentration	85.16	µg/m³
PM10 action level	150	µg/m³

Notes:

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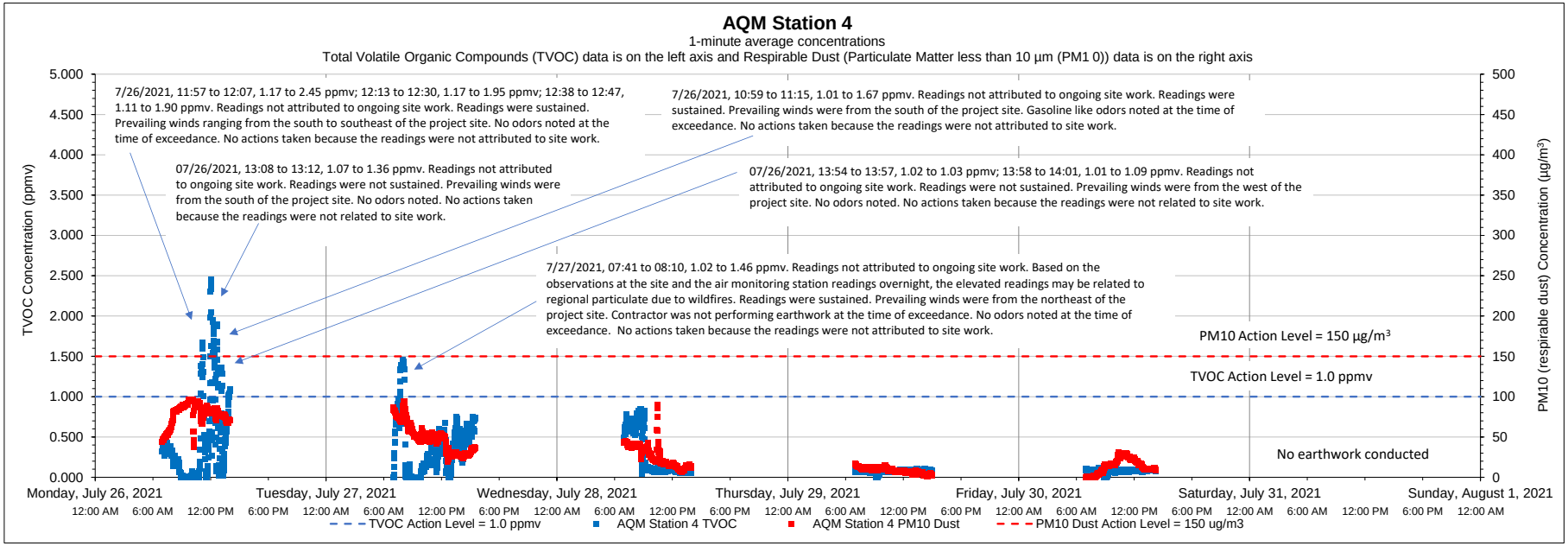

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
7/26/2021	10:59 to 11:15	TVOC	1.01 to 1.67 ppmv	No actions taken because the readings were not attributed to site work
7/26/2021	11:57 to 12:07	TVOC	1.17 to 2.45 ppmv	No actions taken because the readings were not attributed to site work
7/26/2021	12:13 to 12:30	TVOC	1.17 to 1.95 ppmv	No actions taken because the readings were not attributed to site work
7/26/2021	12:38 to 12:47	TVOC	1.11 to 1.90 ppmv	No actions taken because the readings were not attributed to site work
7/27/2021	07:41 to 08:10	TVOC	1.02 to 1.46 ppmv	No actions taken because the readings were not attributed to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.24	ppm
TVOCs maximum concentration	2.45	ppm
TVOCs action level	1	ppm
PM10 average concentration	34.32	µg/m³
PM10 maximum concentration	96.53	µg/m³
PM10 action level	150	µg/m³

Notes:

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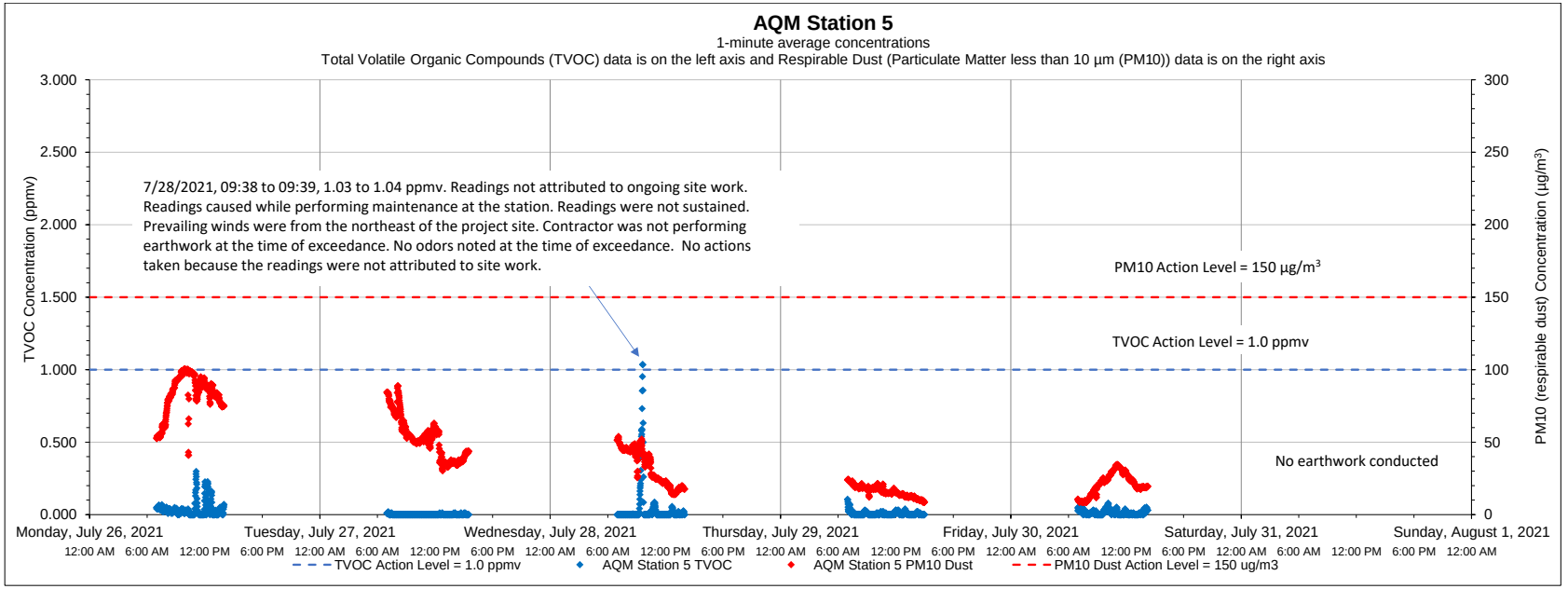
GZA Job No. 03.0033554.04

08/02/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	1.04	ppm
TVOCs action level	1	ppm
PM10 average concentration	40.50	µg/m³
PM10 maximum concentration	100.59	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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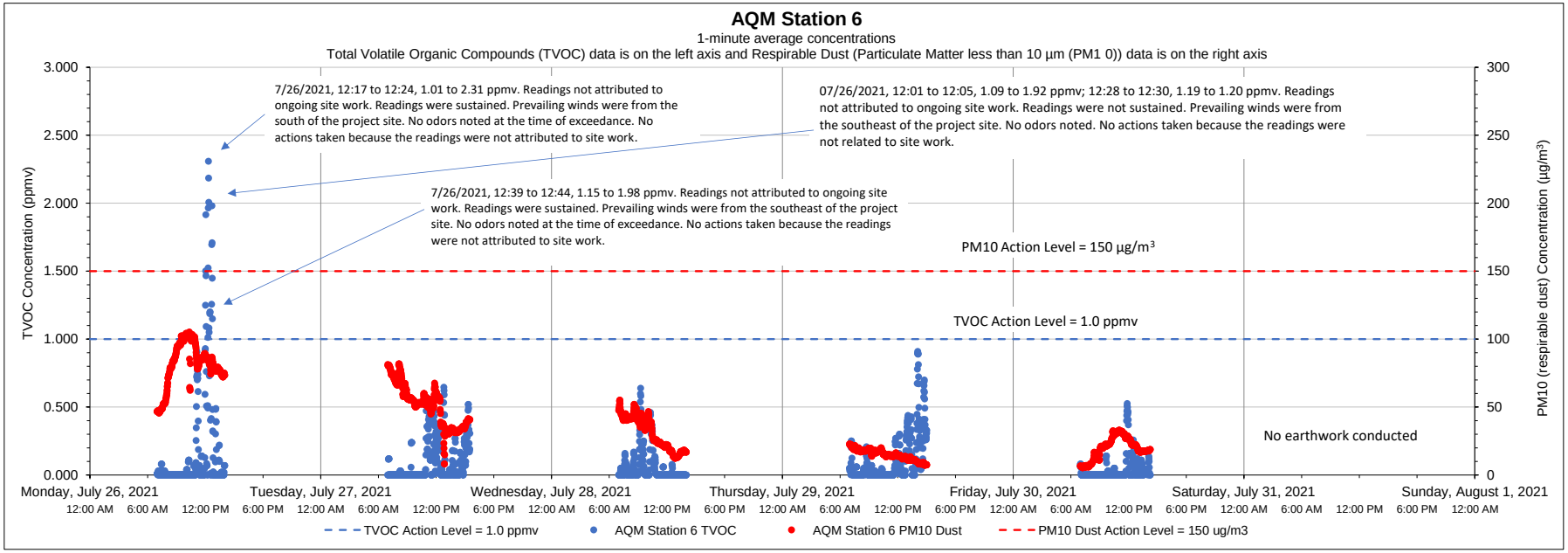

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
7/26/2021	12:17 to 12:24	TVOC	1.01 to 2.31 ppmv	No actions taken because the readings were not attributed to site work
7/26/2021	12:39 to 12:44	TVOC	1.15 to 1.98 ppmv	No actions taken because the readings were not attributed to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	2.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	39.19	µg/m³
PM10 maximum concentration	105.25	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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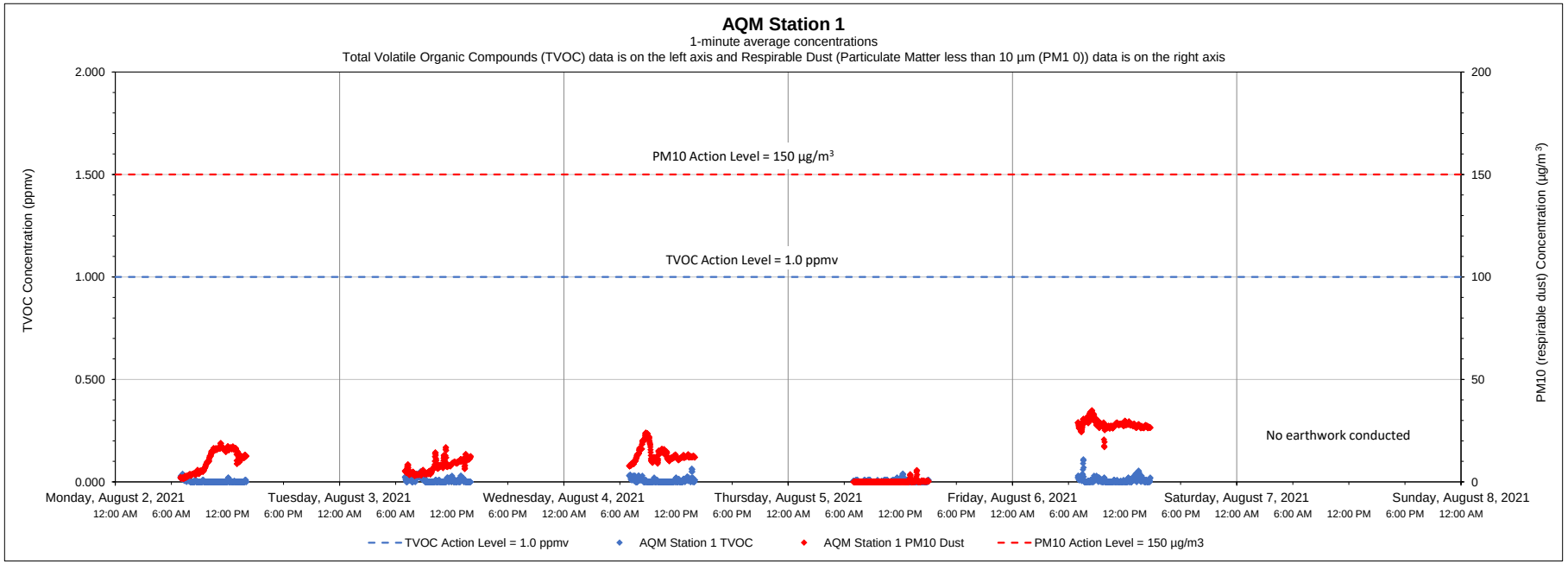

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.11	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.84	µg/m^3
PM10 maximum concentration	34.99	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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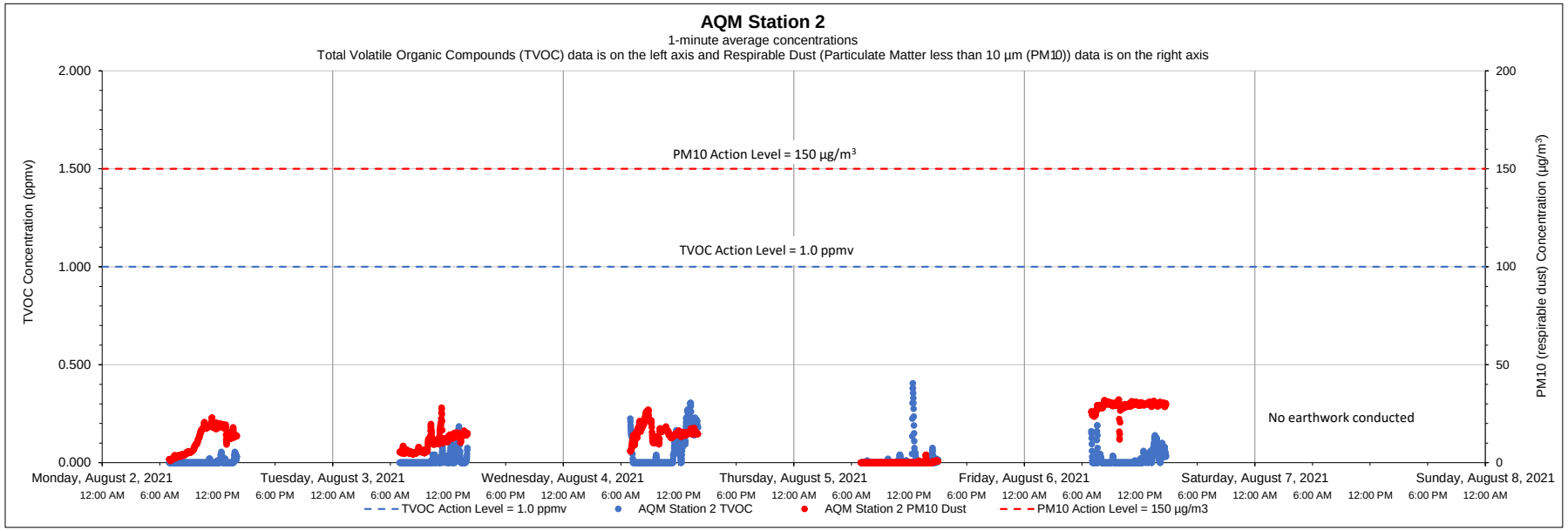

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.29	µg/m^3
PM10 maximum concentration	32.18	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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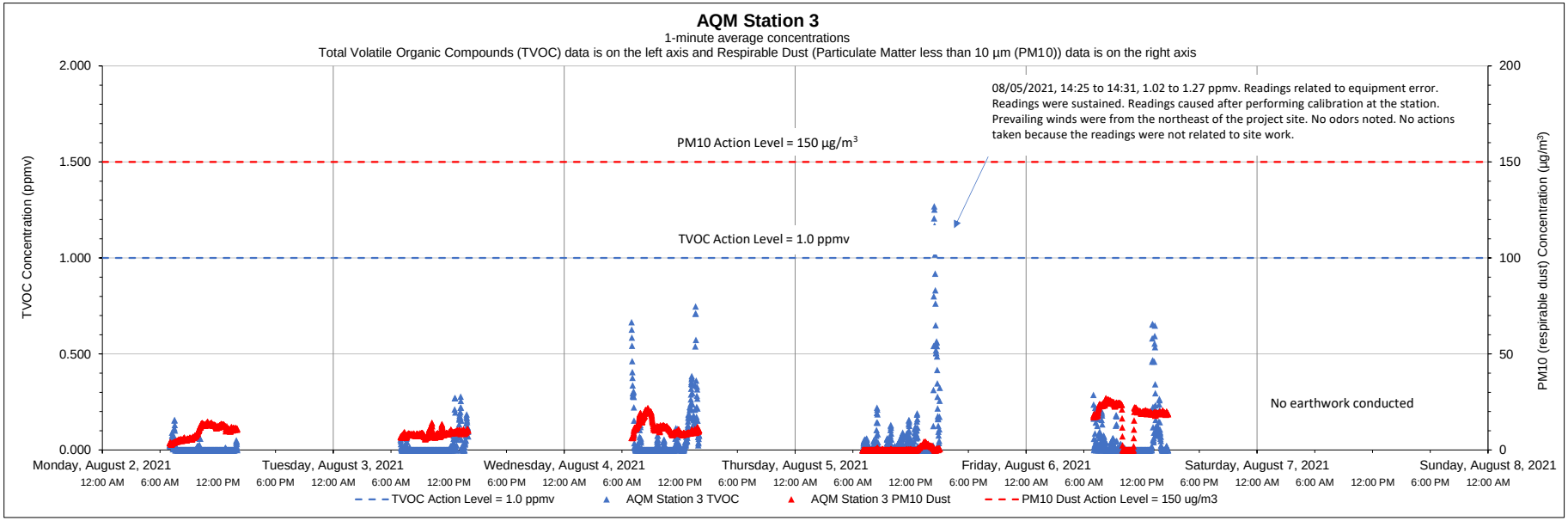

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
8/5/2021	14:25 to 14:31	TVOC	1.02-1.27 ppmv	No actions taken because the readings were not attributed to site work

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.27	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.58	µg/m³
PM10 maximum concentration	26.83	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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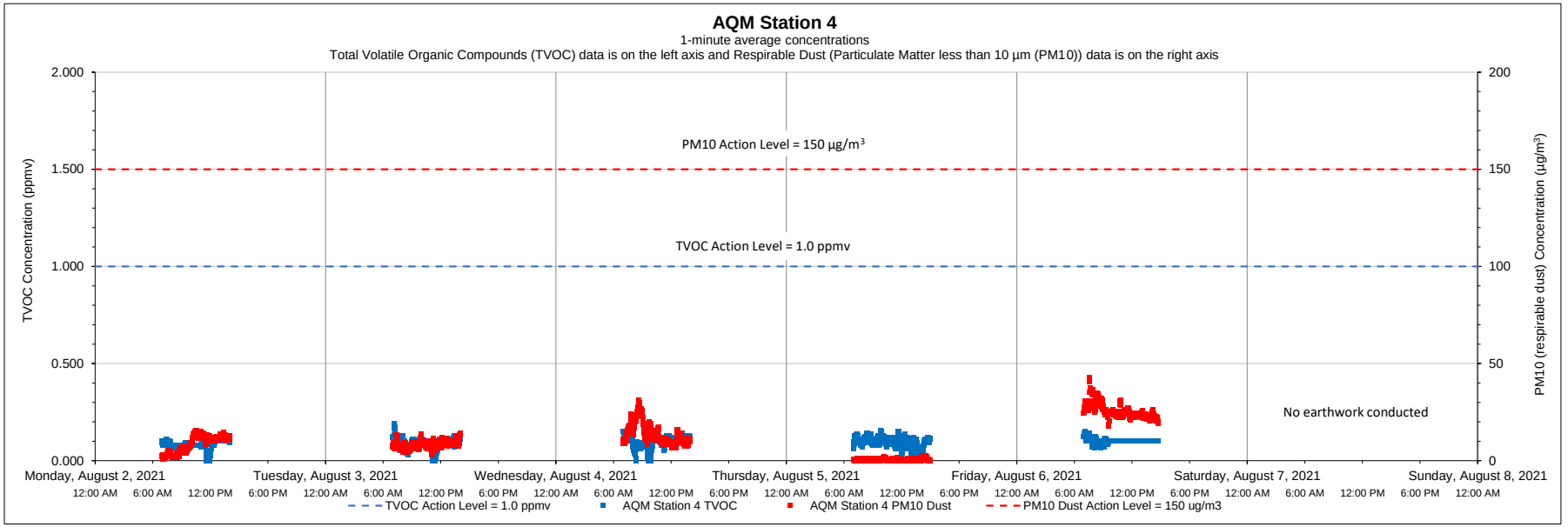

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	0.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.21	µg/m³
PM10 maximum concentration	42.74	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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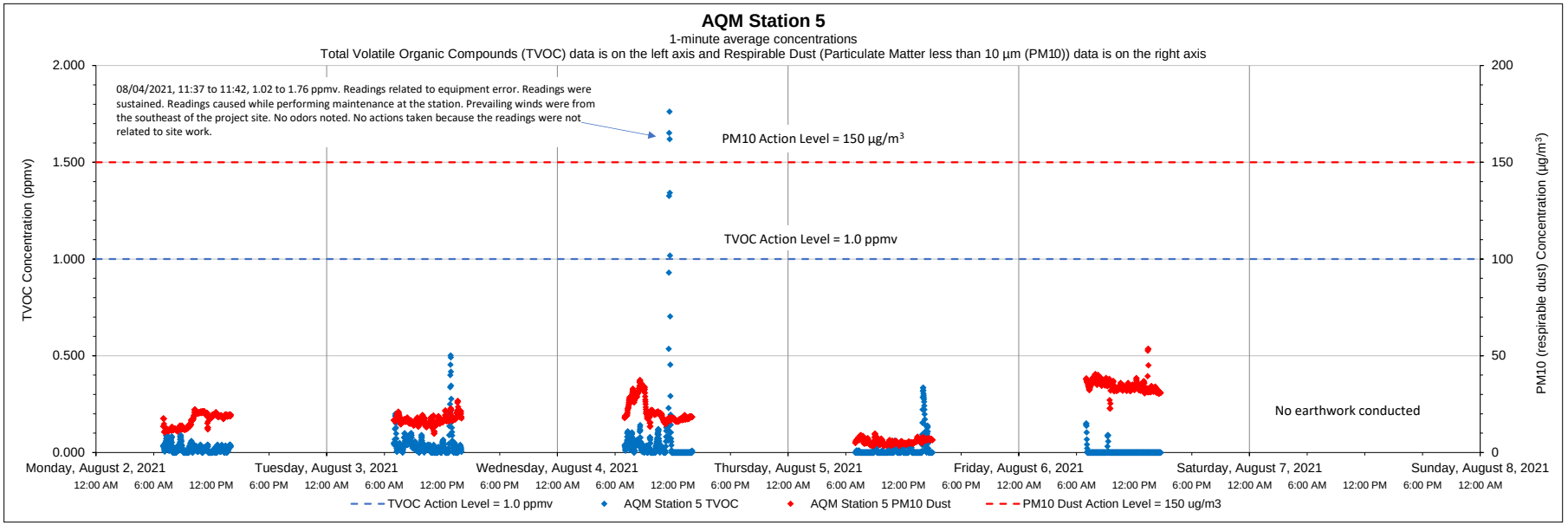

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
8/4/2021	11:37 to 11:42	TVOC	1.02-1.27 ppmv	No actions taken because the readings were not attributed to site work

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	1.76	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.85	µg/m^3
PM10 maximum concentration	53.65	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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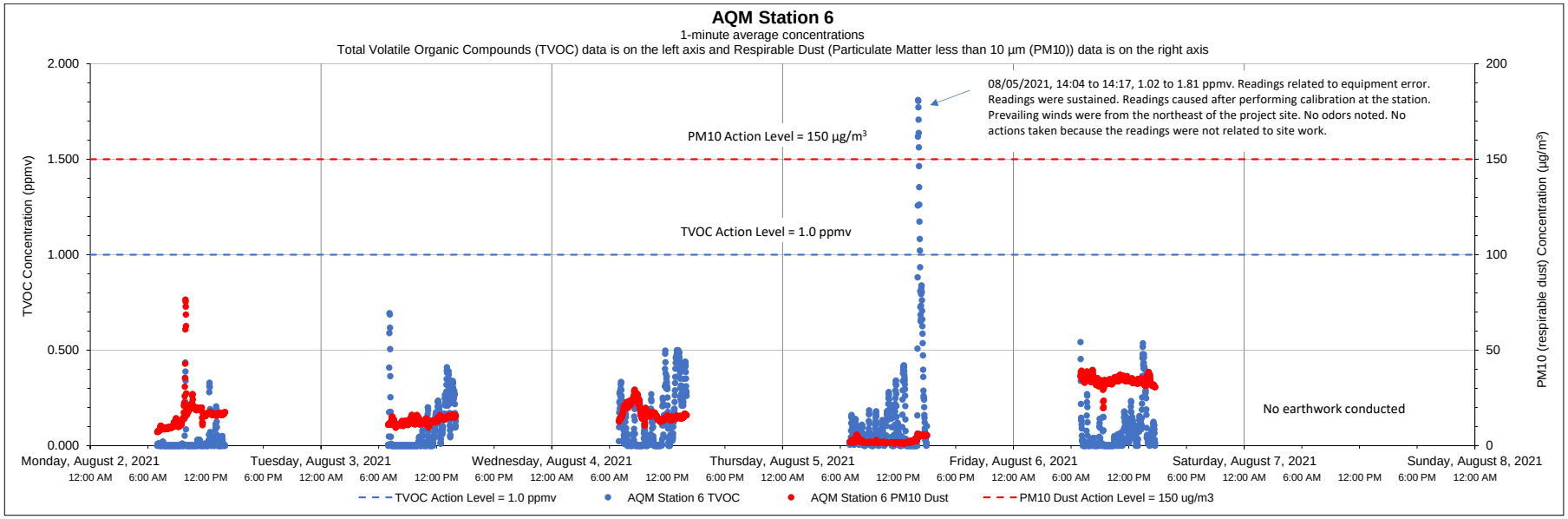

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
8/5/2021	14:04 to 14:17	TVOC	1.02-1.81 ppmv	No actions taken because the readings were not attributed to site work

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	1.81	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.43	µg/m^3
PM10 maximum concentration	76.52	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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GZA Job No. 03.0033554.04

Liquefaction Facility Project -

8/16/2021

STRAP Perimeter Air Quality Monitoring (AQM)

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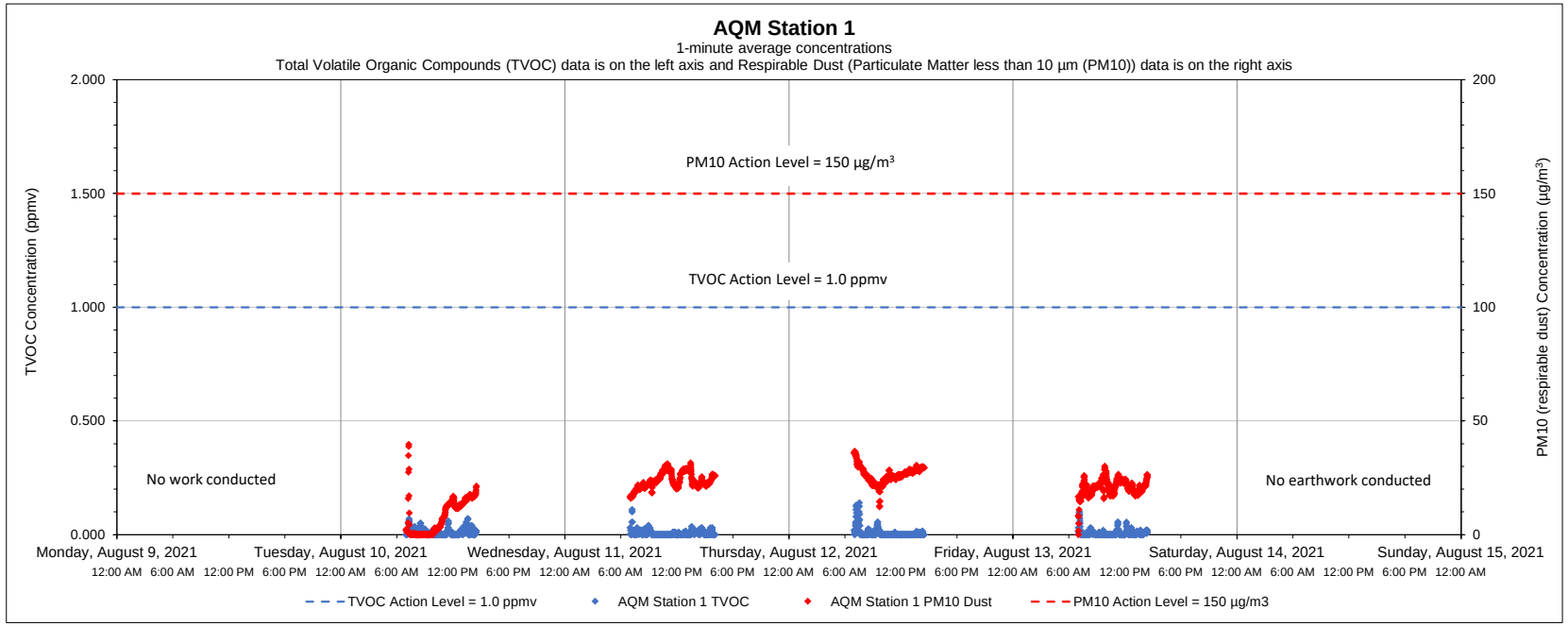

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.14	ppm
TVOCs action level	1	ppm
PM10 average concentration	19.80	µg/m³
PM10 maximum concentration	39.63	µg/m³
PM10 action level	150	µg/m³

Notes:

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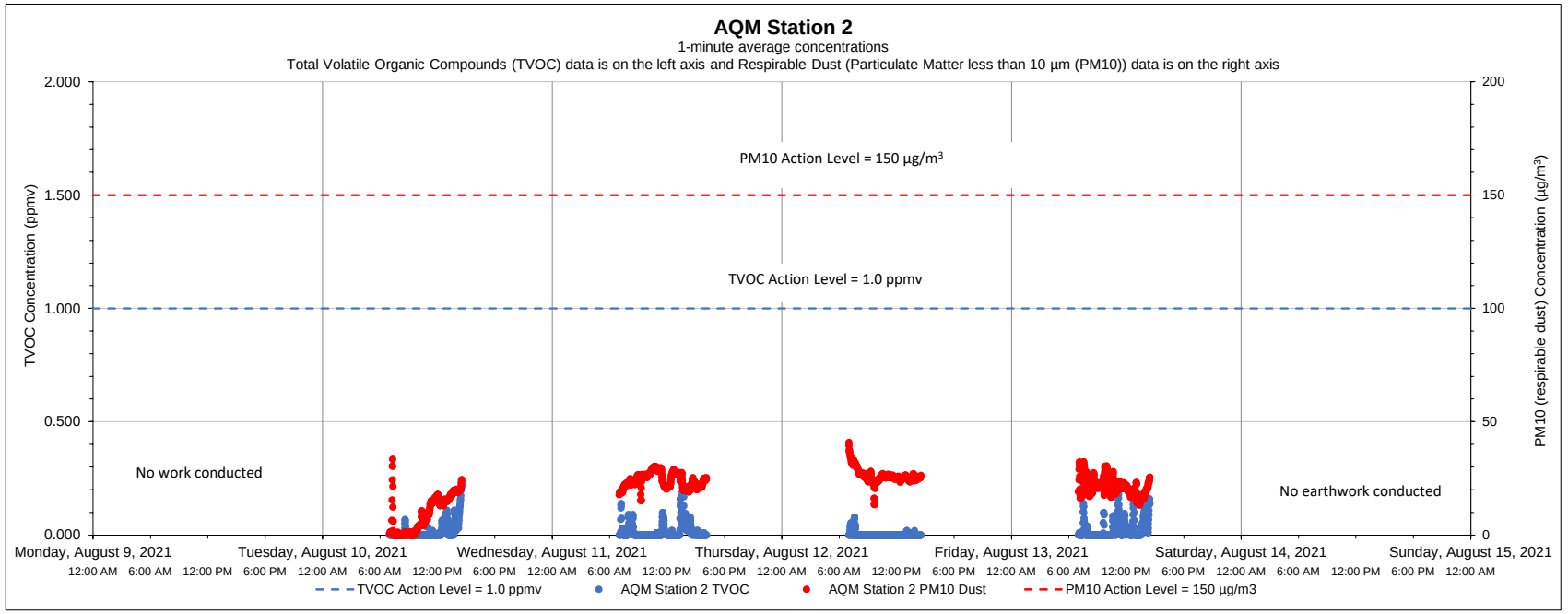

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.23	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.36	µg/m^3
PM10 maximum concentration	40.89	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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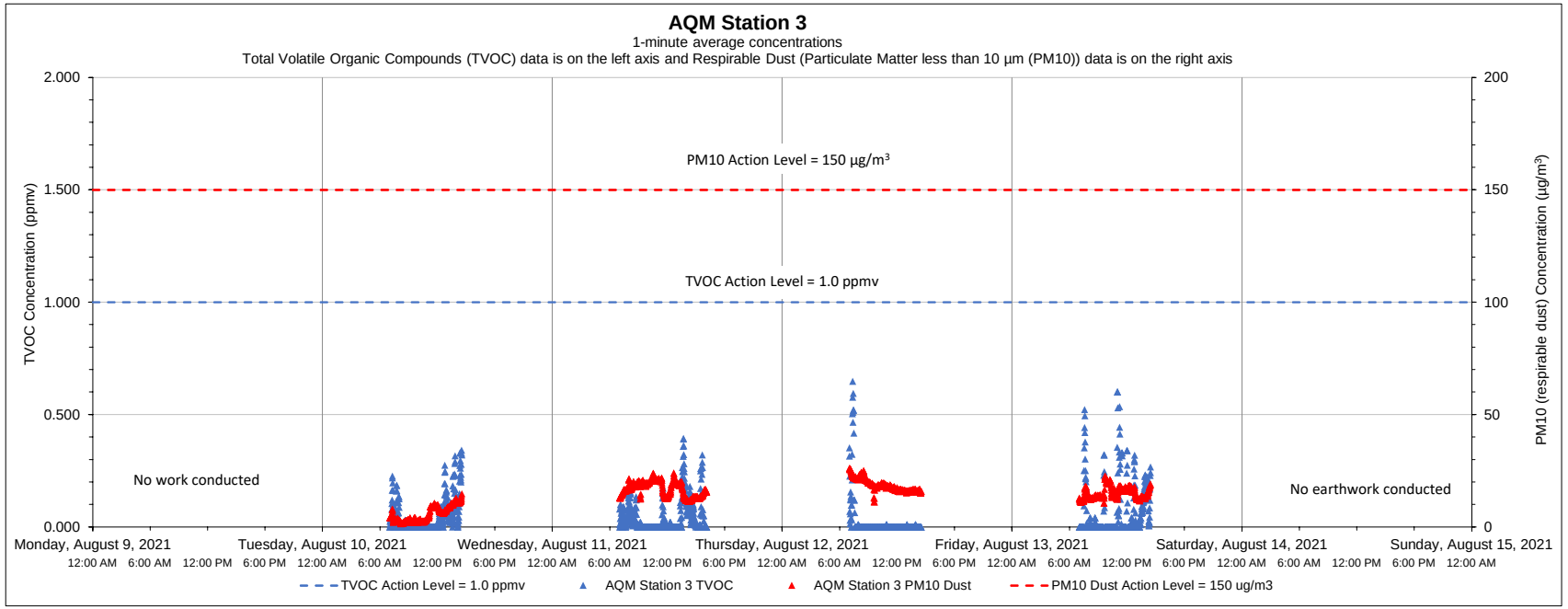

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.65	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.21	µg/m³
PM10 maximum concentration	26.15	µg/m³
PM10 action level	150	µg/m³

Notes:

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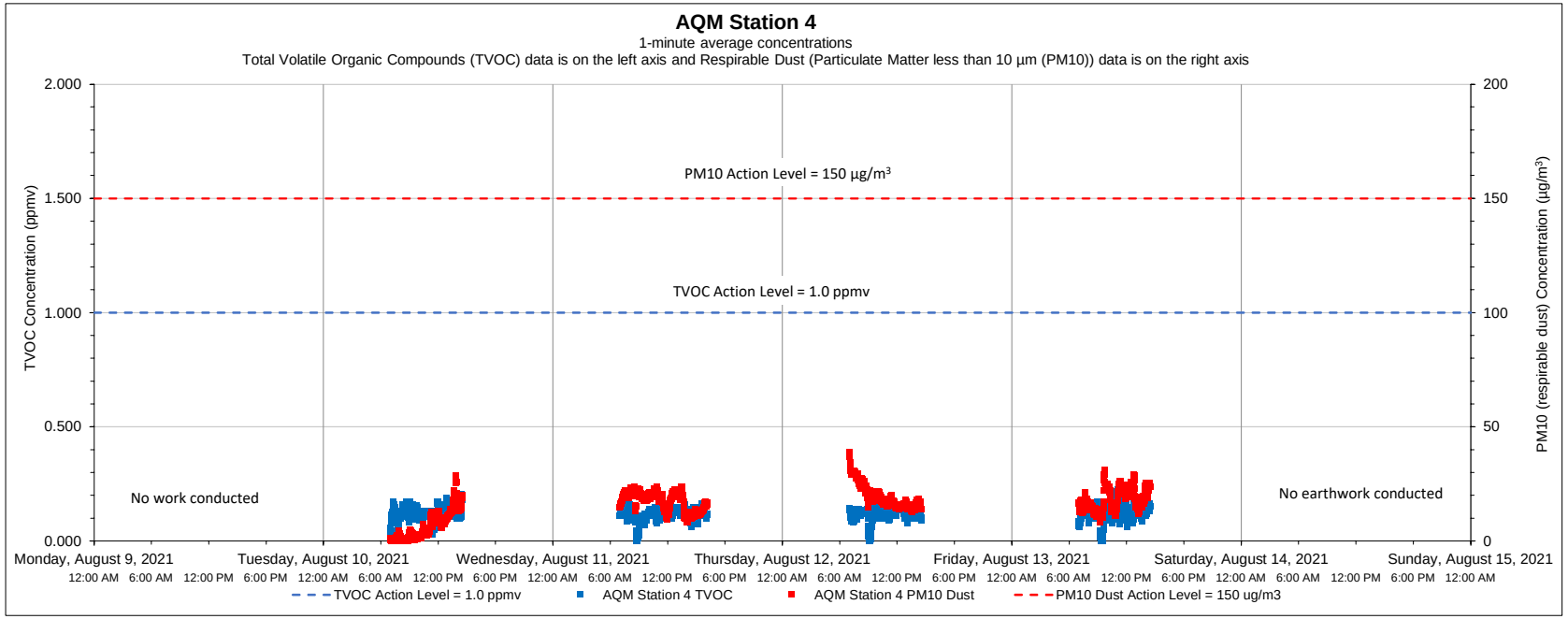

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.12	ppm
TVOCs maximum concentration	0.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.47	µg/m^3
PM10 maximum concentration	38.75	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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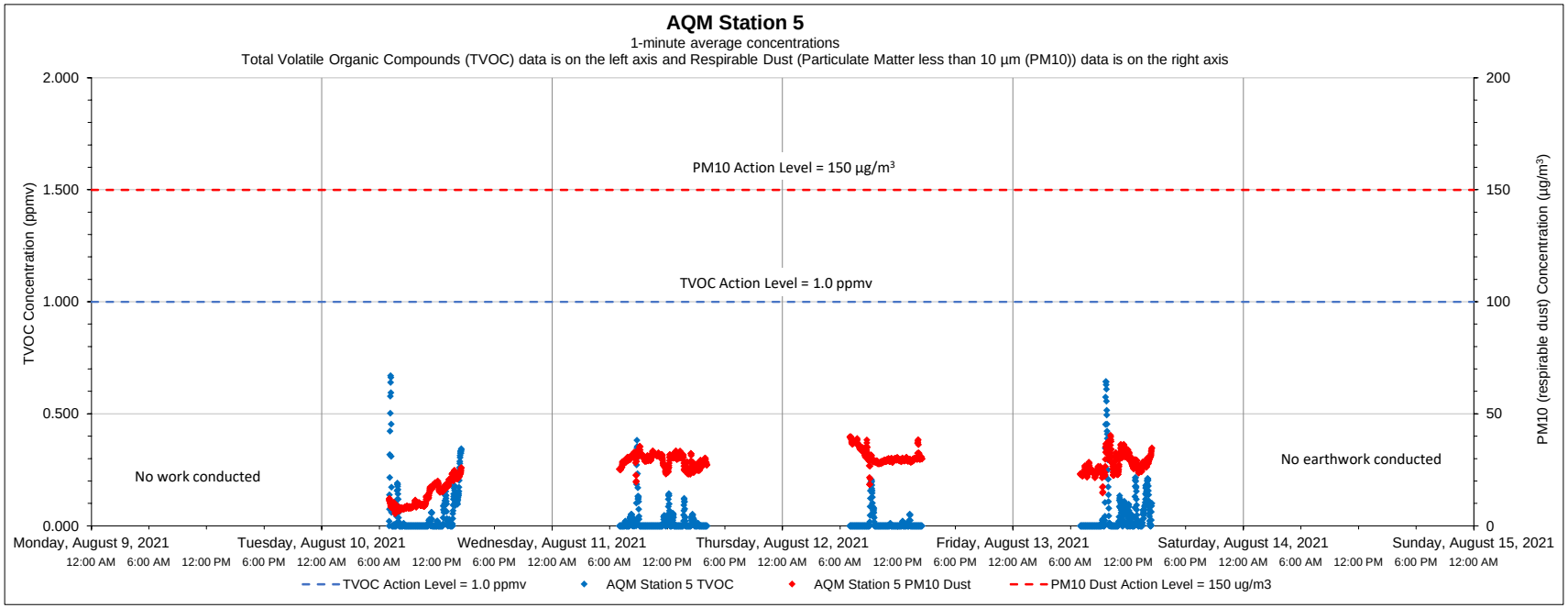

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.67	ppm
TVOCs action level	1	ppm
PM10 average concentration	25.40	µg/m^3
PM10 maximum concentration	40.43	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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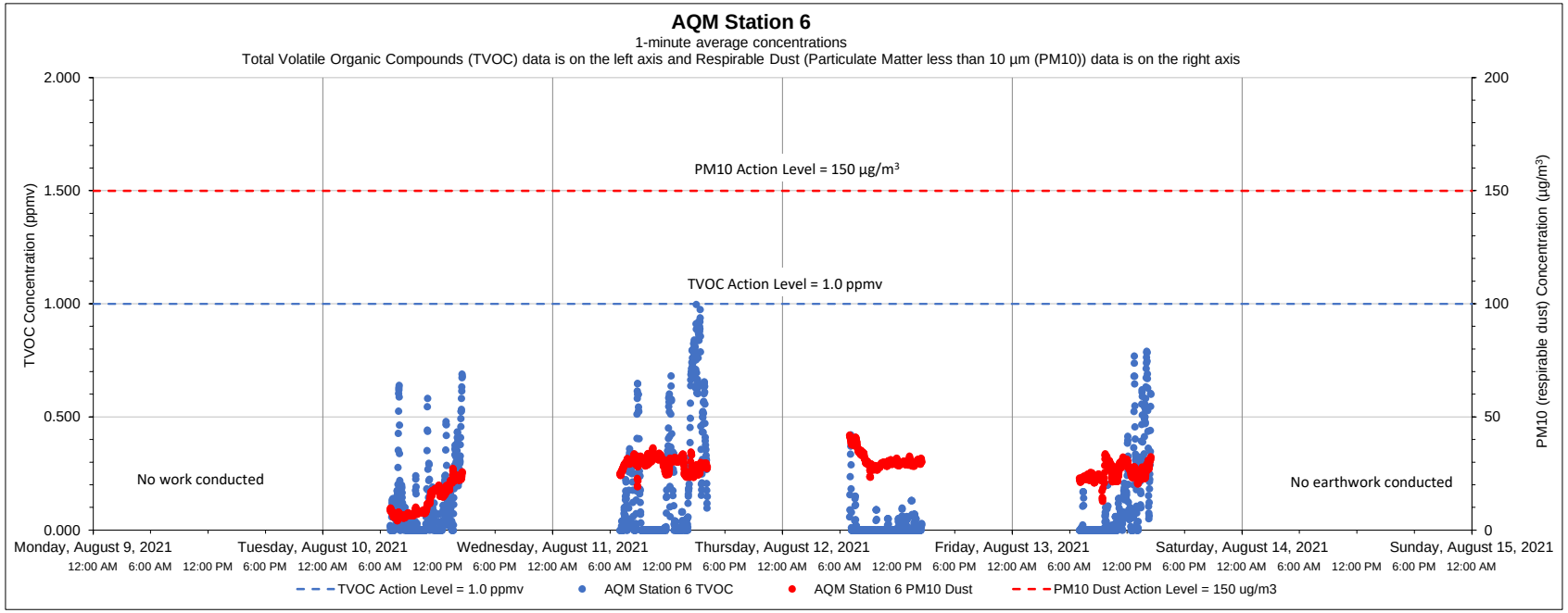

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.11	ppm
TVOCs maximum concentration	1.00	ppm
TVOCs action level	1	ppm
PM10 average concentration	24.80	µg/m³
PM10 maximum concentration	41.97	µg/m³
PM10 action level	150	µg/m³

Notes:

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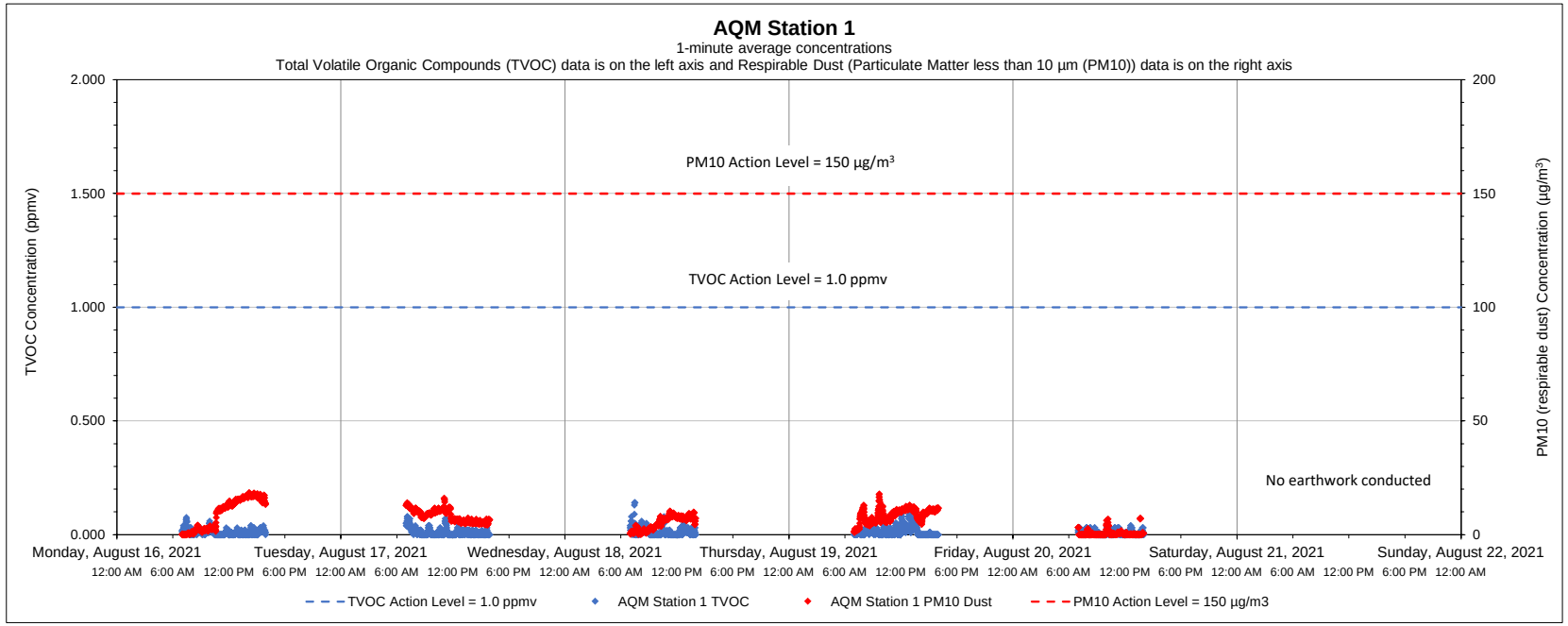

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.14	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.69	µg/m³
PM10 maximum concentration	18.37	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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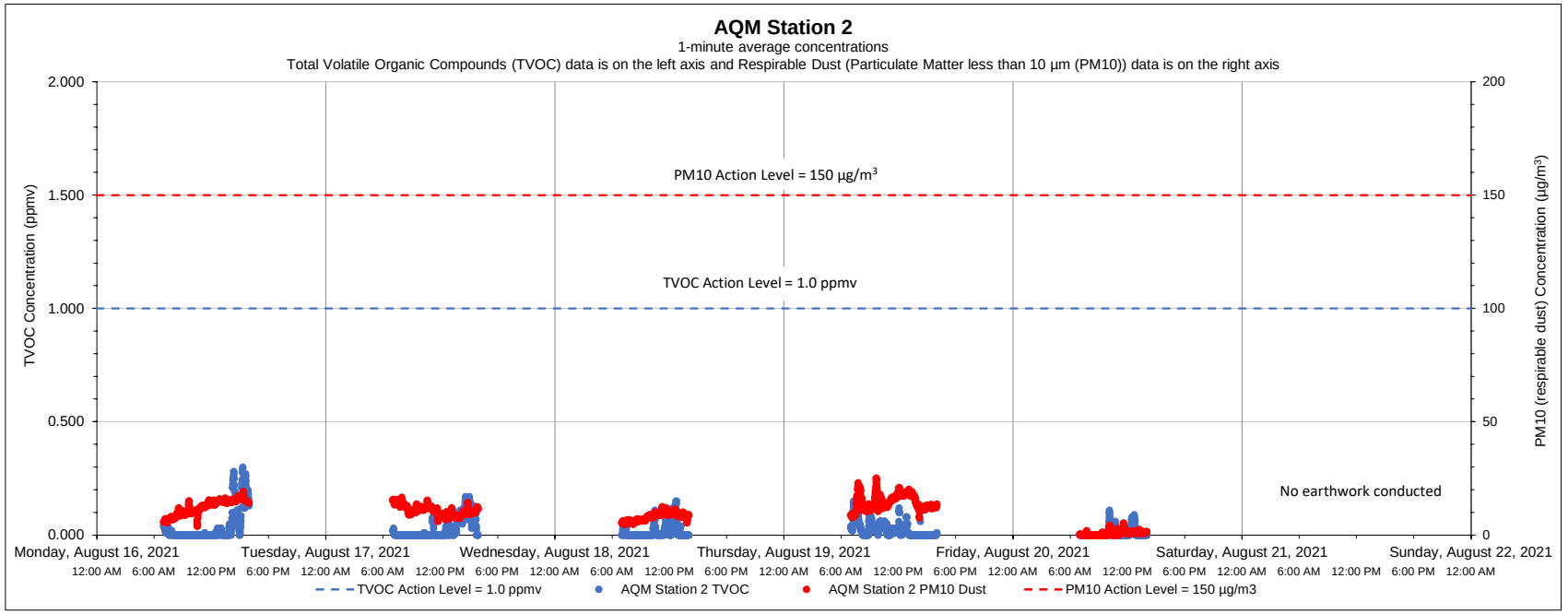

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.79	µg/m³
PM10 maximum concentration	25.21	µg/m³
PM10 action level	150	µg/m³

Notes:

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STRAP Perimeter Air Quality Monitoring (AQM)

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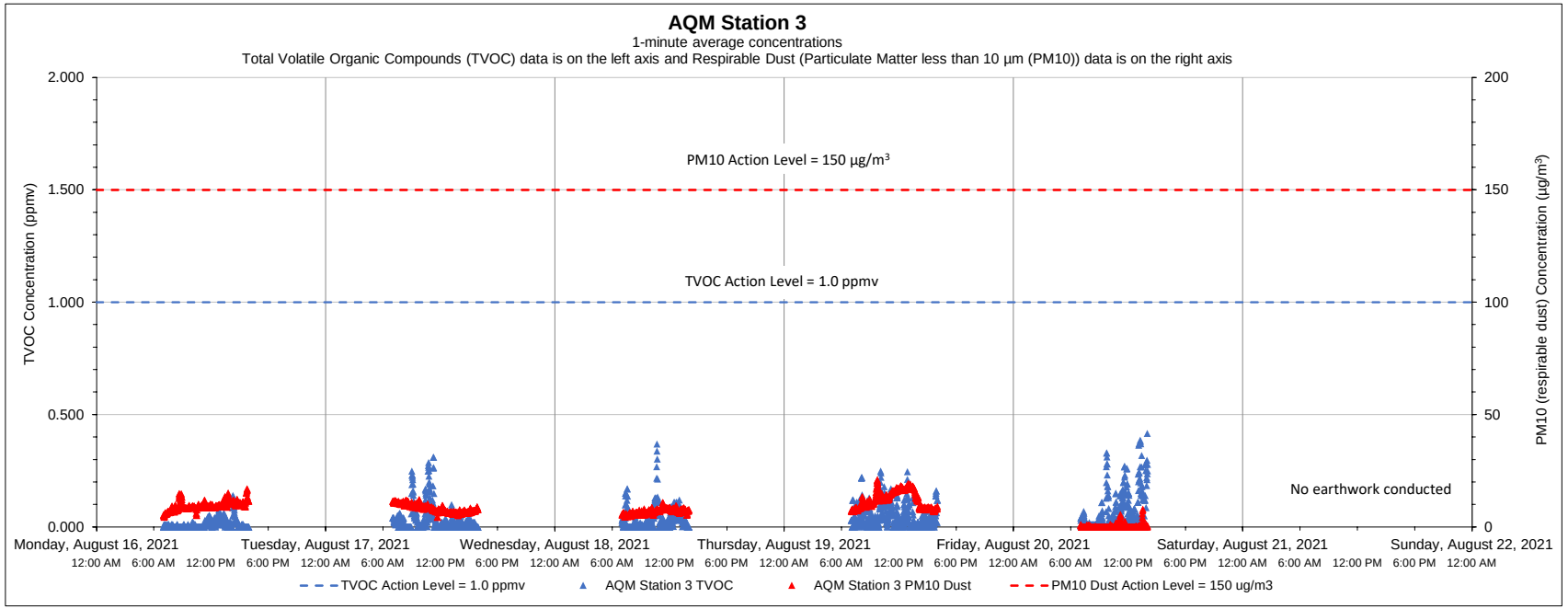


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.42	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.83	µg/m³
PM10 maximum concentration	21.07	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

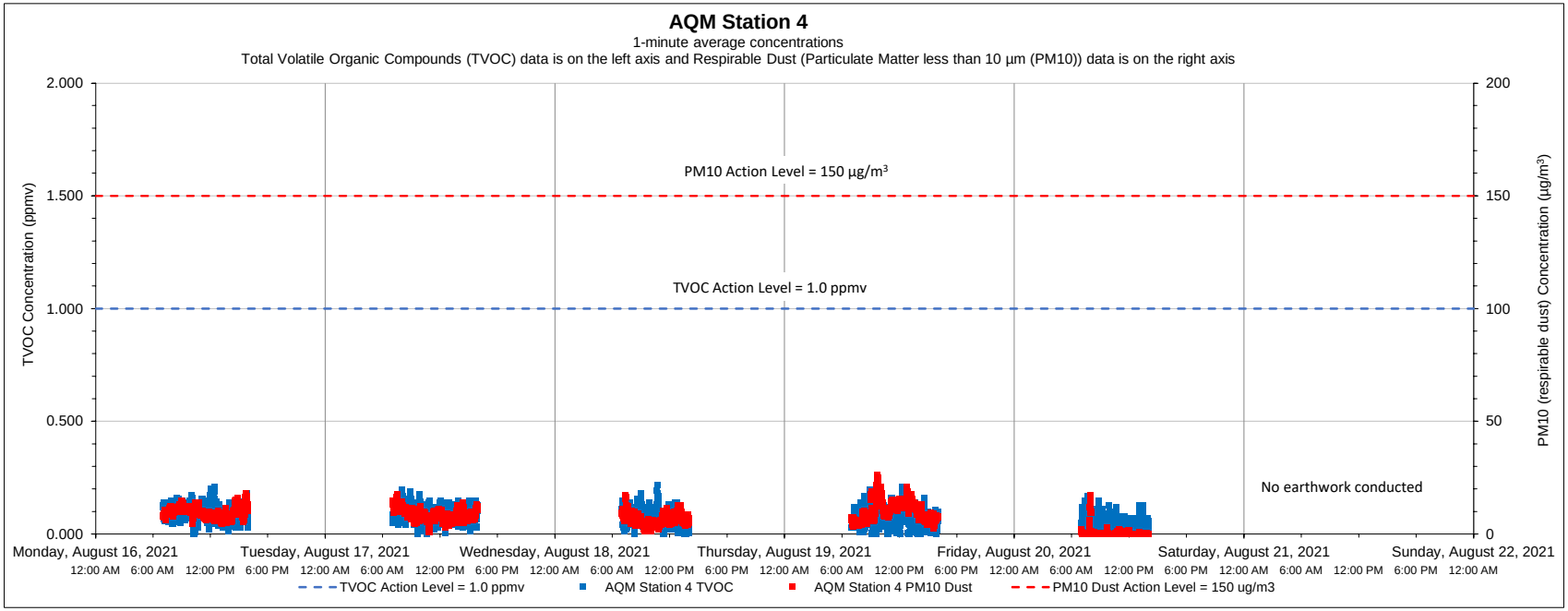
GZA Job No. 03.0033554.04

Liquefaction Facility Project -

8/23/2021

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.22	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.40	µg/m³
PM10 maximum concentration	26.30	µg/m³
PM10 action level	150	µg/m³

Notes:

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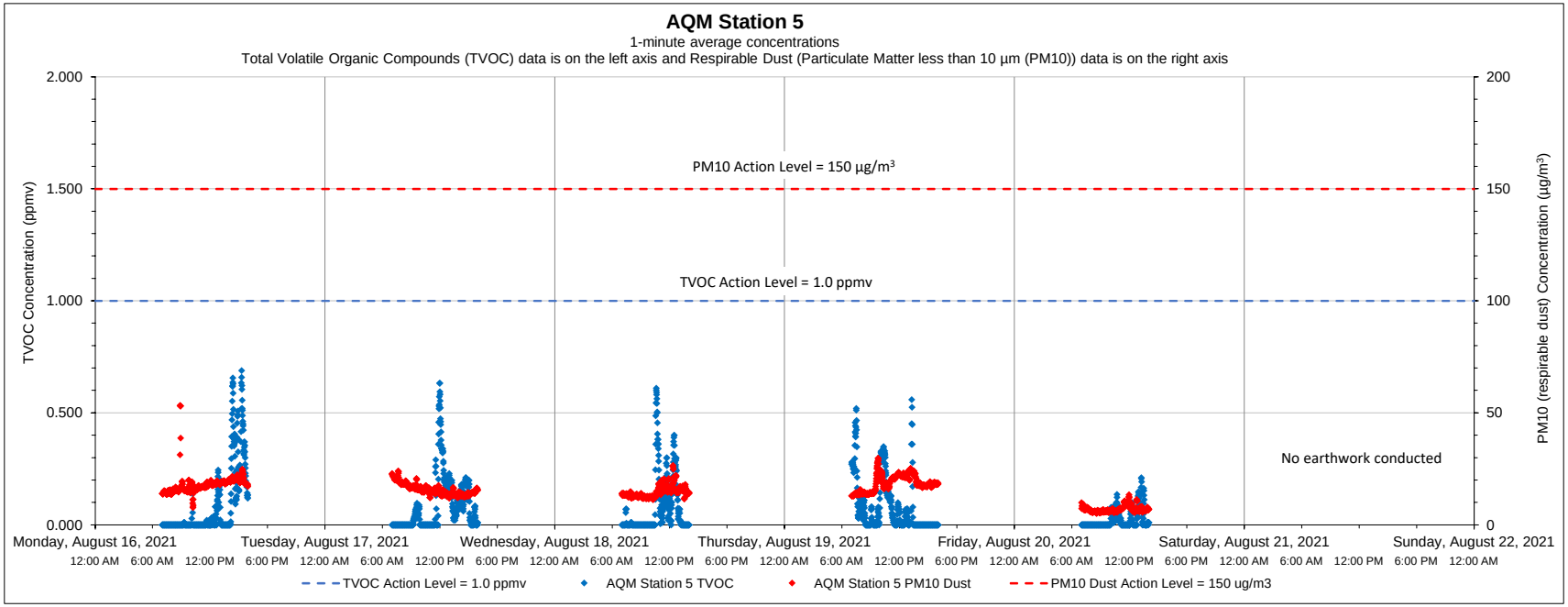

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.69	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.02	µg/m^3
PM10 maximum concentration	53.25	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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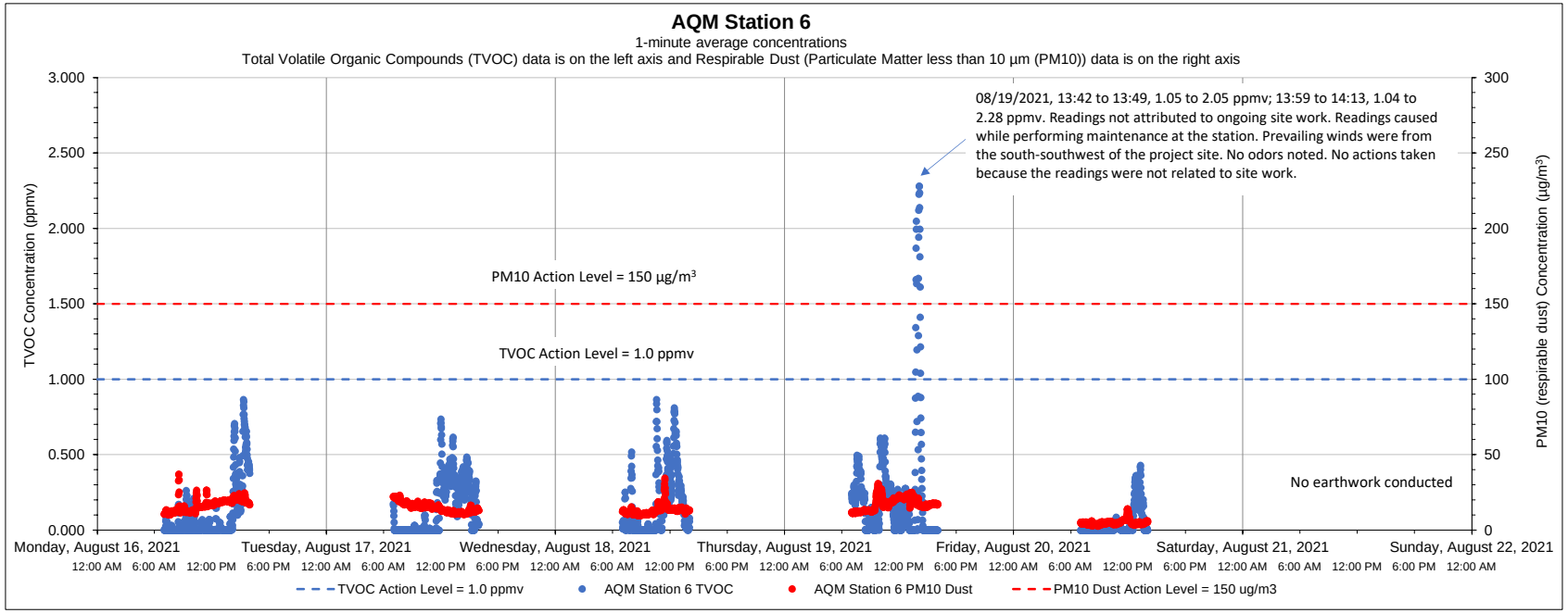

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.14	ppm
TVOCs maximum concentration	2.28	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.81	µg/m³
PM10 maximum concentration	36.98	µg/m³
PM10 action level	150	µg/m³

Notes:

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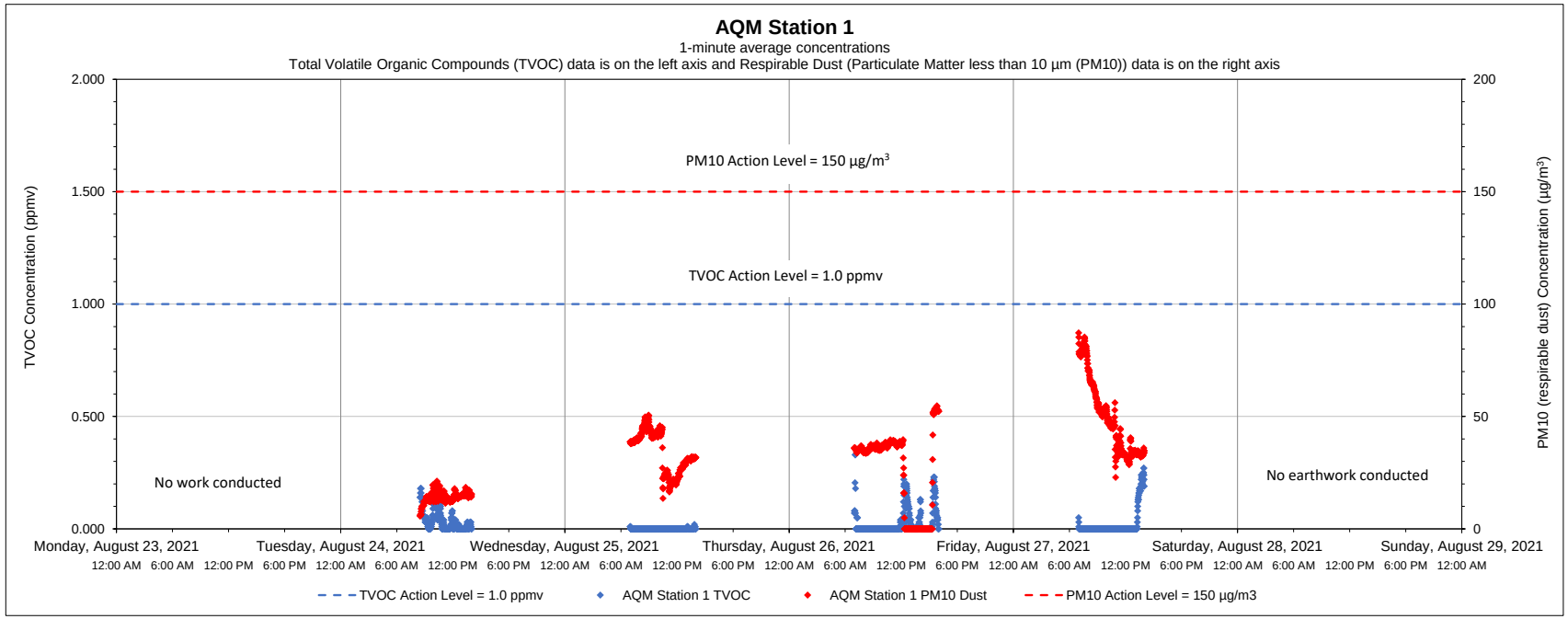

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.33	ppm
TVOCs action level	1	ppm
PM10 average concentration	31.12	µg/m^3
PM10 maximum concentration	87.22	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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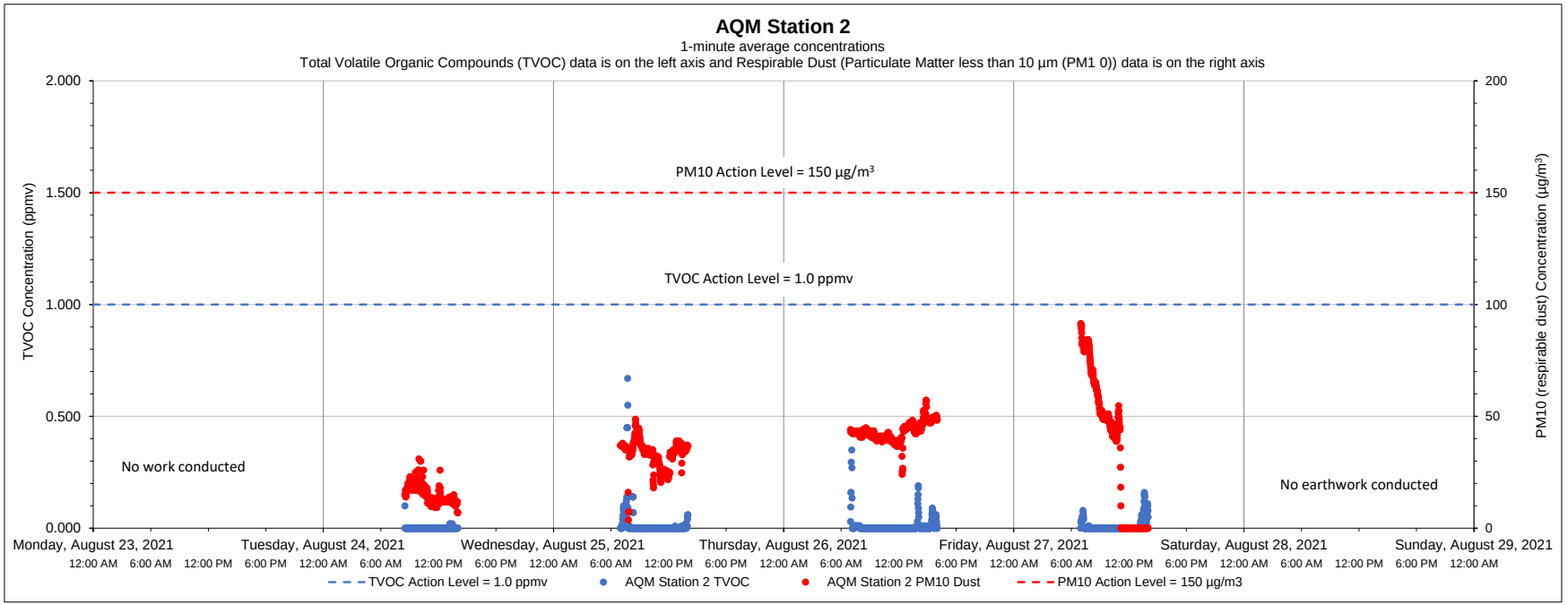

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.67	ppm
TVOCs action level	1	ppm
PM10 average concentration	33.31	µg/m^3
PM10 maximum concentration	91.49	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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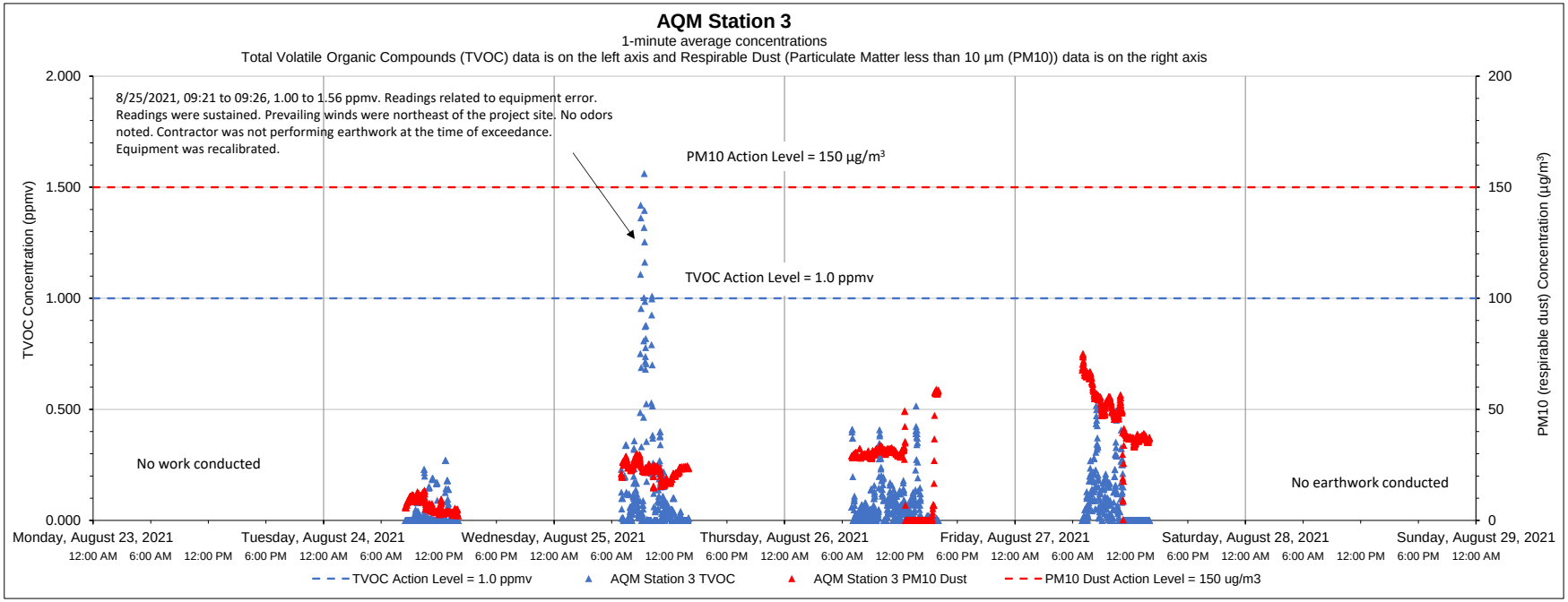

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
8/25/2021	921 to 926	TVOC	1.00-1.56 ppmv	Equipment was recalibrated.
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	1.56	ppm
TVOCs action level	1	ppm
PM10 average concentration	25.50	µg/m^3
PM10 maximum concentration	75.16	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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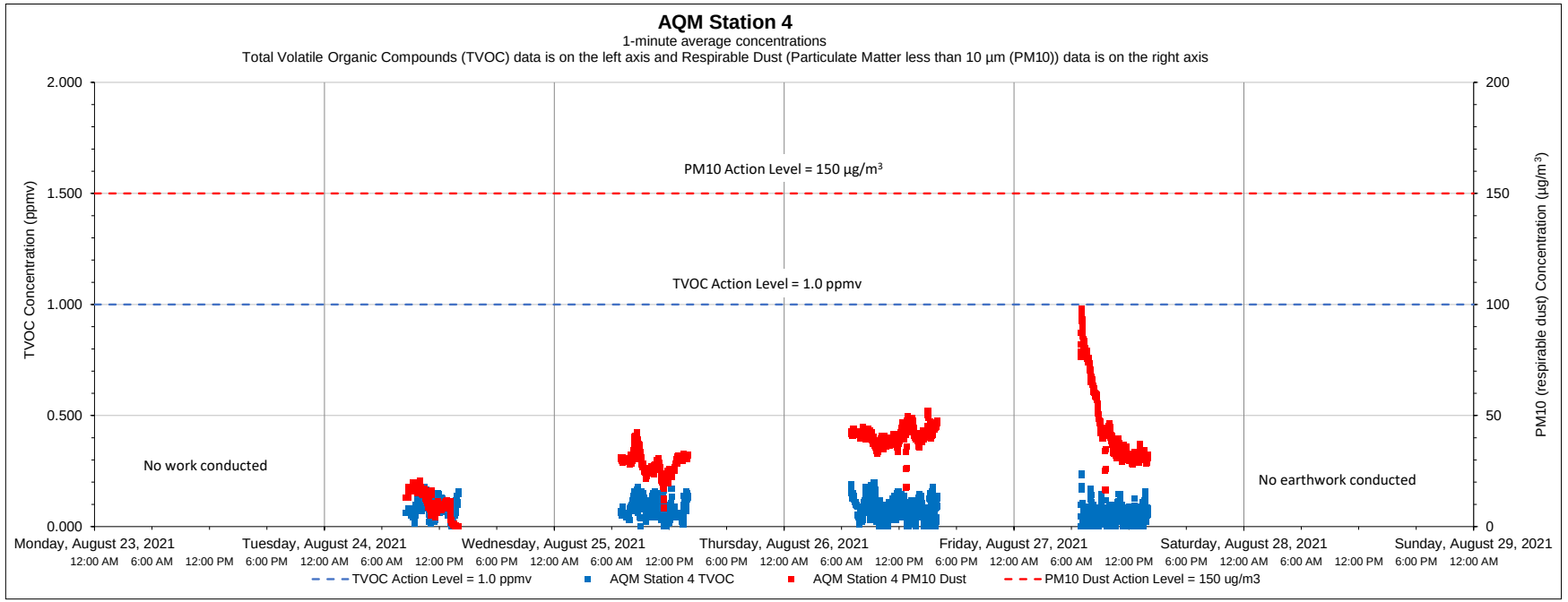

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	32.82	µg/m³
PM10 maximum concentration	98.07	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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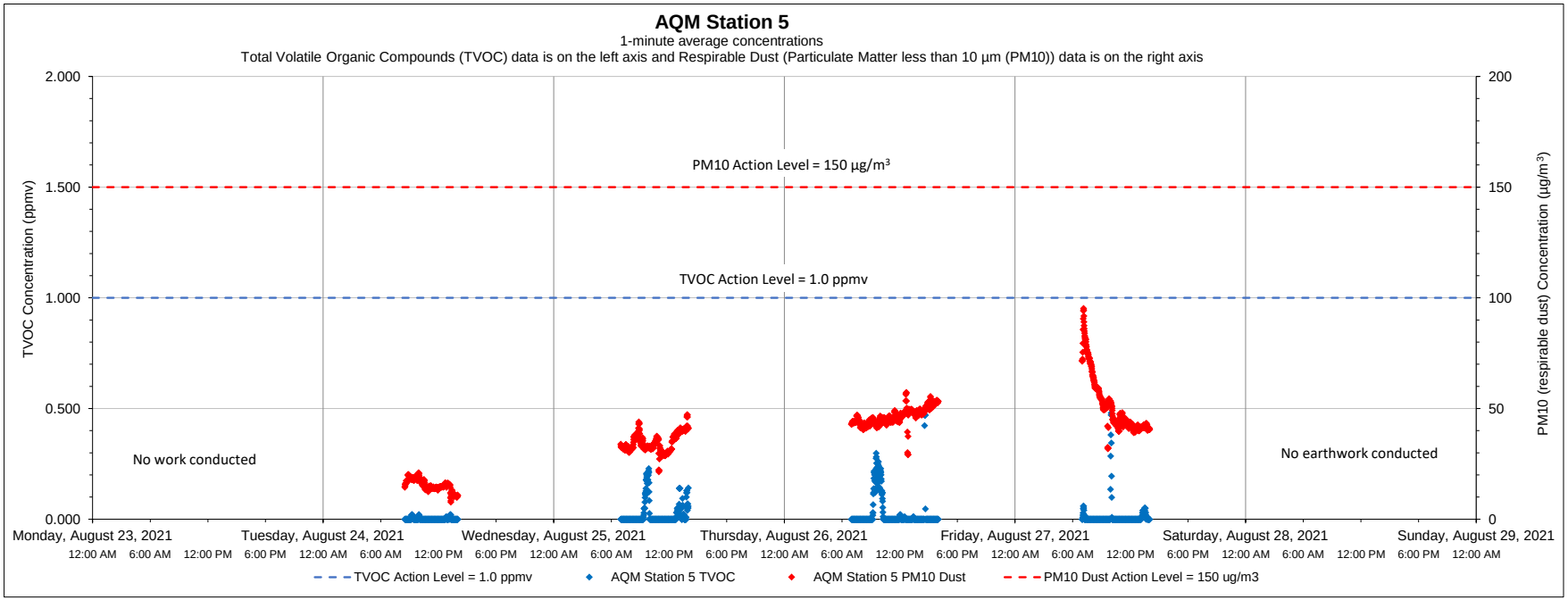

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	38.63	µg/m^3
PM10 maximum concentration	95.20	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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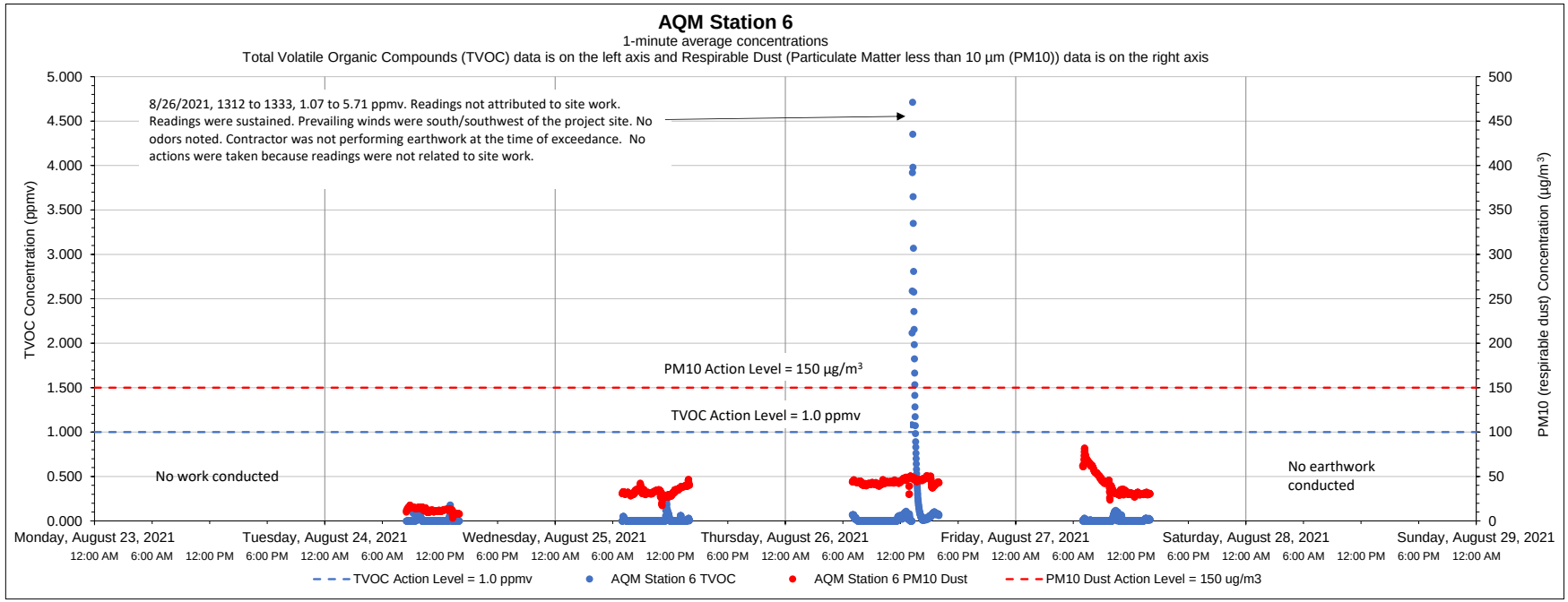

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
8/26/2021	13:12 to 13:33	TVOC	1.07-5.71 ppmv	No actions taken because not attributed to site work.
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	4.71	ppm
TVOCs action level	1	ppm
PM10 average concentration	34.46	µg/m³
PM10 maximum concentration	82.24	µg/m³
PM10 action level	150	µg/m³

Notes:

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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9/06/2021

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STRAP Perimeter Air Quality Monitoring (AQM)

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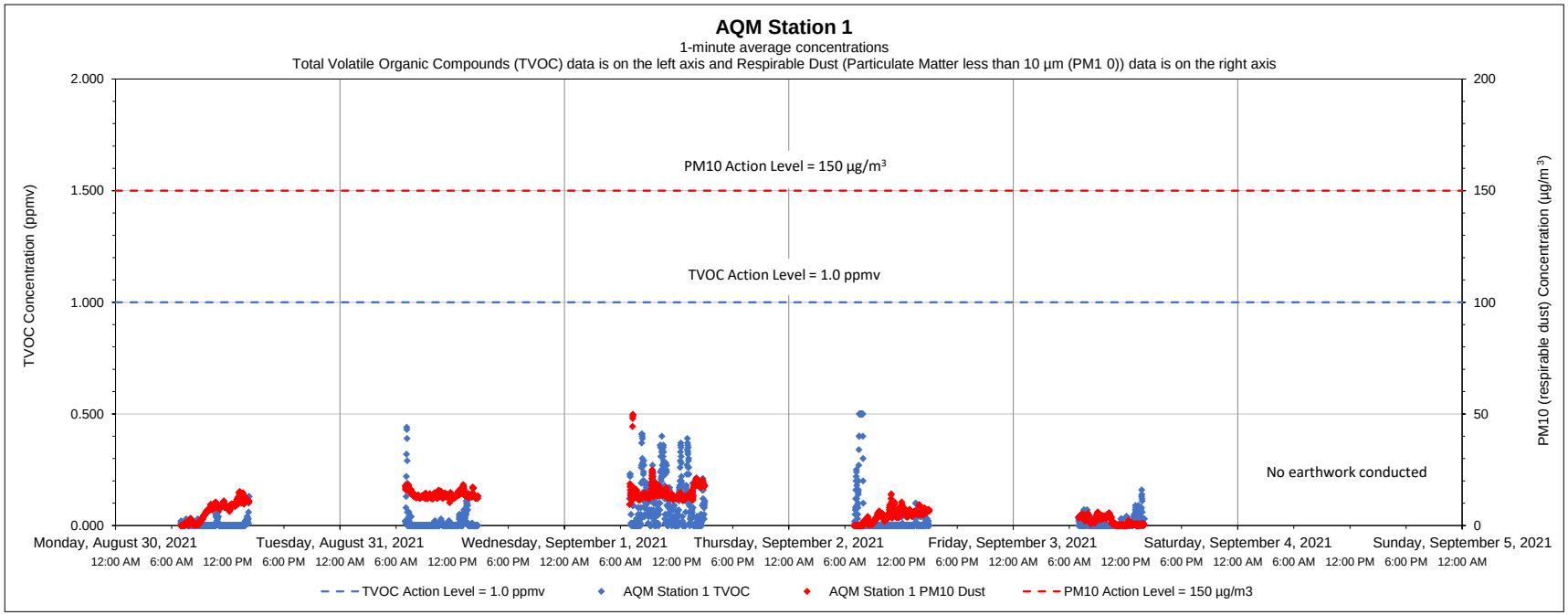

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.50	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.45	µg/m^3
PM10 maximum concentration	49.84	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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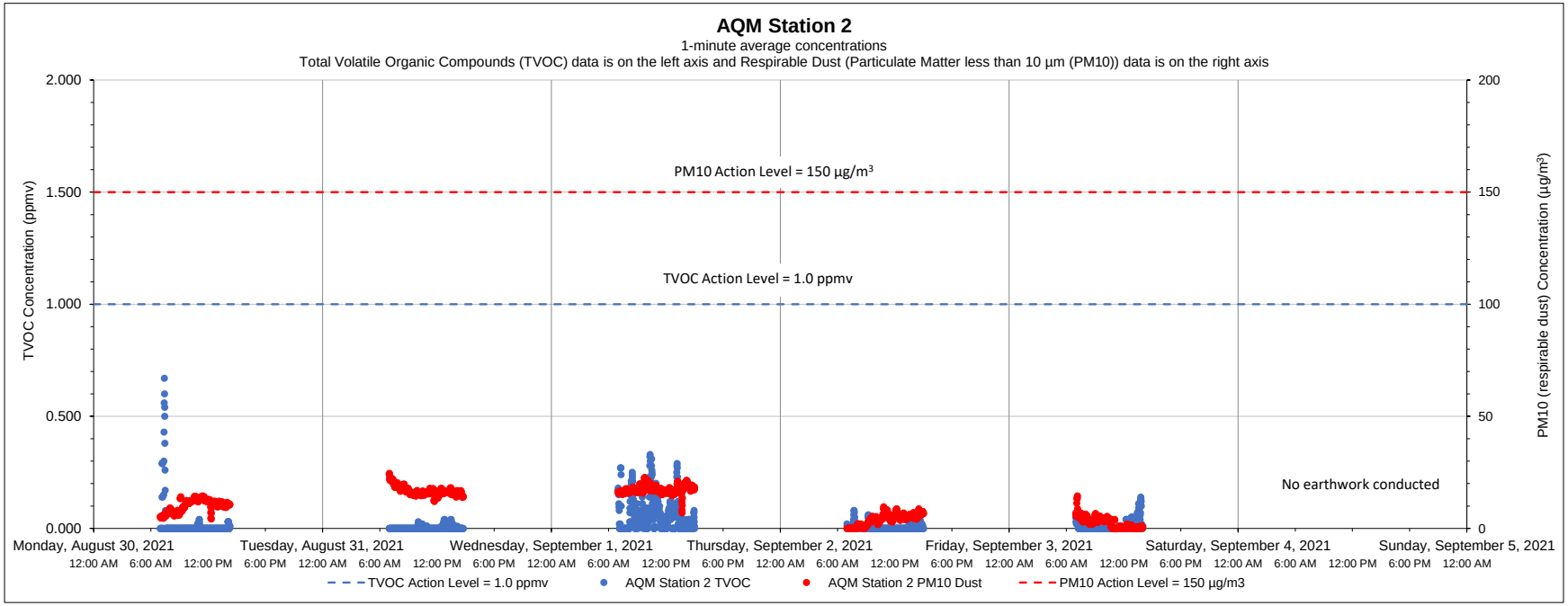

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.67	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.30	µg/m^3
PM10 maximum concentration	24.57	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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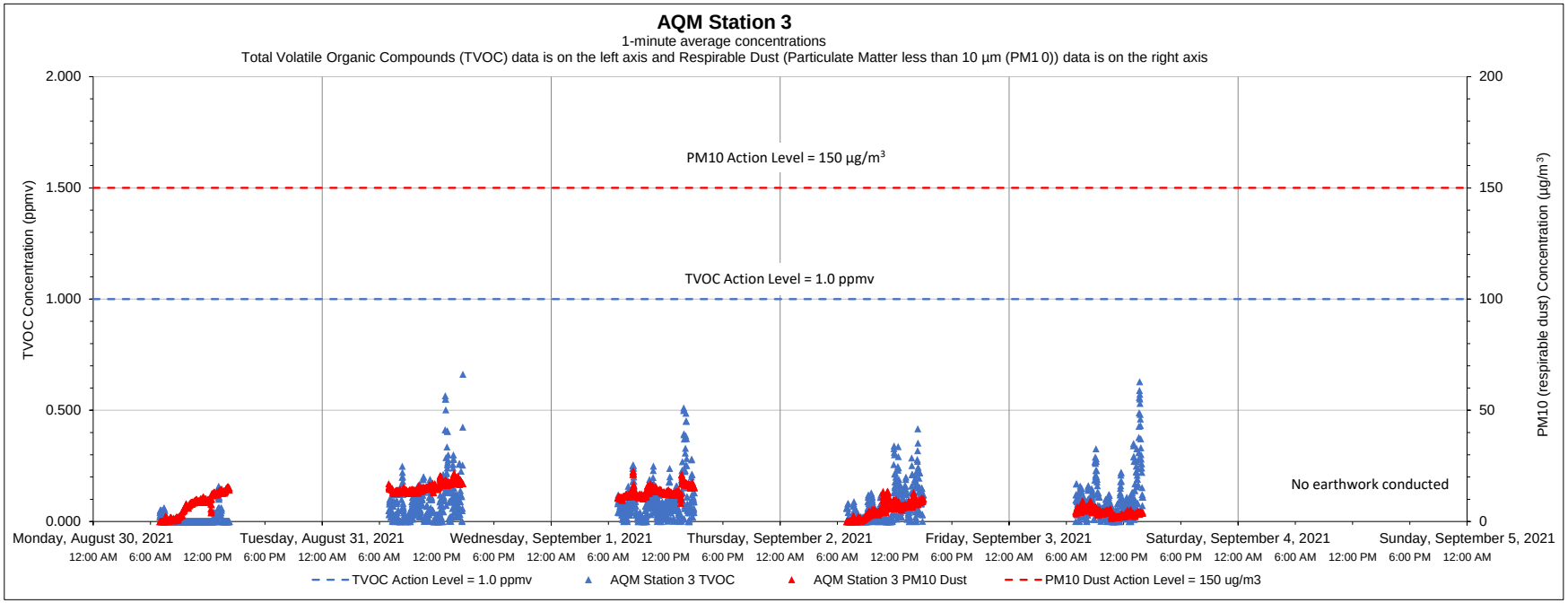

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.66	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.30	µg/m^3
PM10 maximum concentration	22.71	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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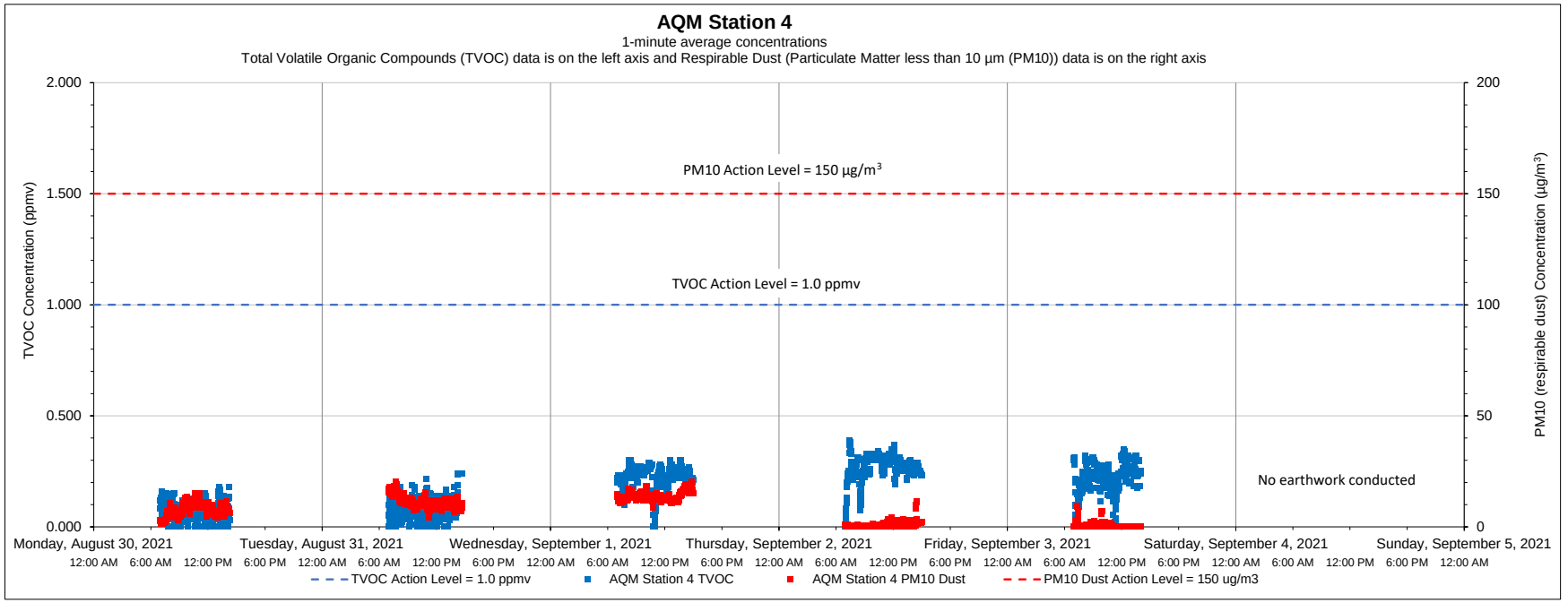

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.18	ppm
TVOCs maximum concentration	0.39	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.92	µg/m³
PM10 maximum concentration	20.42	µg/m³
PM10 action level	150	µg/m³

Notes:

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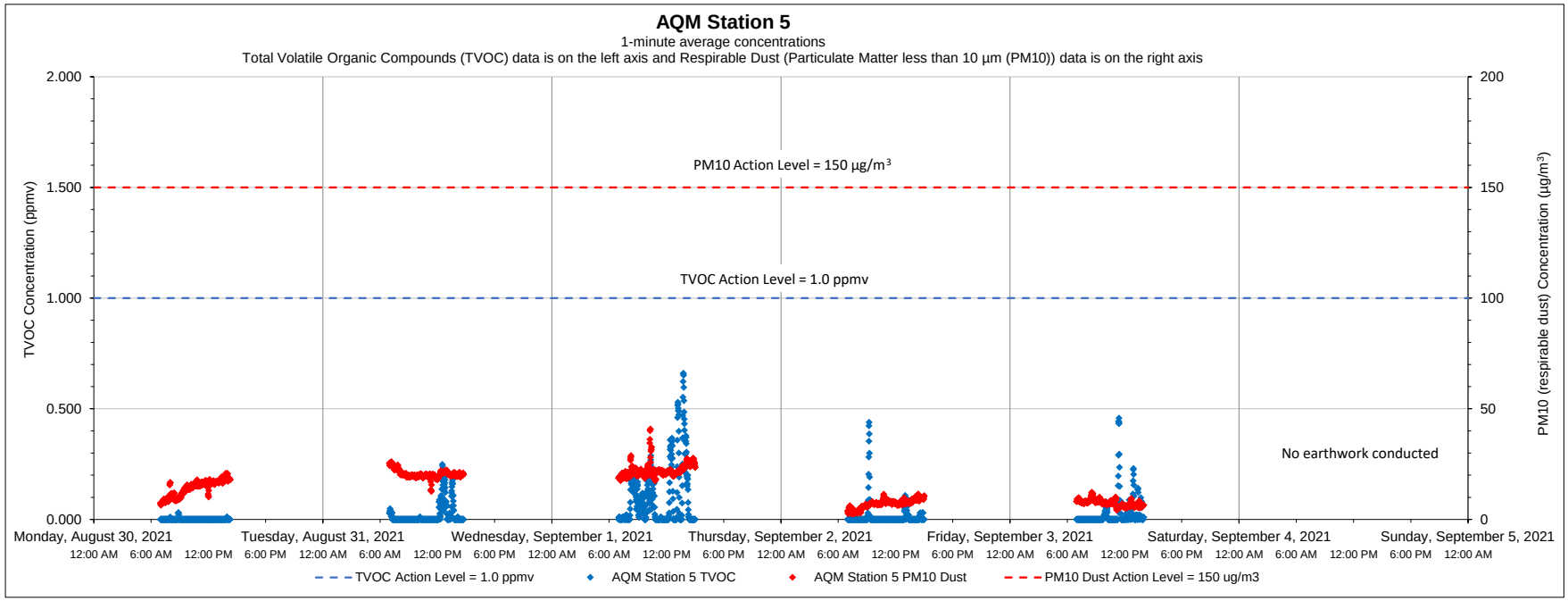

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.66	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.32	µg/m³
PM10 maximum concentration	40.82	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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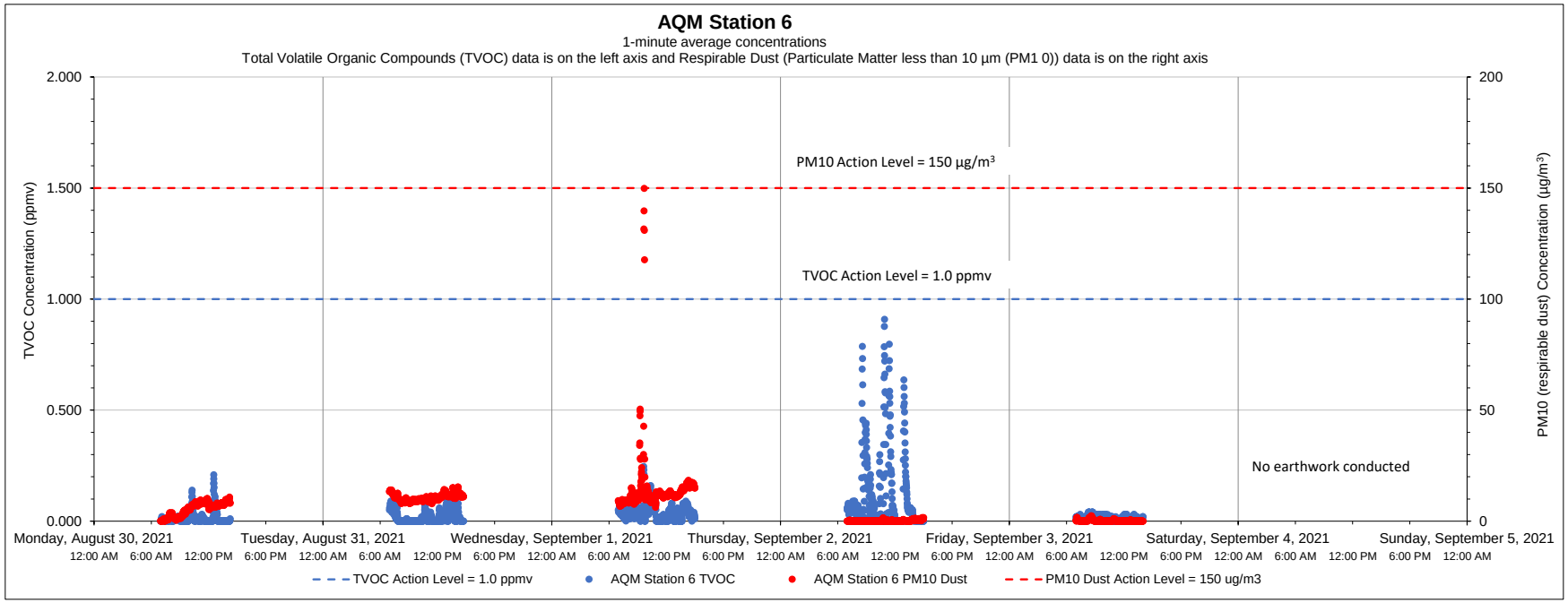

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.91	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.12	µg/m^3
PM10 maximum concentration	149.81	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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9/13/2021

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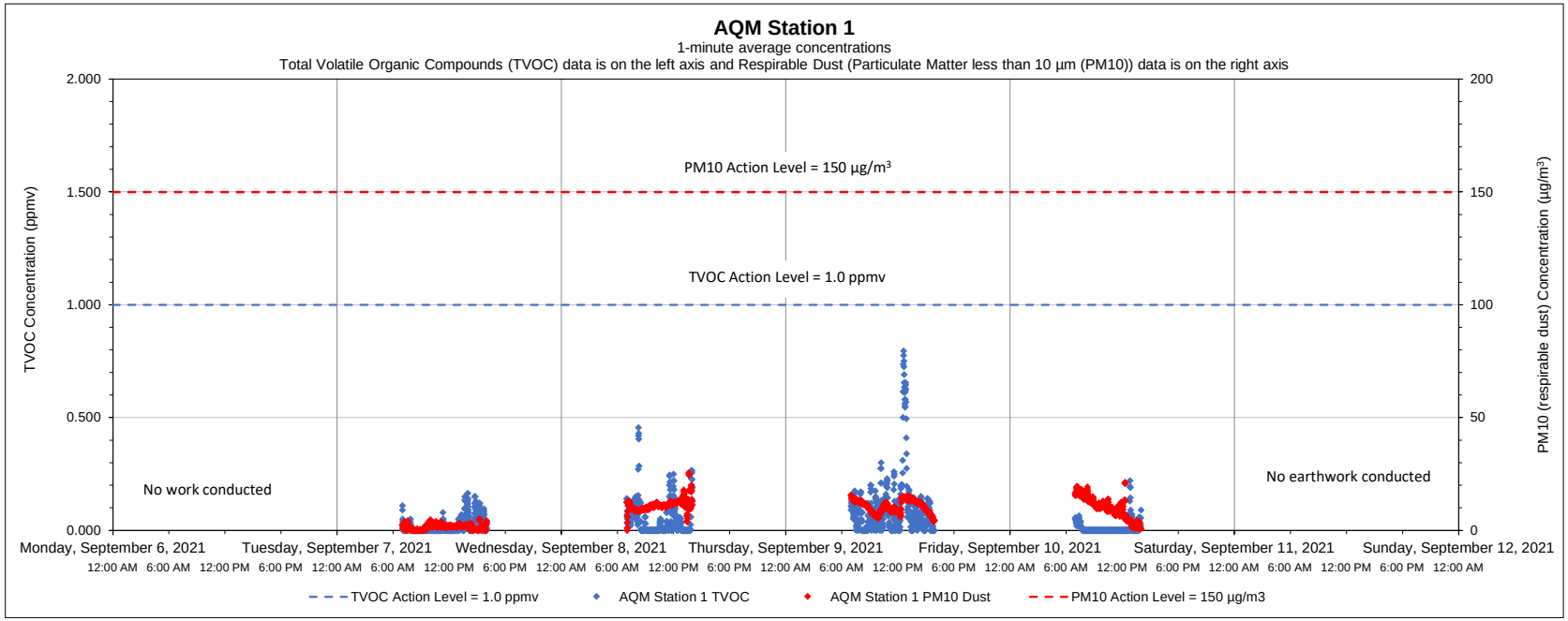


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.79	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.99	µg/m^3
PM10 maximum concentration	25.57	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

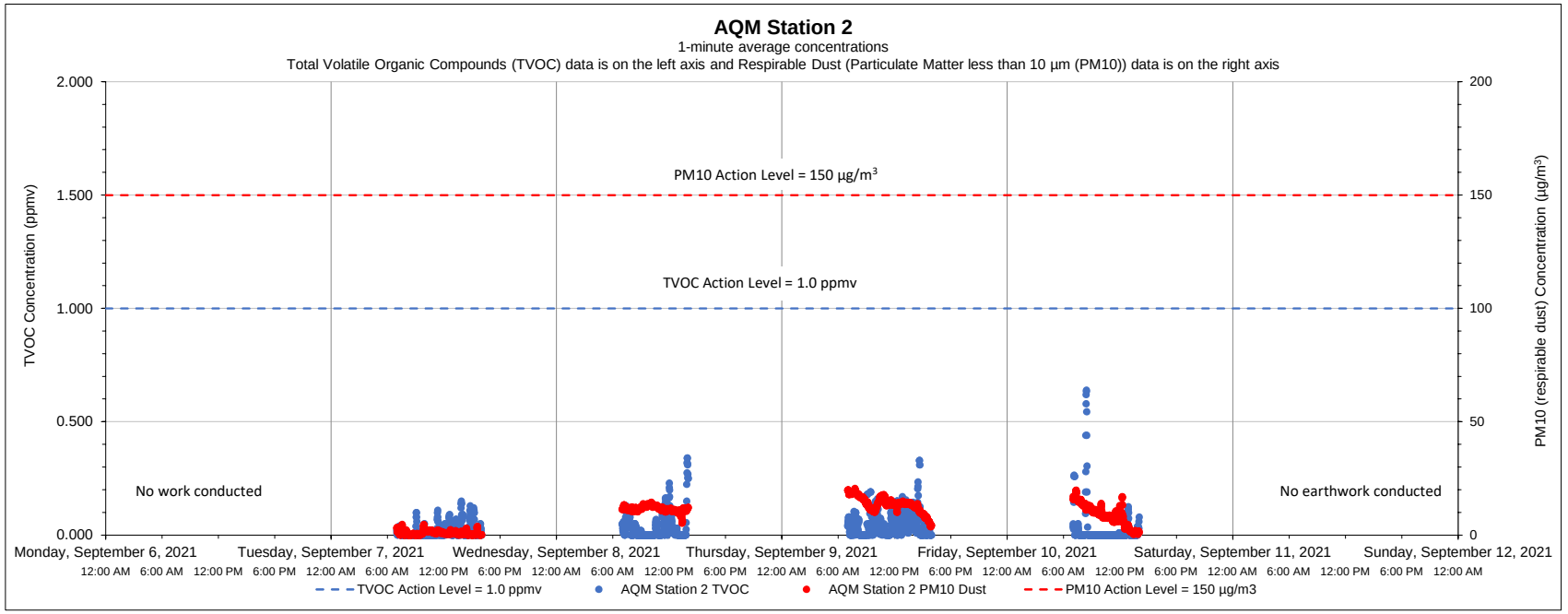
GZA Job No. 03.0033554.04

9/13/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.64	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.57	µg/m³
PM10 maximum concentration	20.60	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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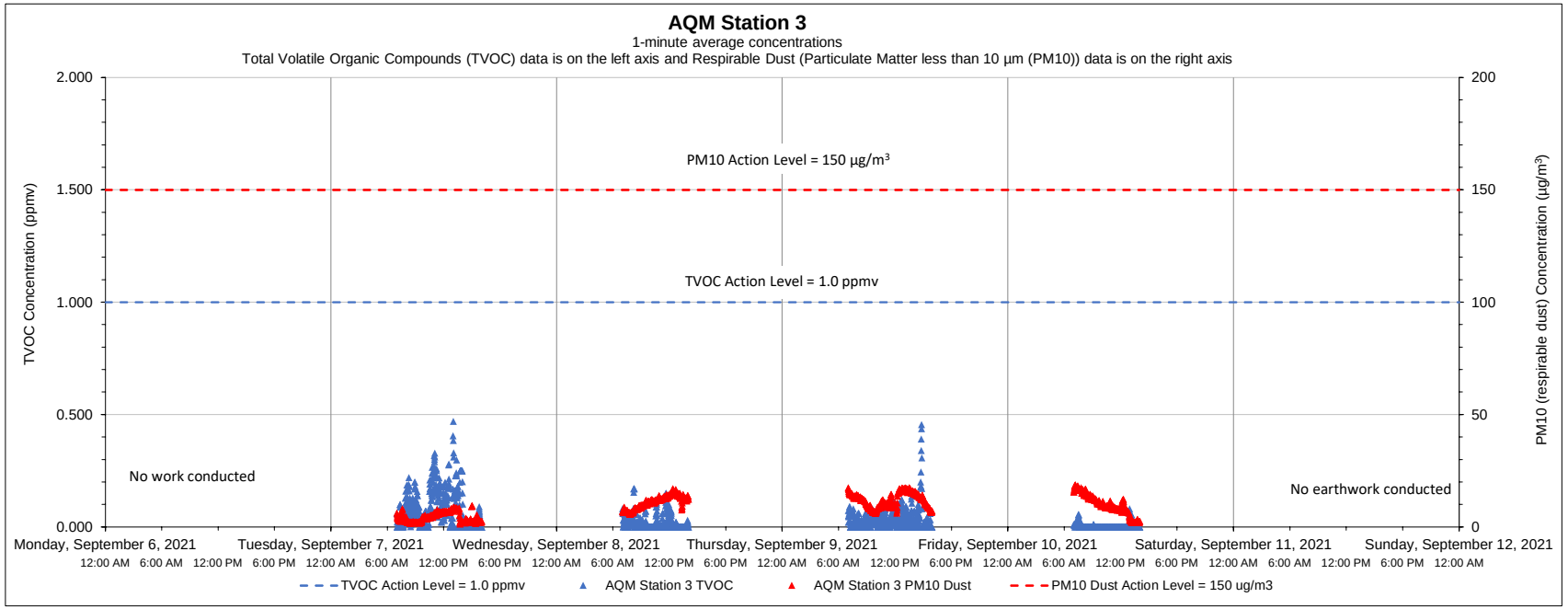

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.47	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.19	µg/m³
PM10 maximum concentration	18.62	µg/m³
PM10 action level	150	µg/m³

Notes:

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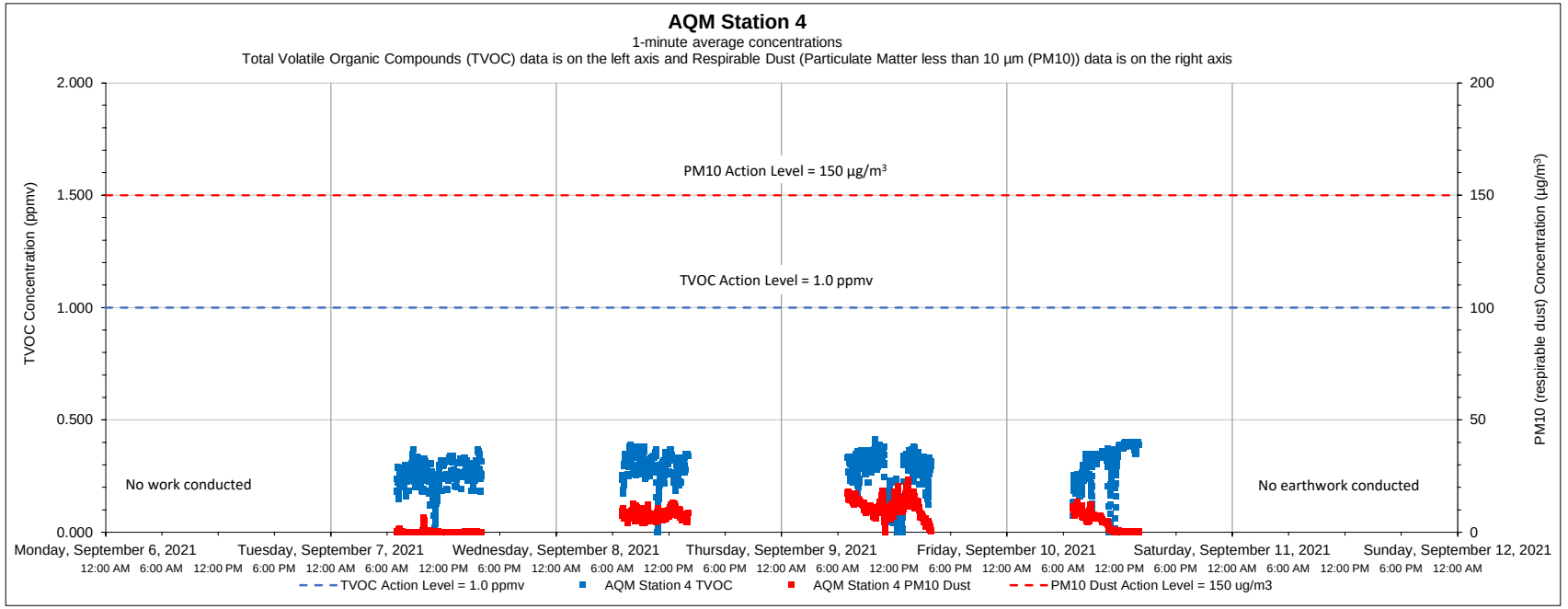

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.28	ppm
TVOCs maximum concentration	0.41	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.86	µg/m³
PM10 maximum concentration	23.20	µg/m³
PM10 action level	150	µg/m³

Notes:

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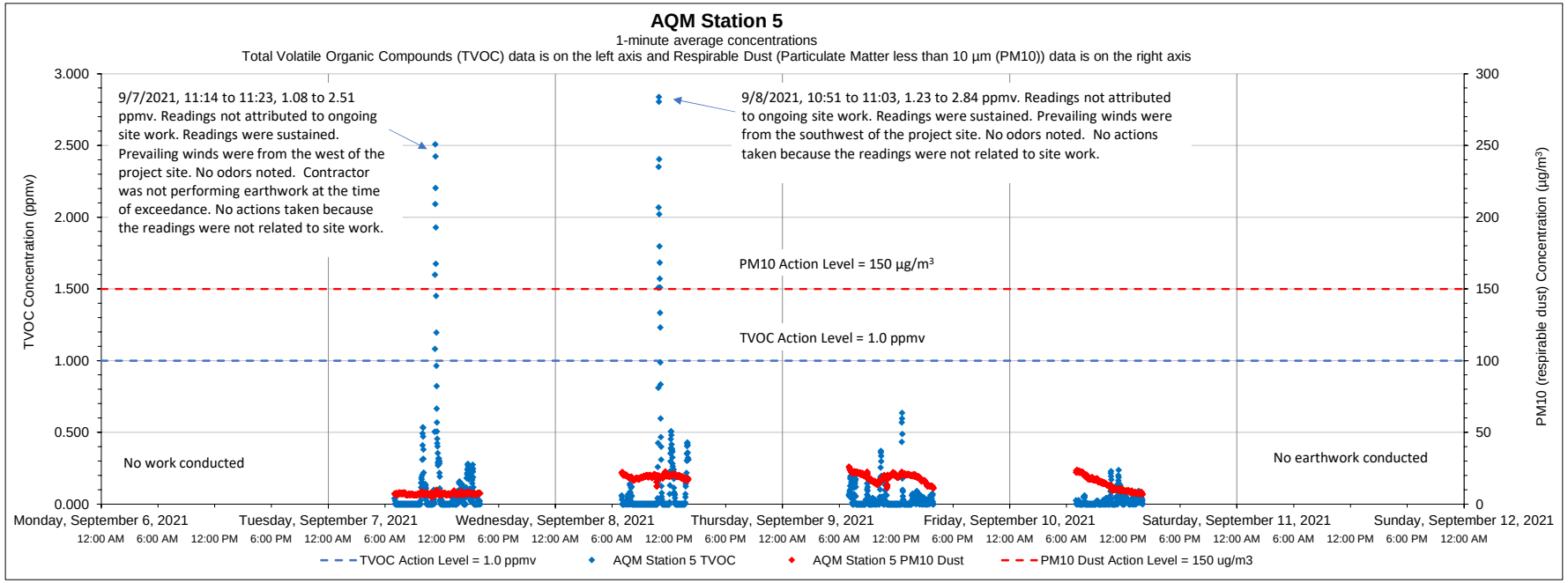

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
9/7/2021	11:14 to 11:23	TVOC	1.08 to 2.51 ppmv	No actions taken because the readings were not related to site work
9/8/2021	10:51 to 11:03	TVOC	1.23 to 2.84 ppmv	No actions taken because the readings were not related to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	2.84	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.32	µg/m³
PM10 maximum concentration	25.97	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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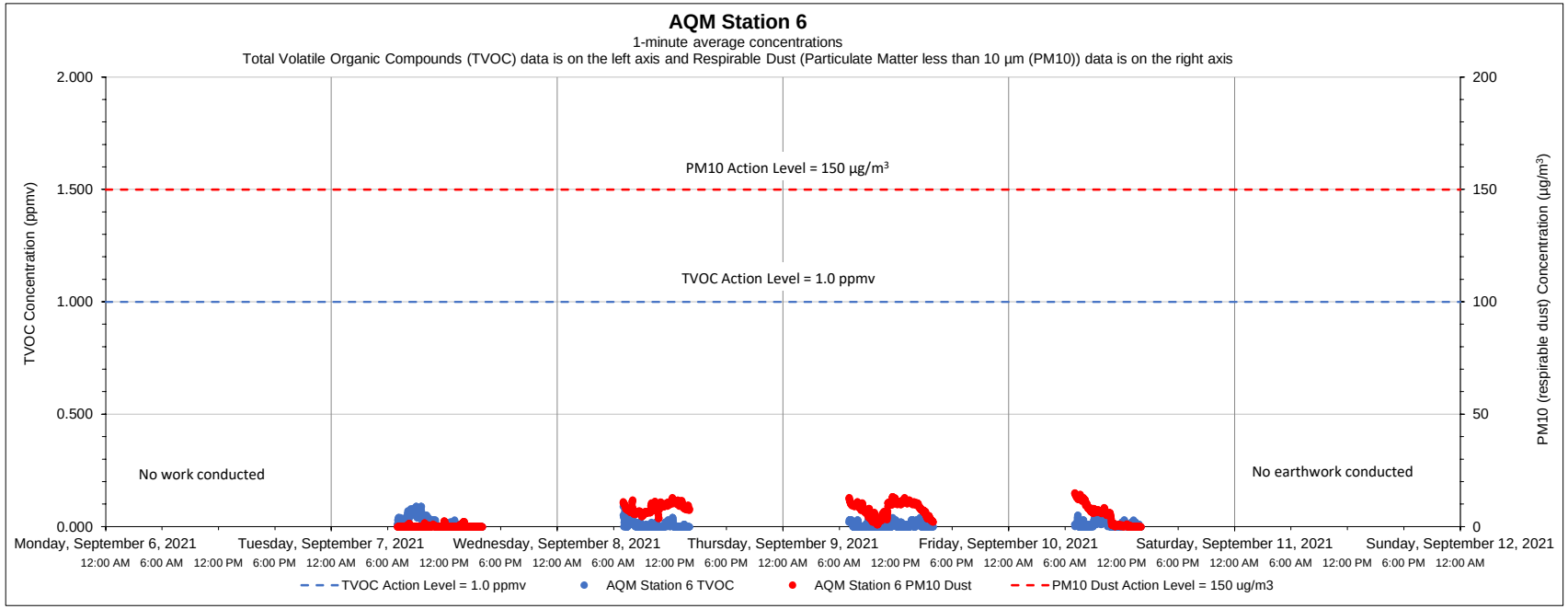

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.09	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.17	µg/m^3
PM10 maximum concentration	14.98	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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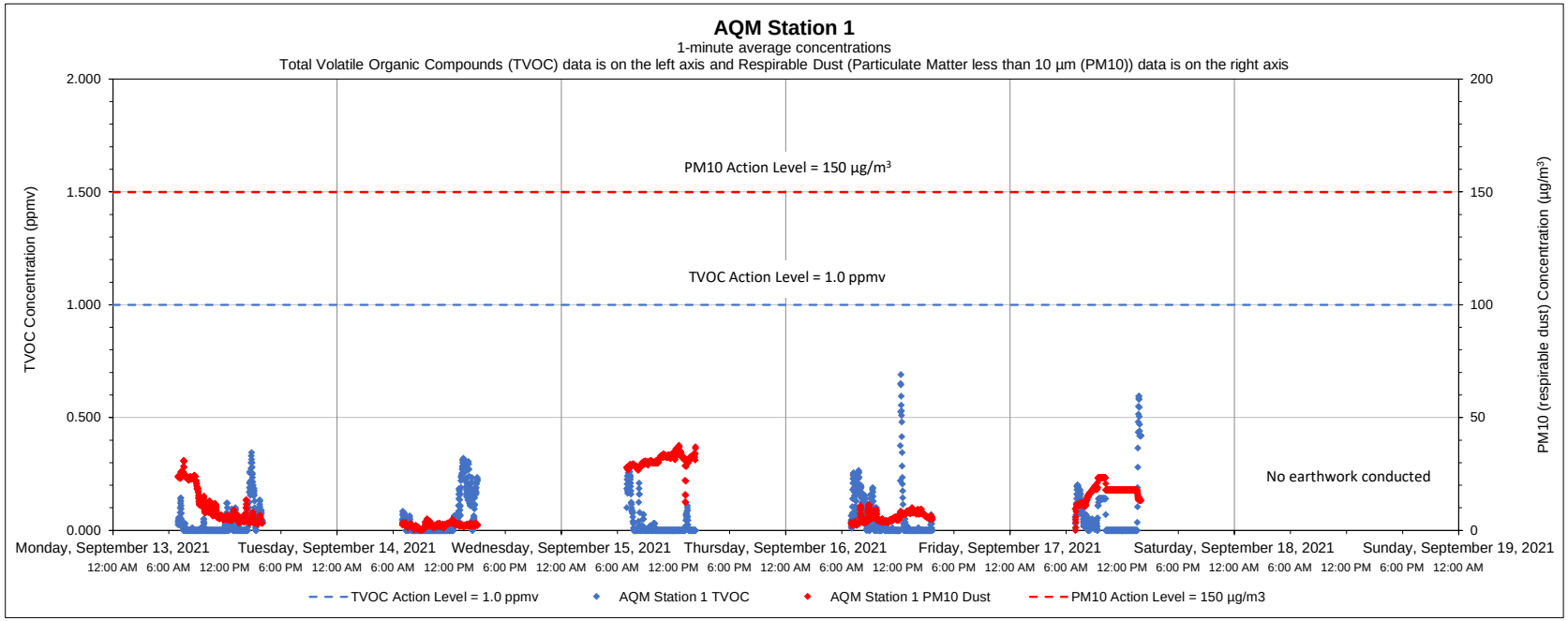

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.69	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.81	µg/m^3
PM10 maximum concentration	37.64	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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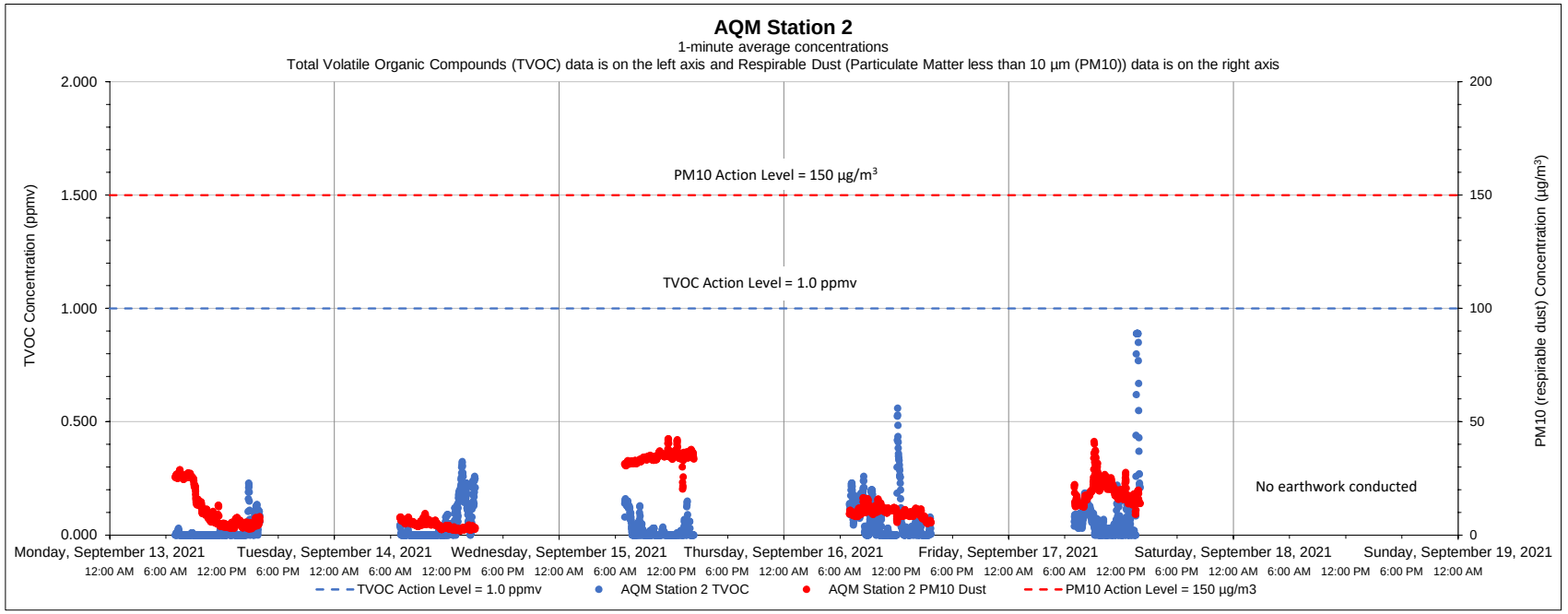

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.89	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.15	µg/m³
PM10 maximum concentration	42.44	µg/m³
PM10 action level	150	µg/m³

Notes:

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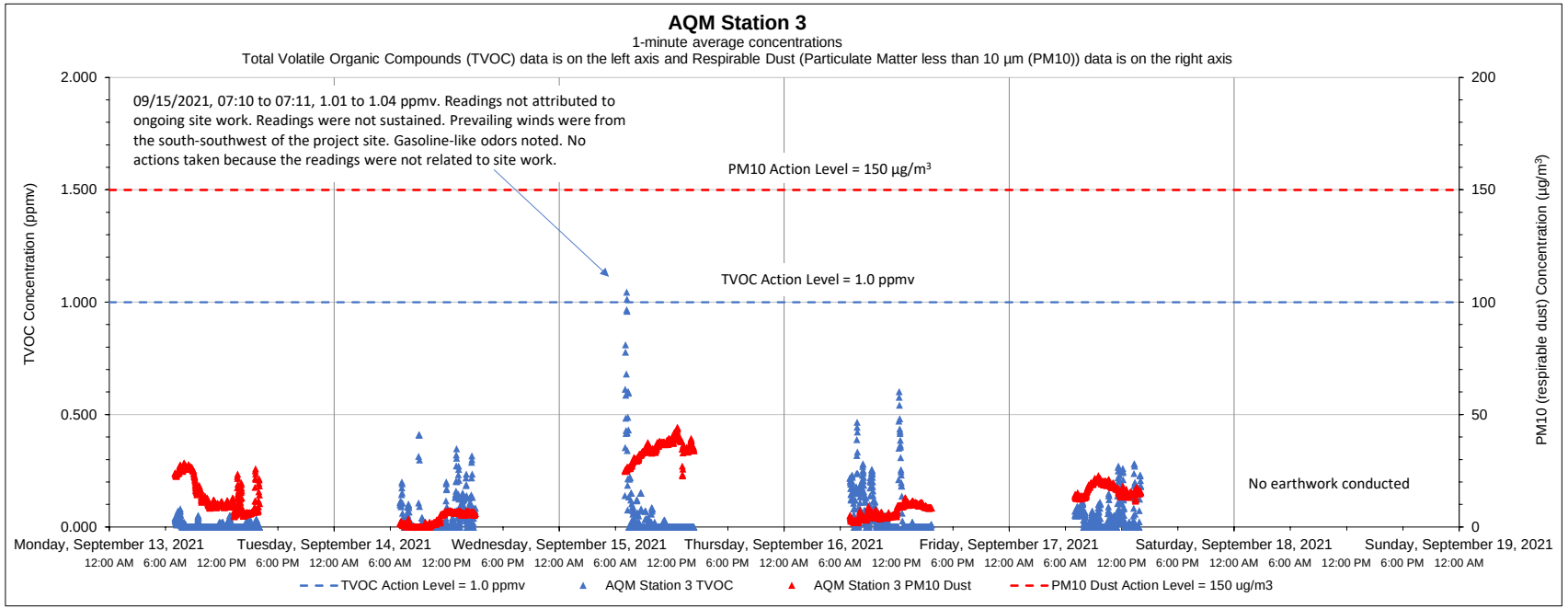

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.04	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.57	µg/m³
PM10 maximum concentration	44.22	µg/m³
PM10 action level	150	µg/m³

Notes:

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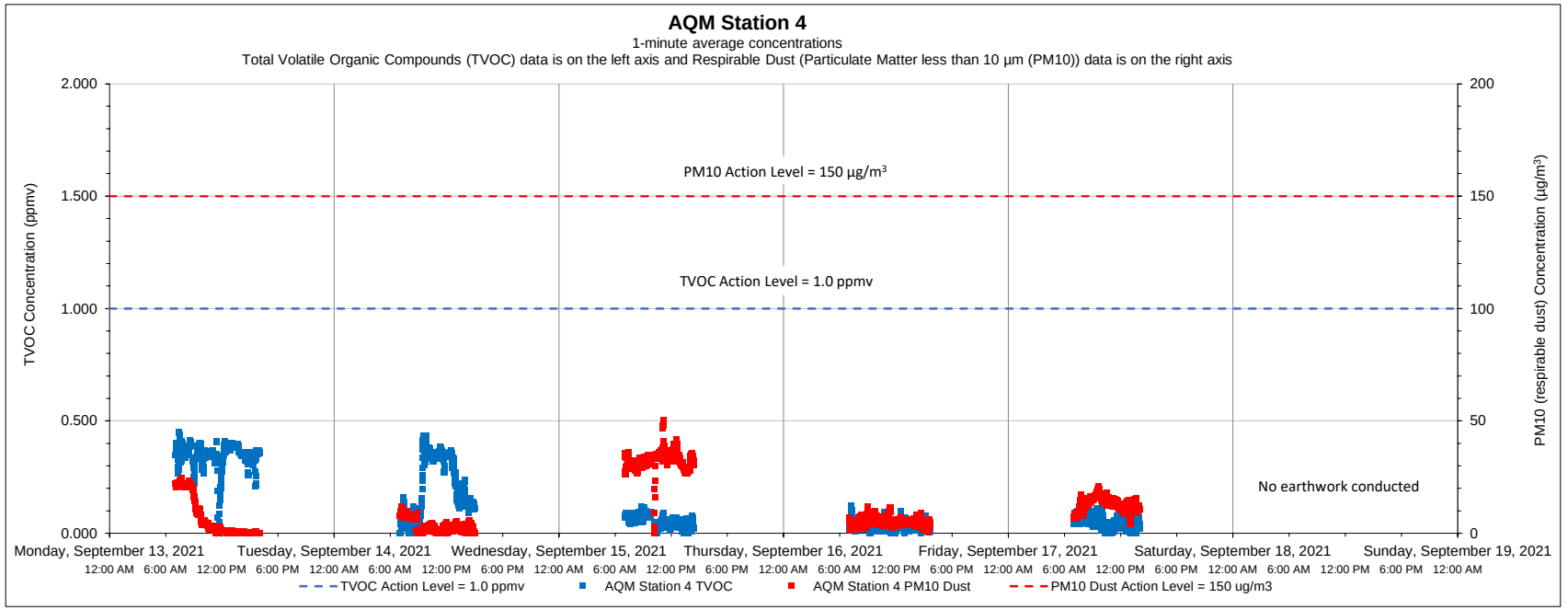

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.15	ppm
TVOCs maximum concentration	0.45	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.35	µg/m³
PM10 maximum concentration	50.34	µg/m³
PM10 action level	150	µg/m³

Notes:

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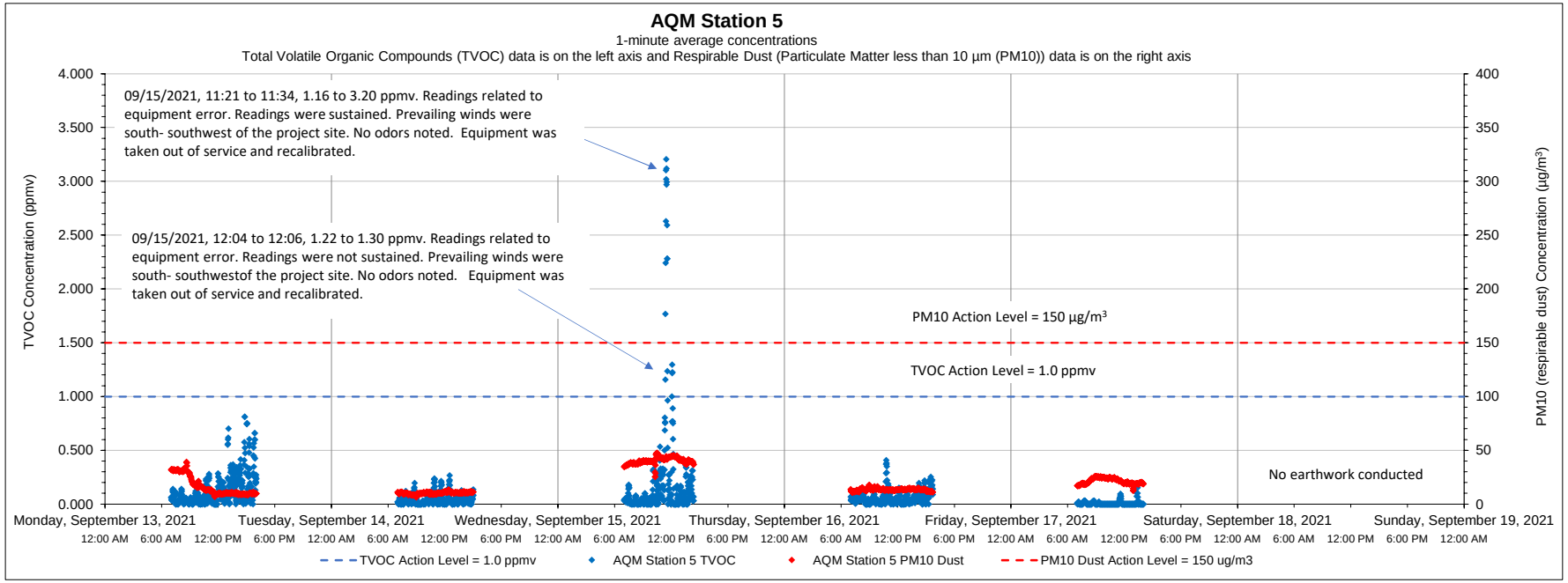

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
9/15/2021	11:21 to 11:34	TVOC	1.16 to 3.20 ppmv	Equipment was taken out of service and recalibrated
Equipment Notes				
09/15/2021- Equipment error caused sustained action level exceedances. A handheld PID was utilized to confirm that the station's readings were inaccurate, and the site was checked for odors. Equipment temporarily removed from service and recalibrated.				

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	3.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	19.66	µg/m³
PM10 maximum concentration	47.46	µg/m³
PM10 action level	150	µg/m³

Notes:

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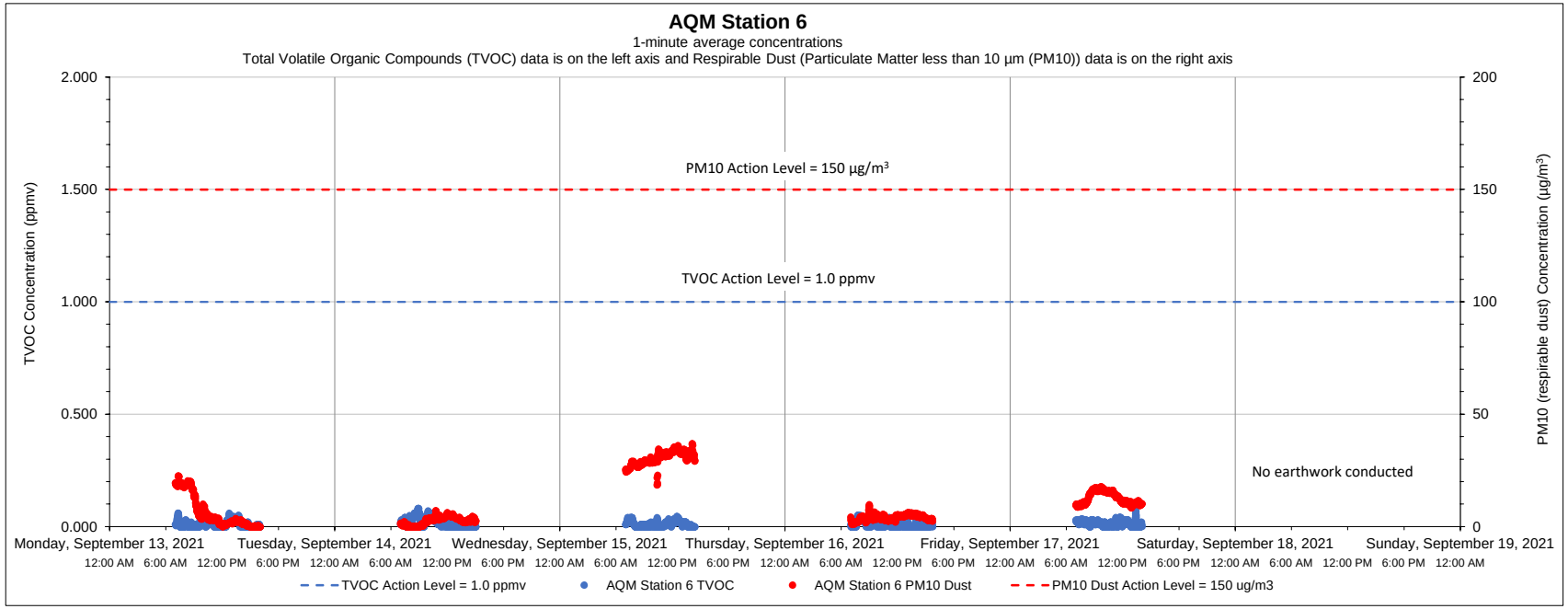

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.08	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.57	µg/m^3
PM10 maximum concentration	36.90	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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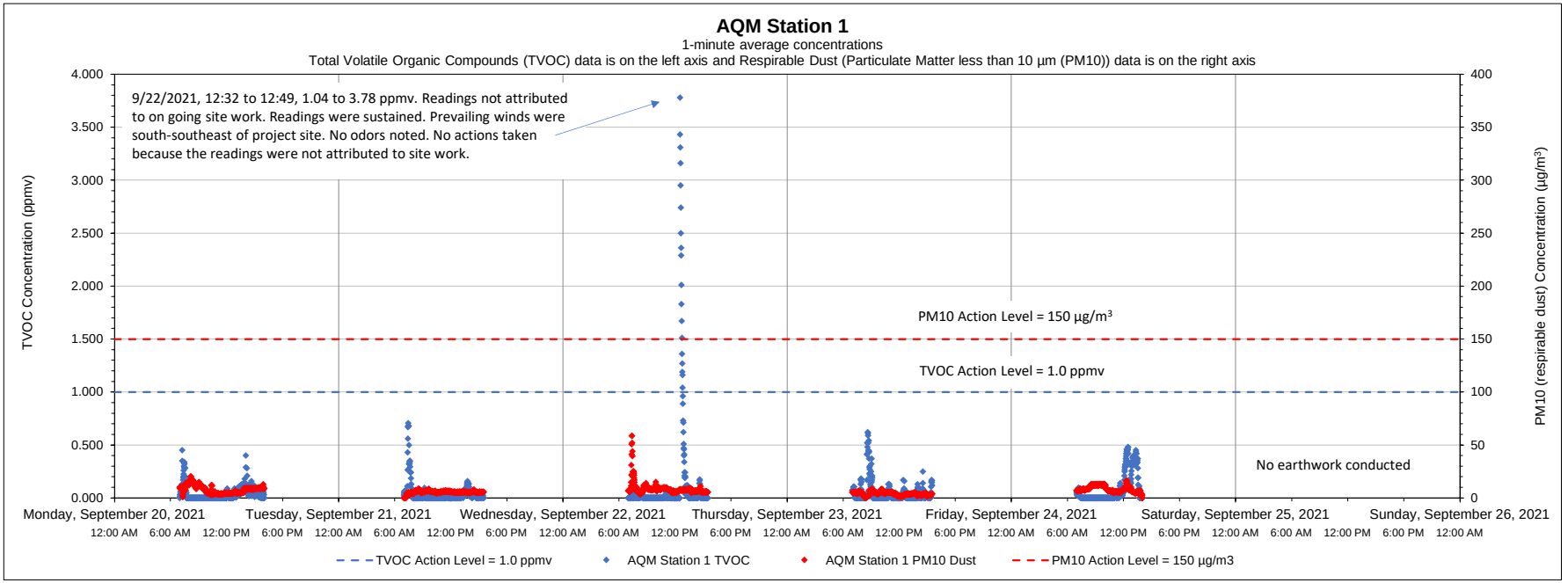

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
9/22/2021	12:32 to 12:49	TVOC	1.04 to 3.78 ppmv	No actions taken because the readings were not attributed to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	3.78	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.80	µg/m³
PM10 maximum concentration	58.76	µg/m³
PM10 action level	150	µg/m³

Notes:

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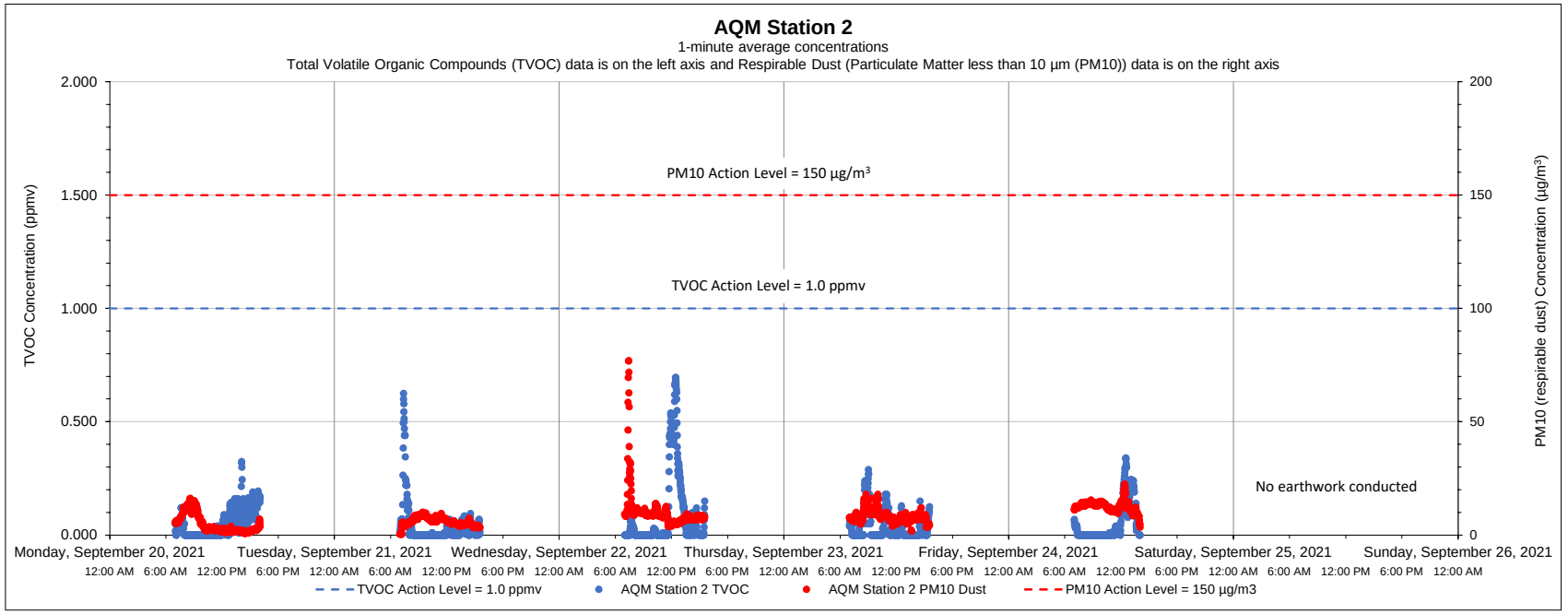

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.69	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.04	µg/m^3
PM10 maximum concentration	76.98	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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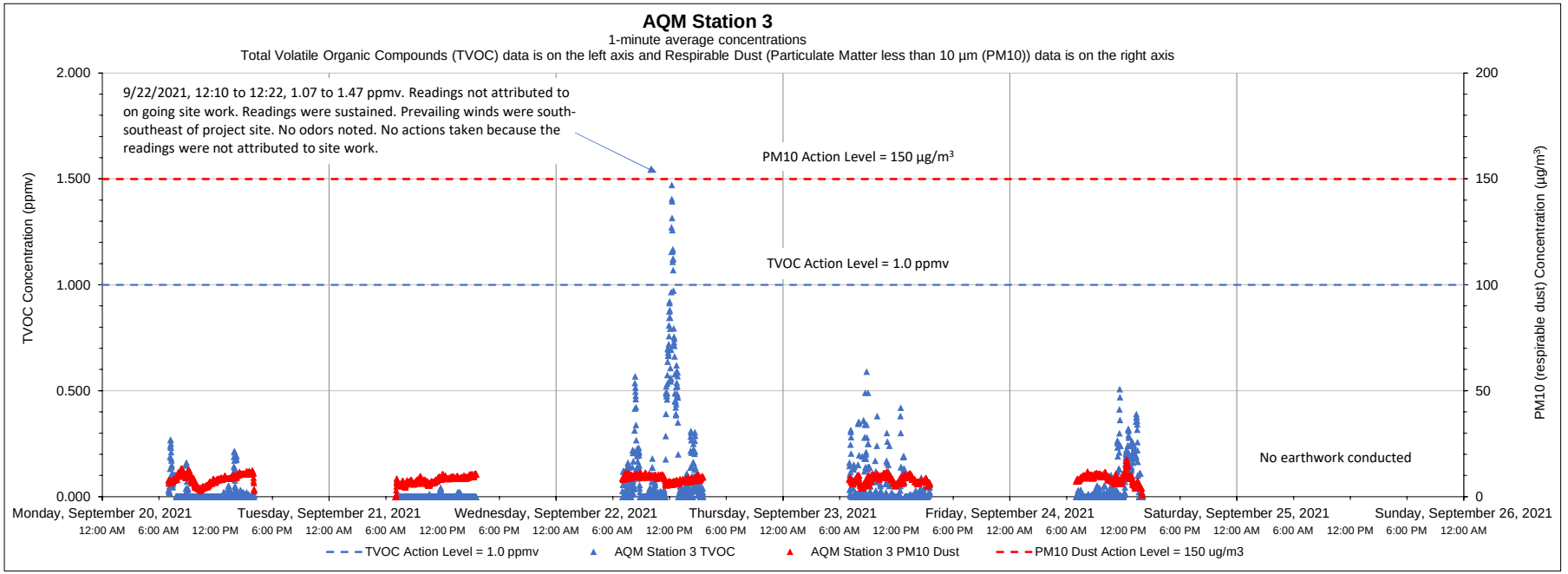

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
9/22/2021	12:10 to 12:22	TVOC	1.07 to 1.47 ppmv	No actions taken because the readings were not attributed to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.47	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.36	µg/m^3
PM10 maximum concentration	17.49	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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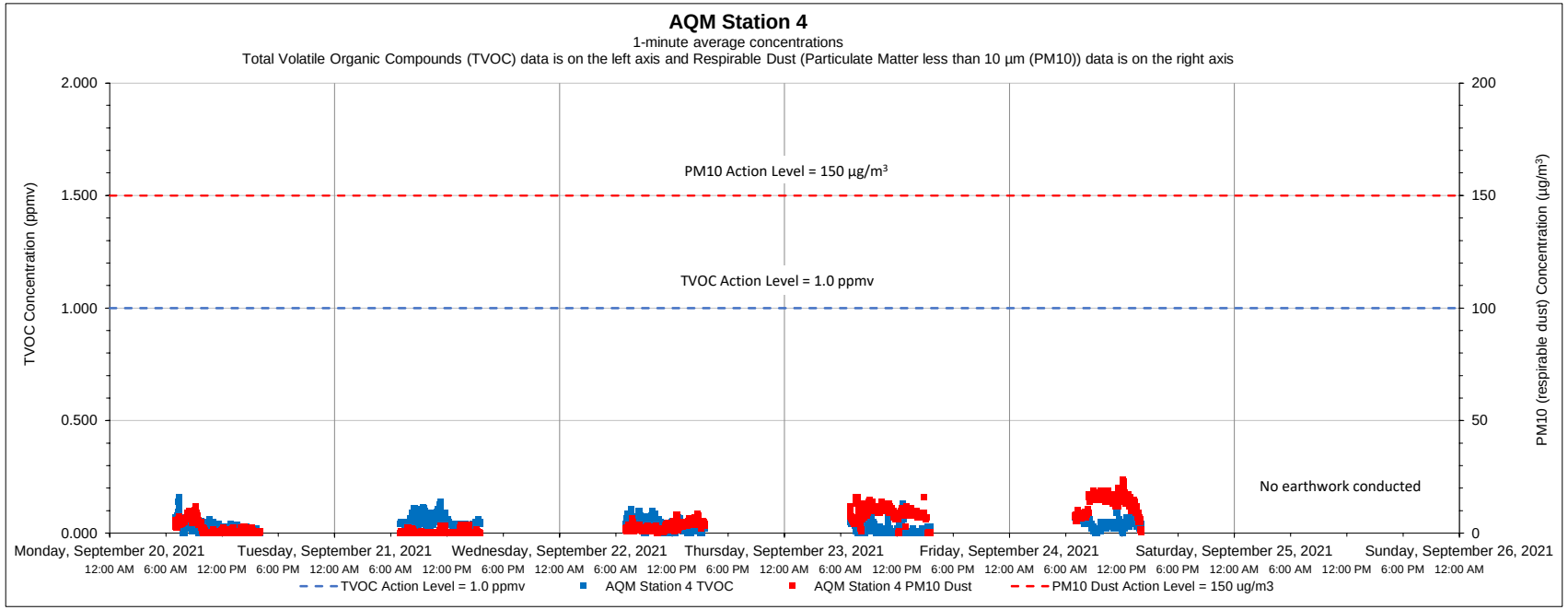

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.16	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.27	µg/m³
PM10 maximum concentration	24.00	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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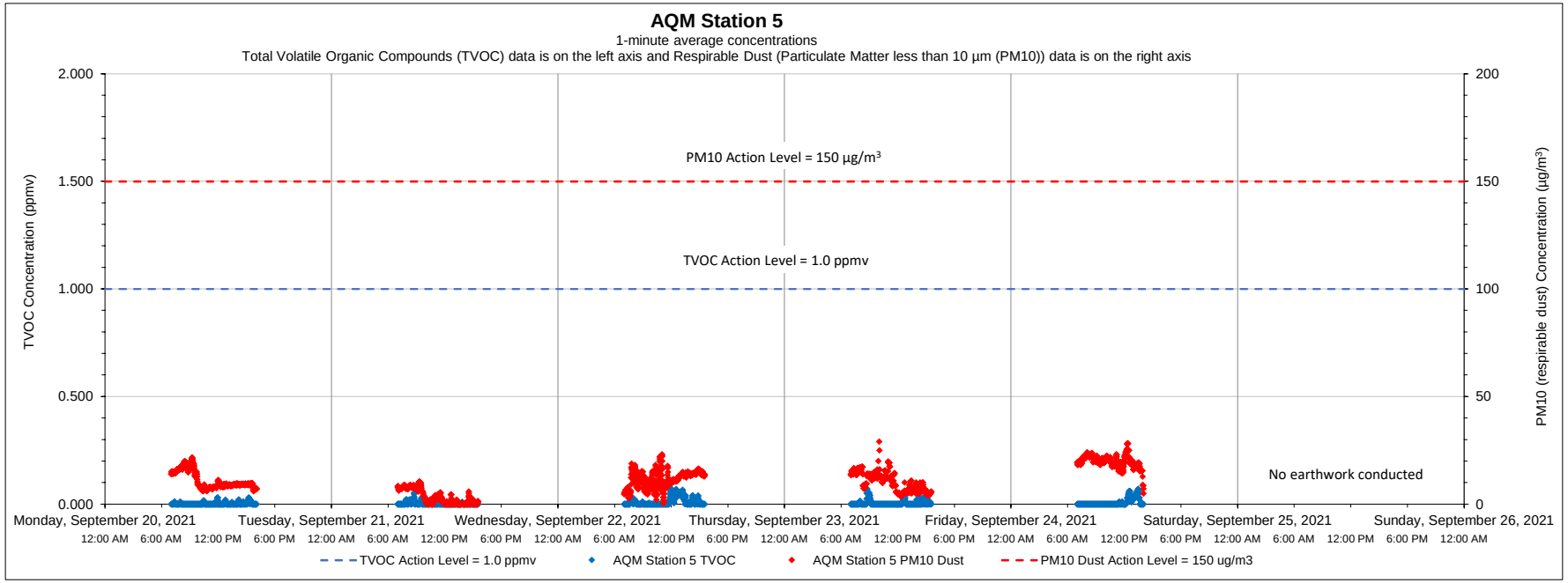

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.07	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.74	µg/m^3
PM10 maximum concentration	29.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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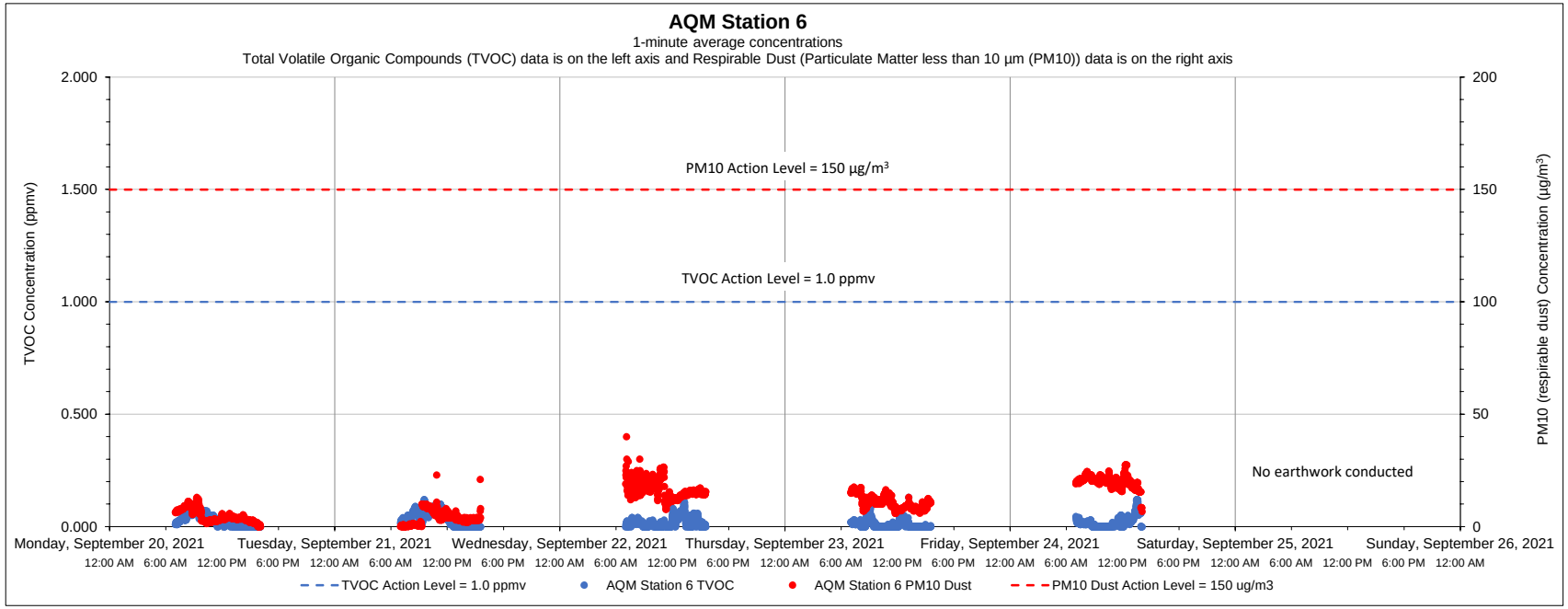

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.13	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.76	µg/m³
PM10 maximum concentration	40.00	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

GZA Job No. 03.0033554.04

10/04/2021

Liquefaction Facility Project -

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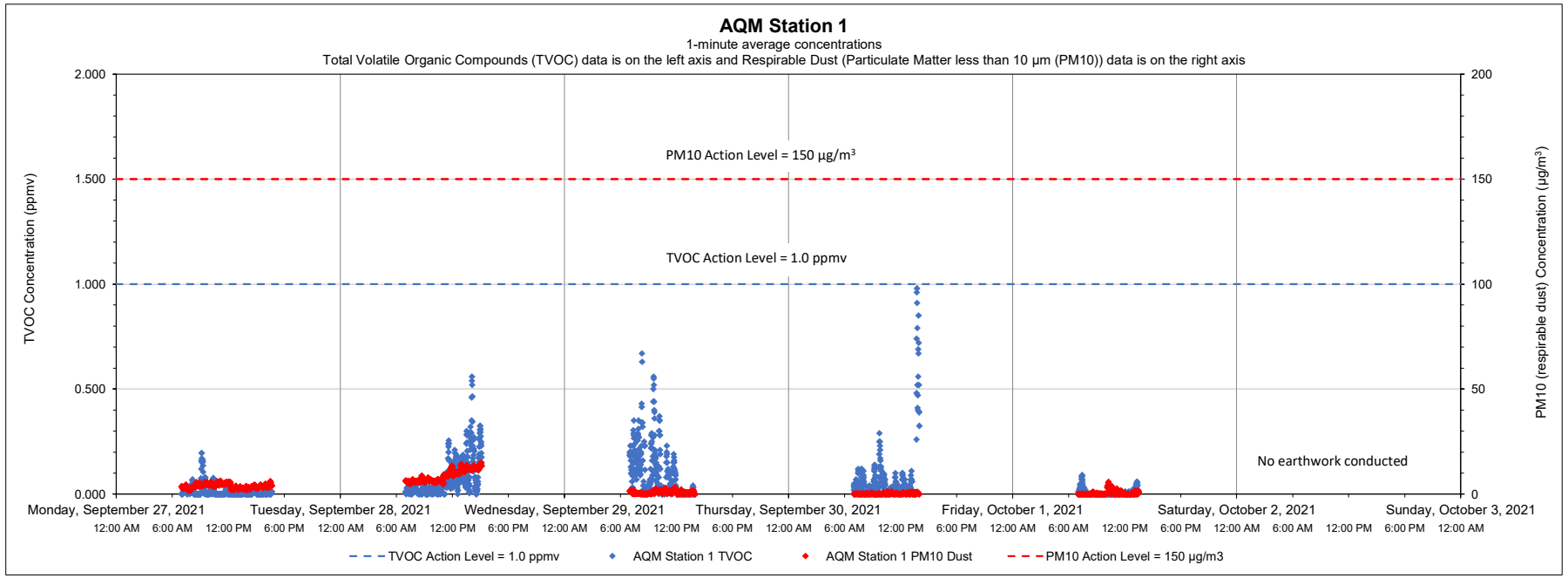

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.98	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.07	µg/m³
PM10 maximum concentration	14.83	µg/m³
PM10 action level	150	µg/m³

Notes:

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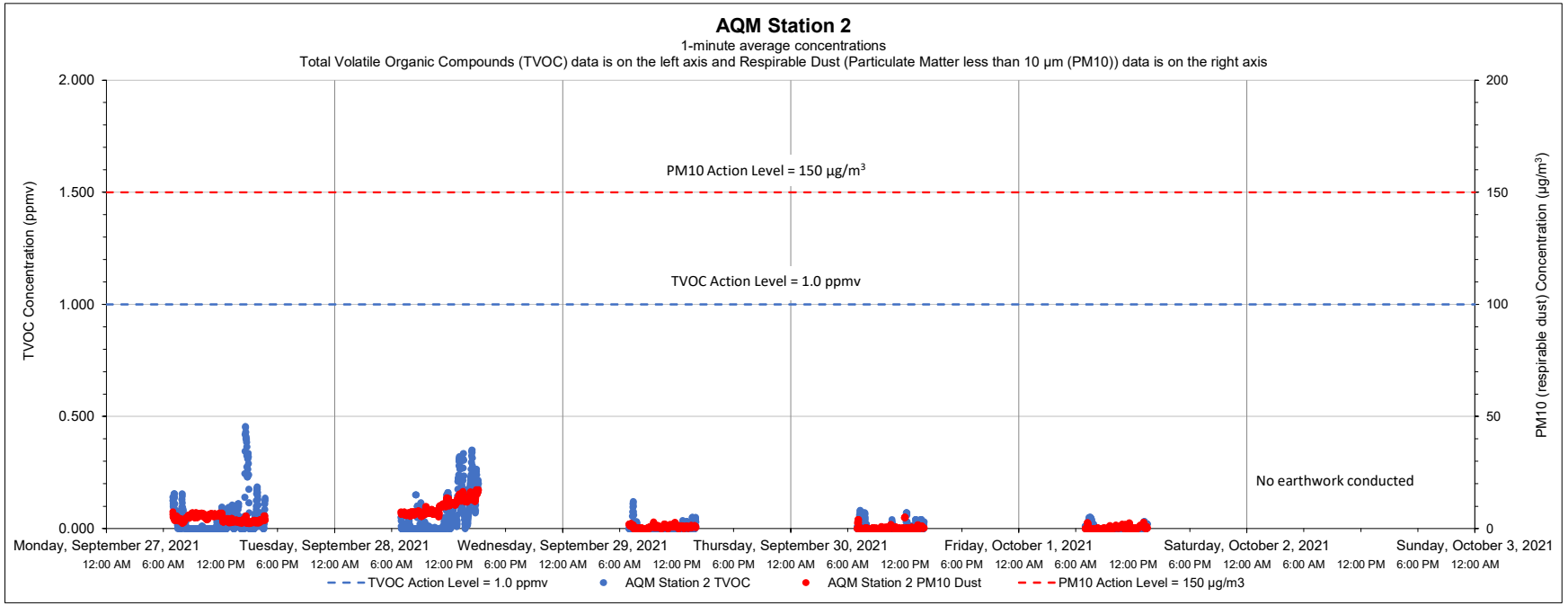

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.45	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.43	µg/m³
PM10 maximum concentration	17.30	µg/m³
PM10 action level	150	µg/m³

Notes:

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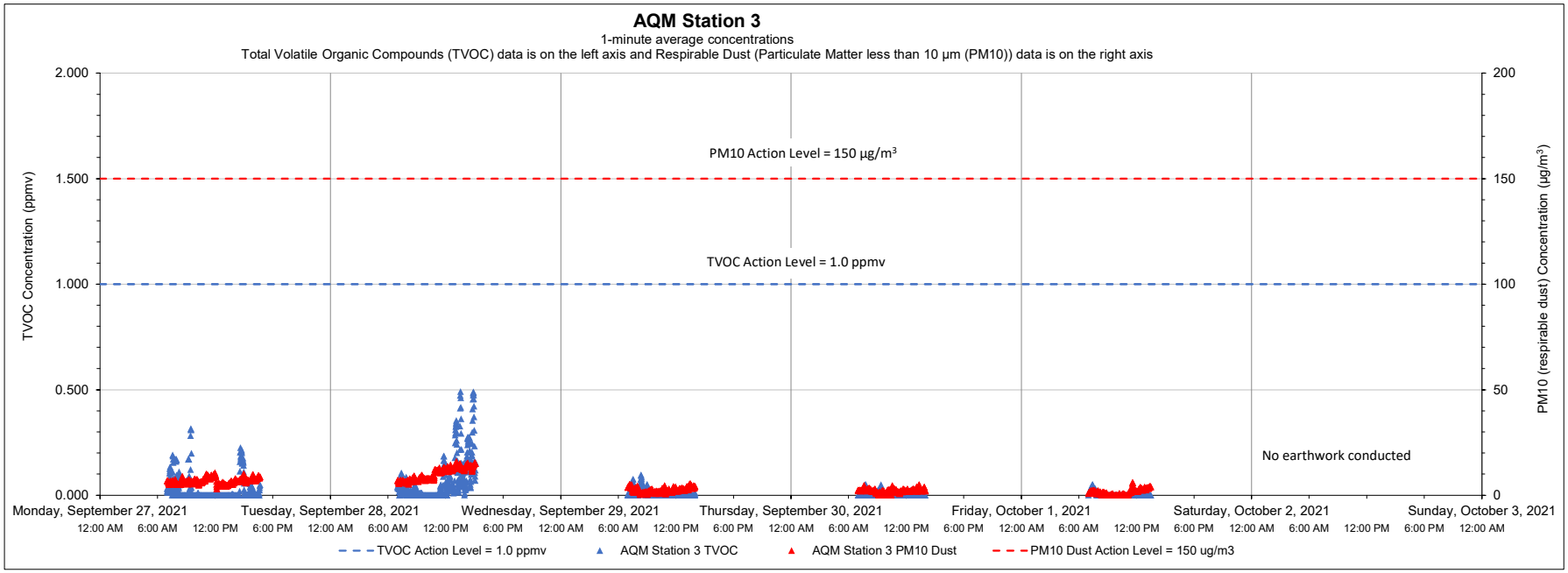

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.49	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.96	µg/m^3
PM10 maximum concentration	16.08	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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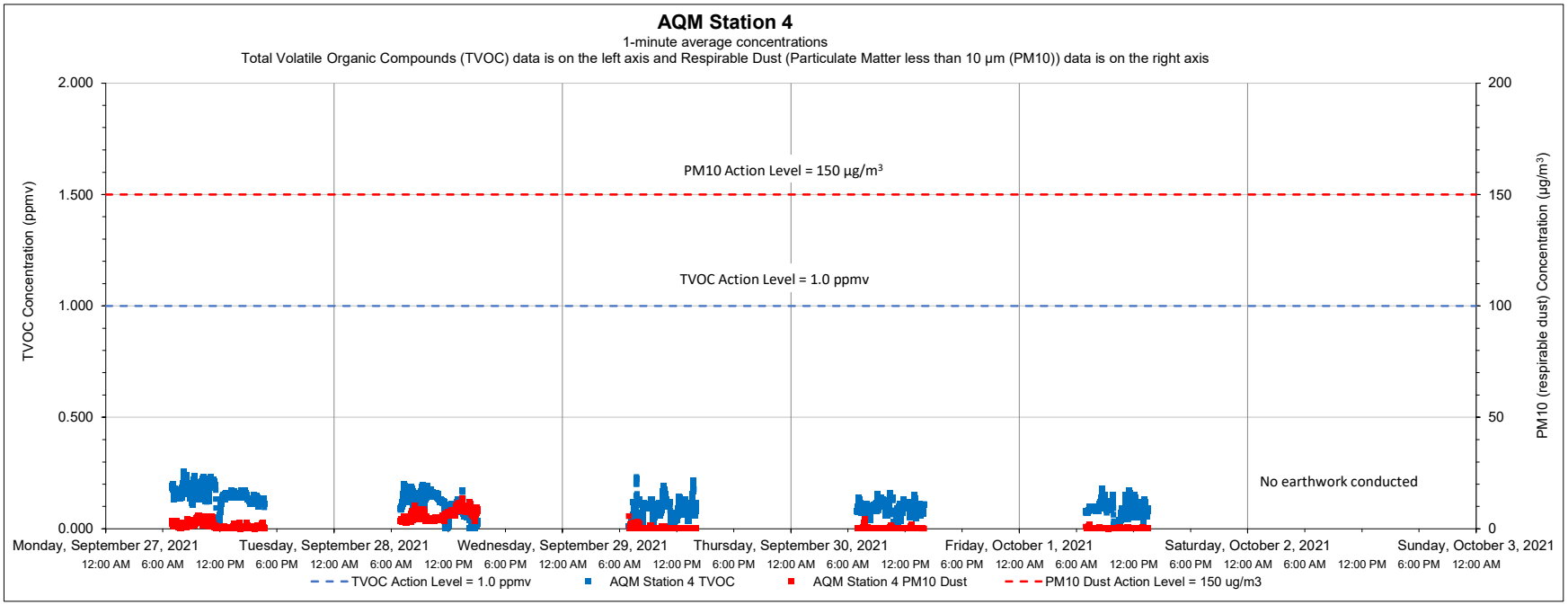

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.11	ppm
TVOCs maximum concentration	0.26	ppm
TVOCs action level	1	ppm
PM10 average concentration	1.76	µg/m^3
PM10 maximum concentration	13.62	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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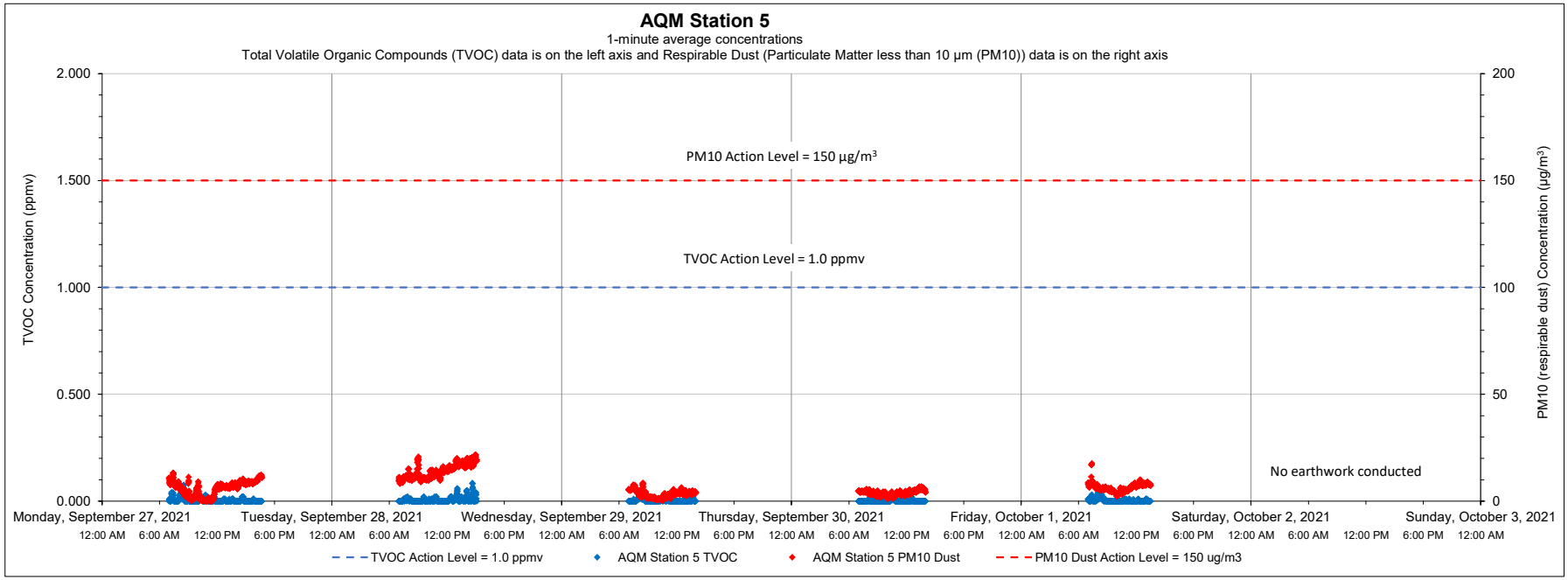

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.08	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.85	µg/m³
PM10 maximum concentration	21.73	µg/m³
PM10 action level	150	µg/m³

Notes:

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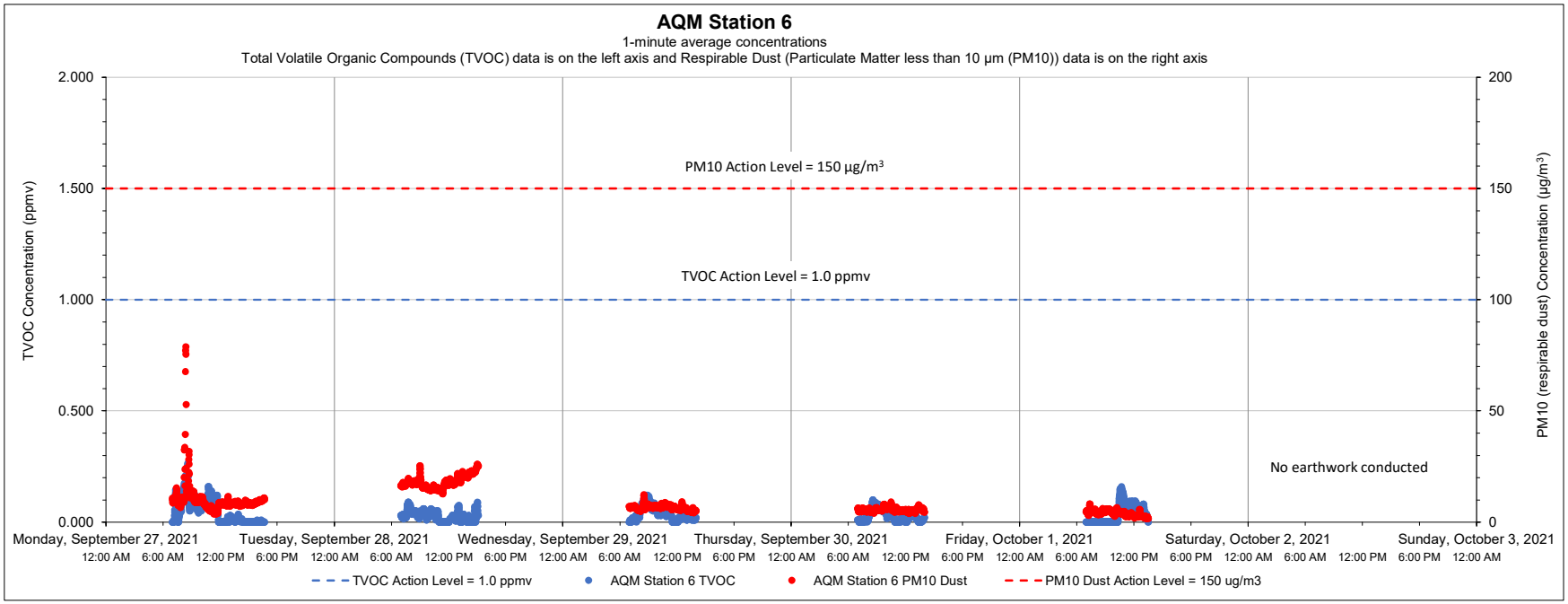

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.27	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.17	µg/m^3
PM10 maximum concentration	78.80	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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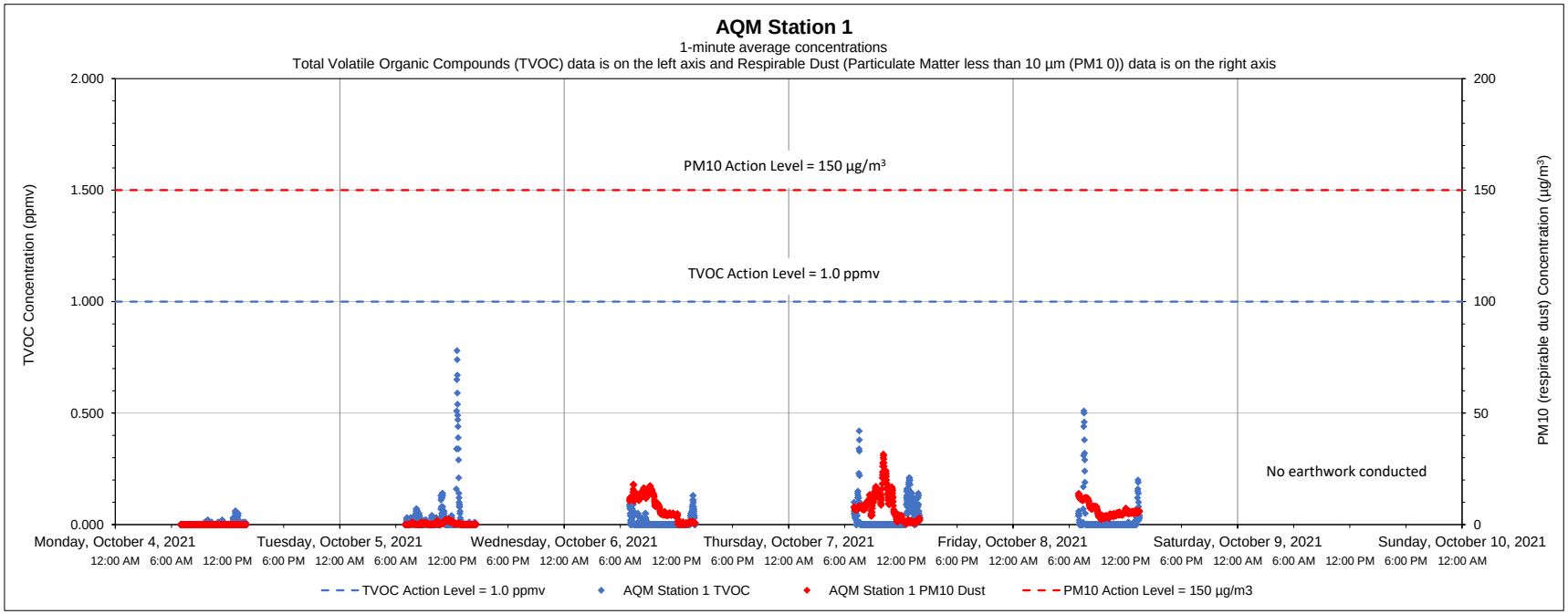

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.78	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.33	µg/m³
PM10 maximum concentration	31.62	µg/m³
PM10 action level	150	µg/m³

Notes:

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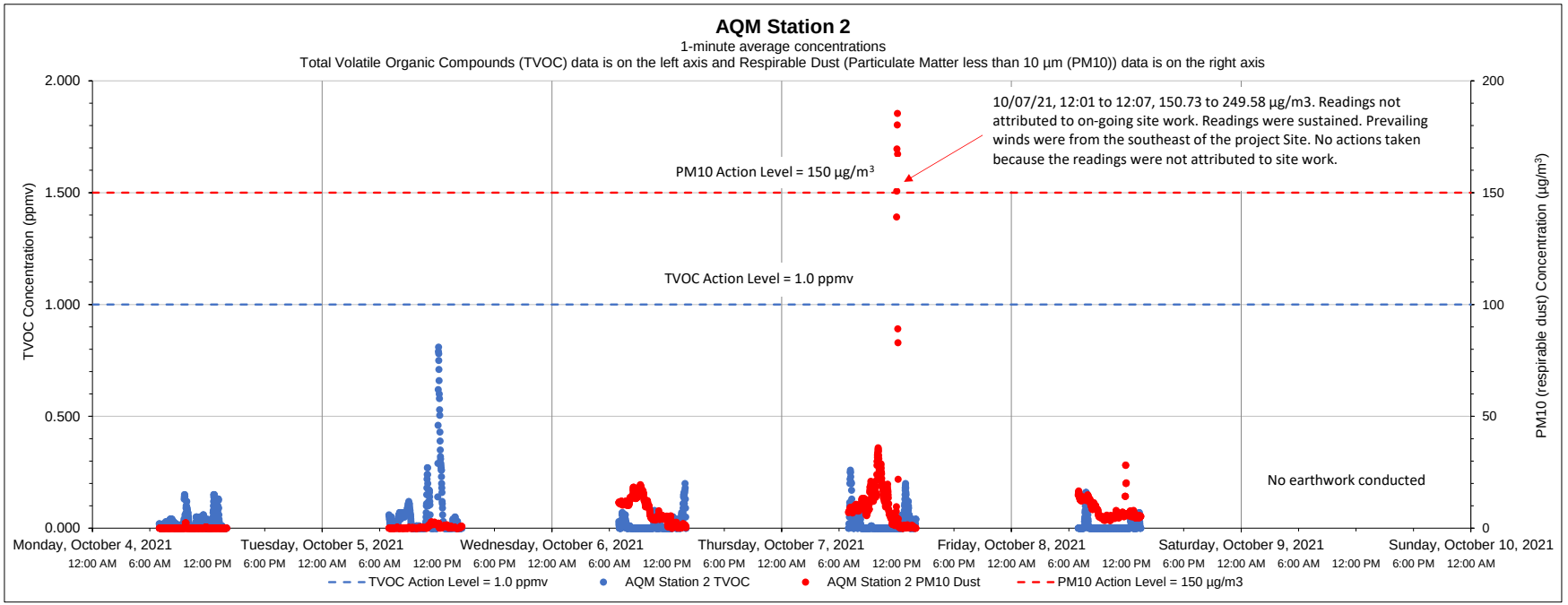

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
10/7/2021	12:01-12:07	Dust	150.73 to 249.58 µg/m3	No actions taken. Readings not attributed to Site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.81	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.65	µg/m^3
PM10 maximum concentration	249.58	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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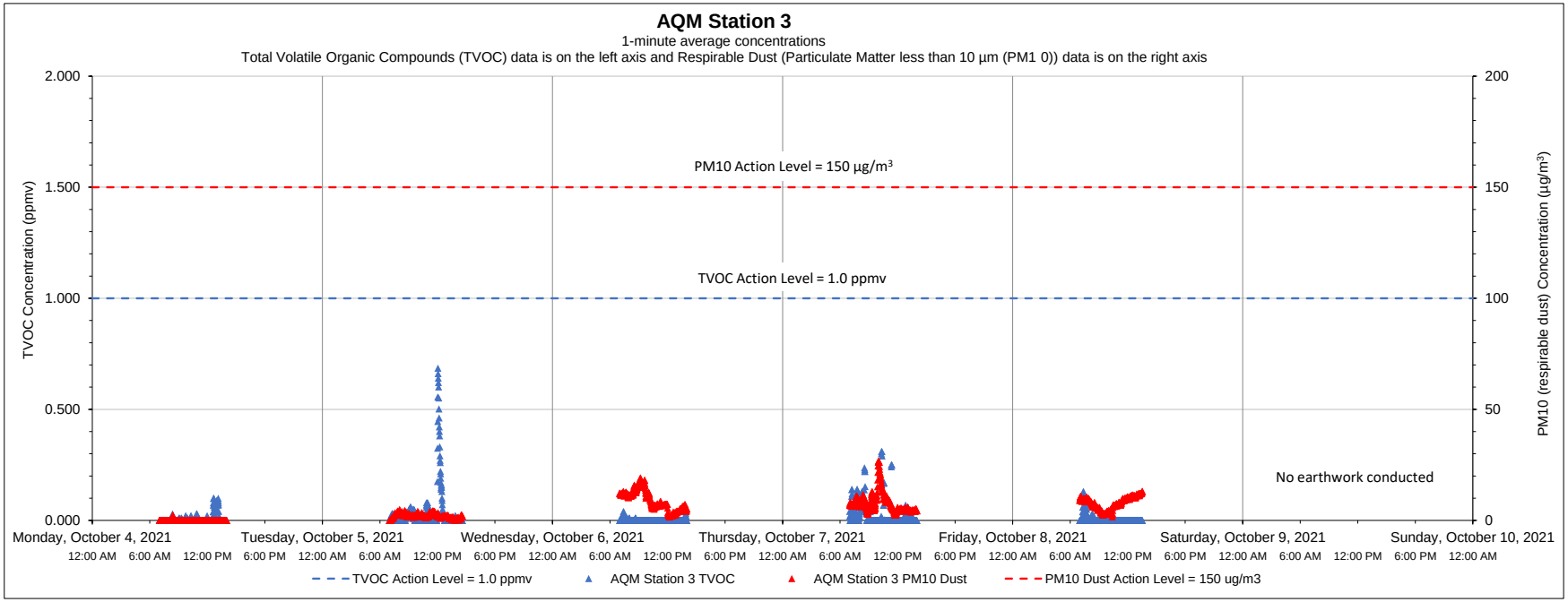

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.69	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.29	µg/m^3
PM10 maximum concentration	26.77	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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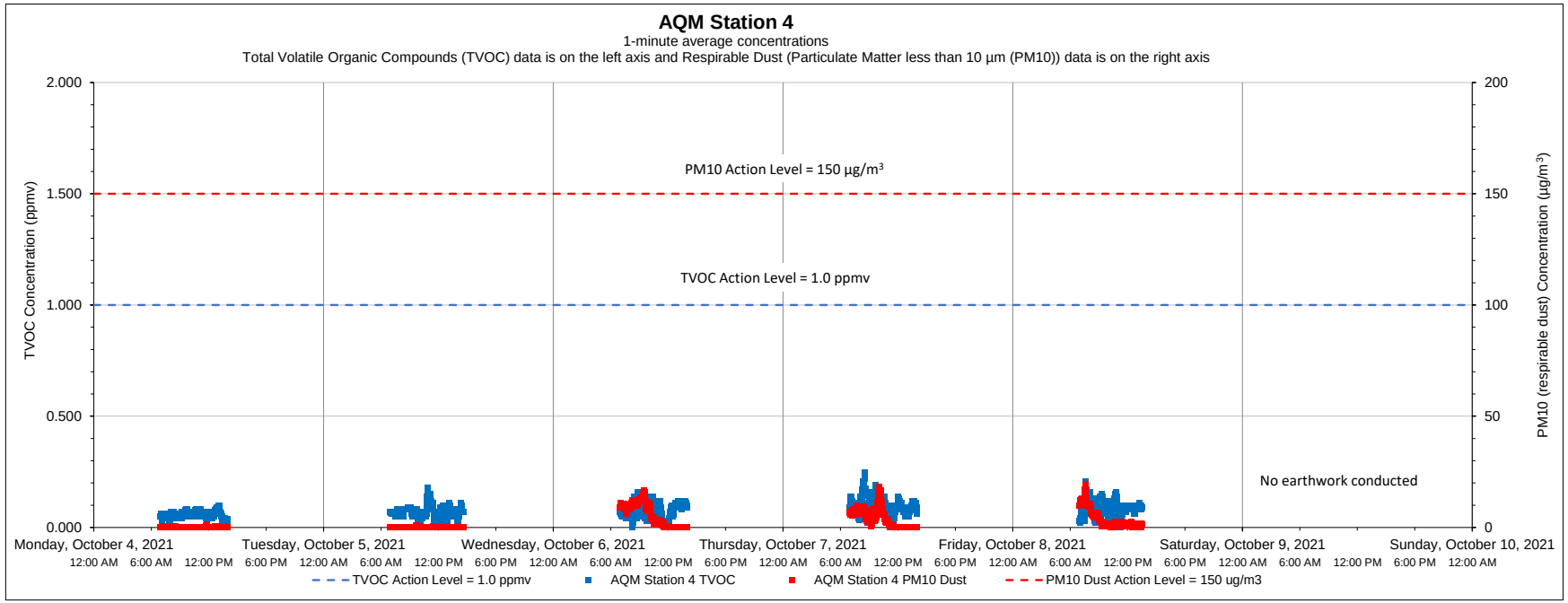

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	0.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.57	µg/m³
PM10 maximum concentration	19.37	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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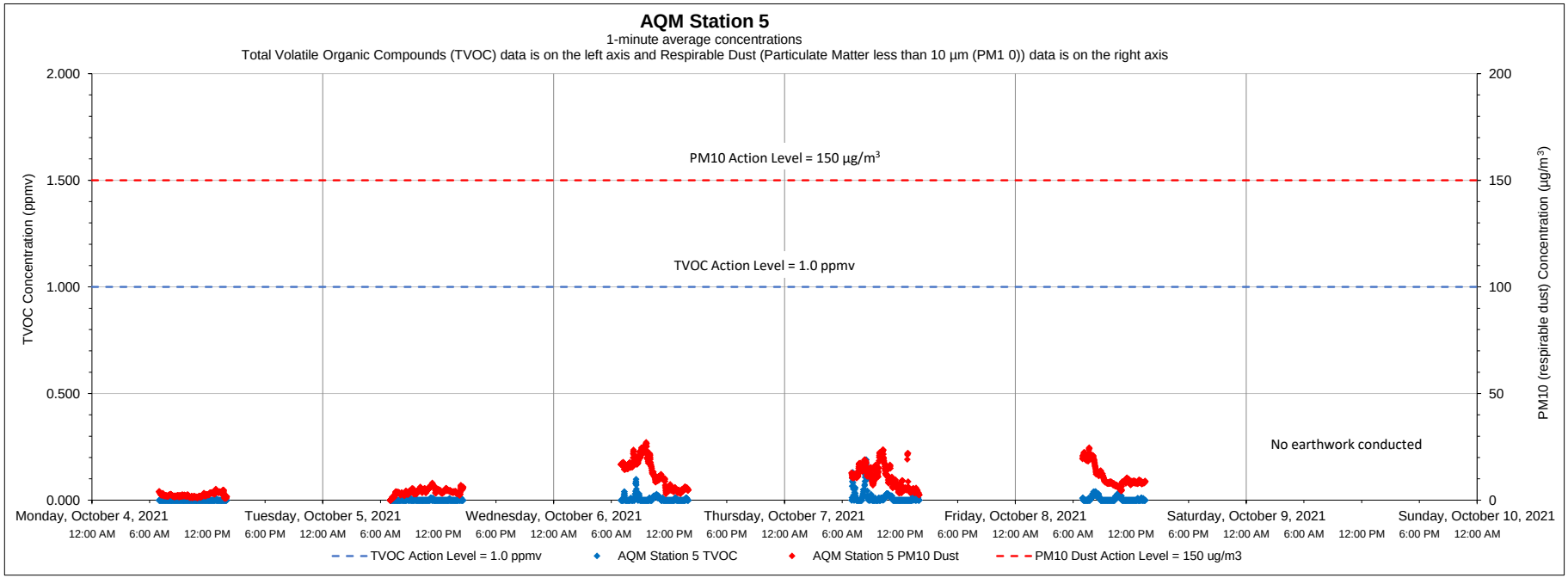

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.05	µg/m^3
PM10 maximum concentration	27.17	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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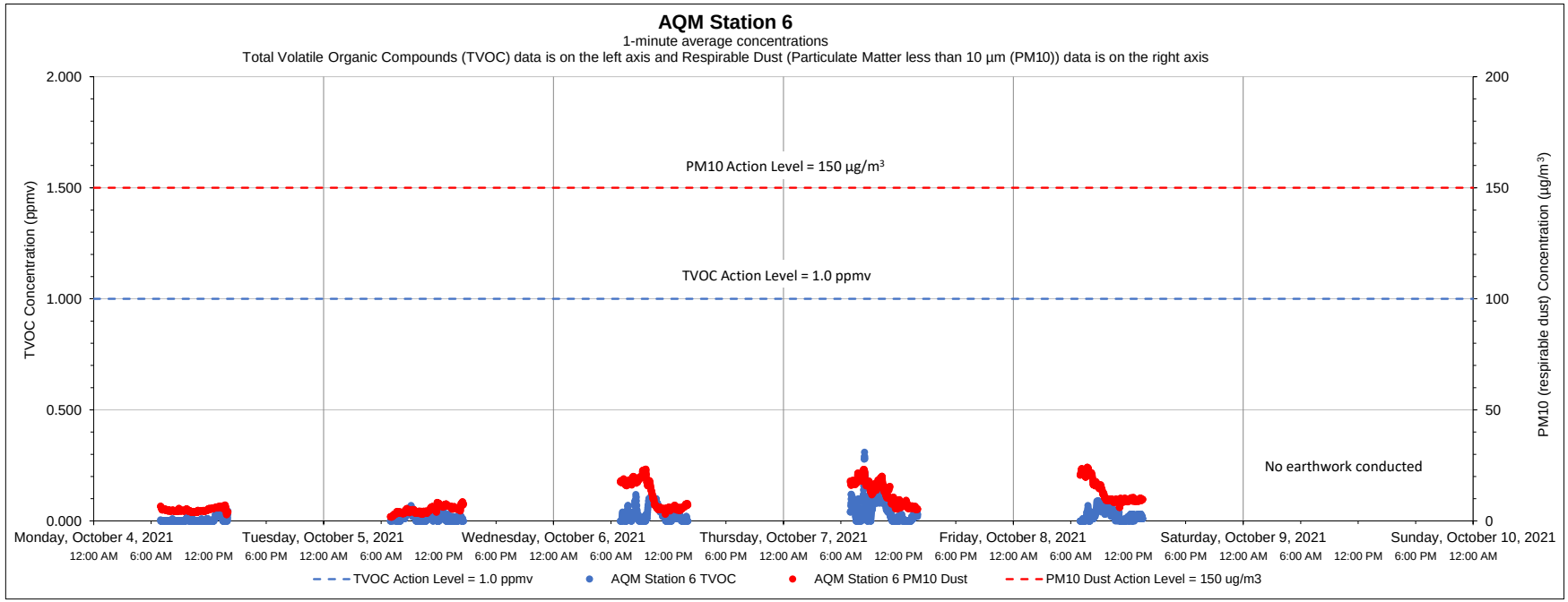

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.37	µg/m^3
PM10 maximum concentration	24.21	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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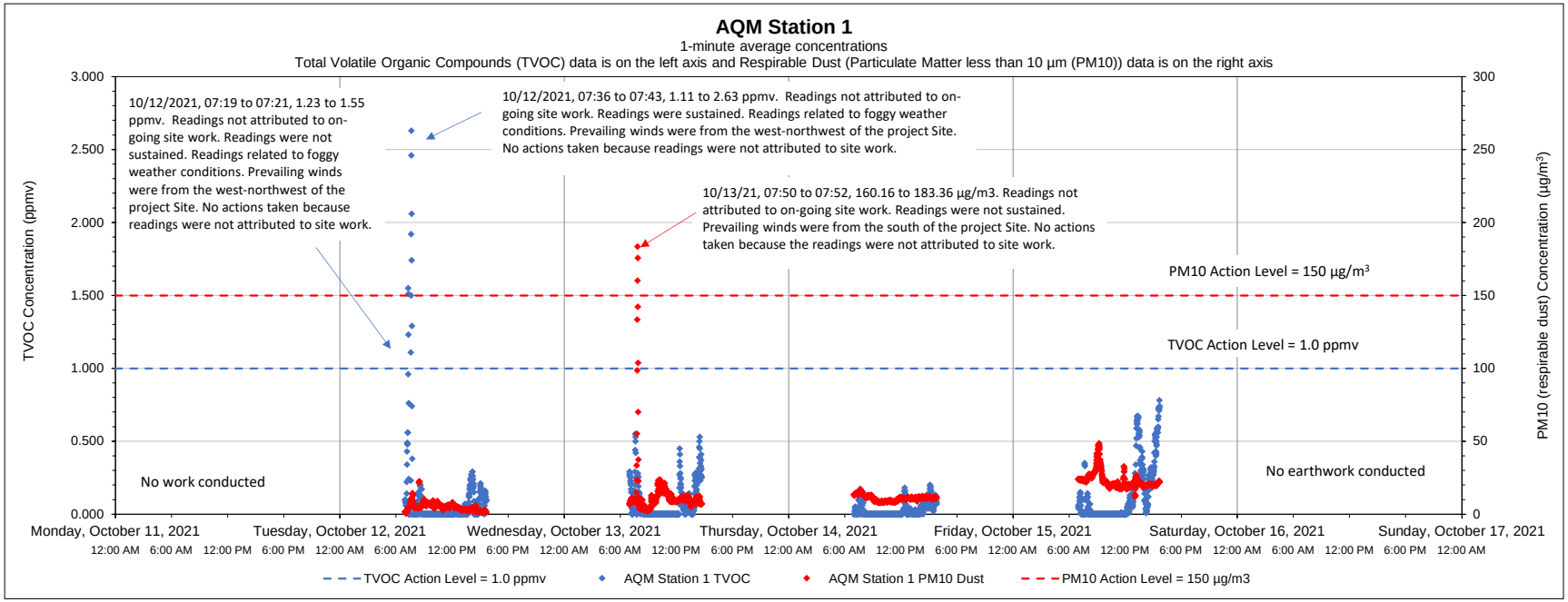

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
10/12/2021	07:36 to 07:43	TVOC	1.11 to 2.63 ppmv	No actions taken because readings were not attributed to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	2.63	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.75	µg/m³
PM10 maximum concentration	183.36	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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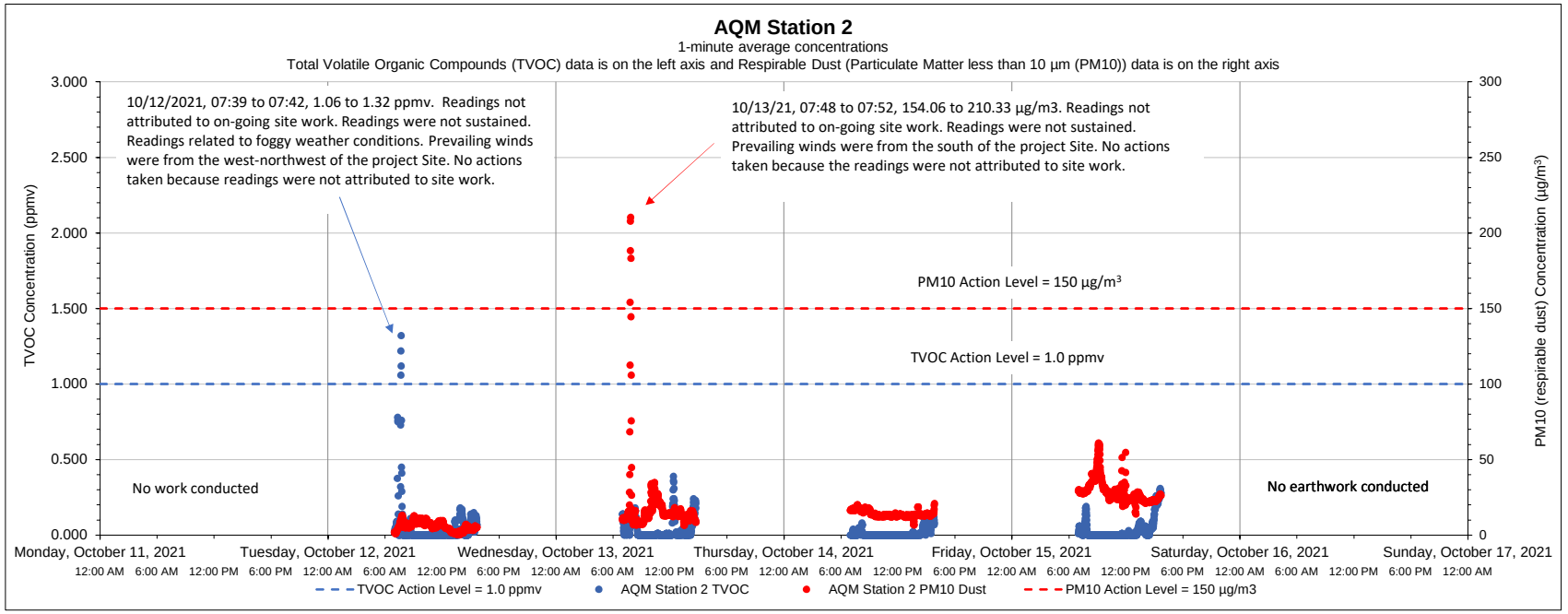

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	1.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.31	µg/m^3
PM10 maximum concentration	210.33	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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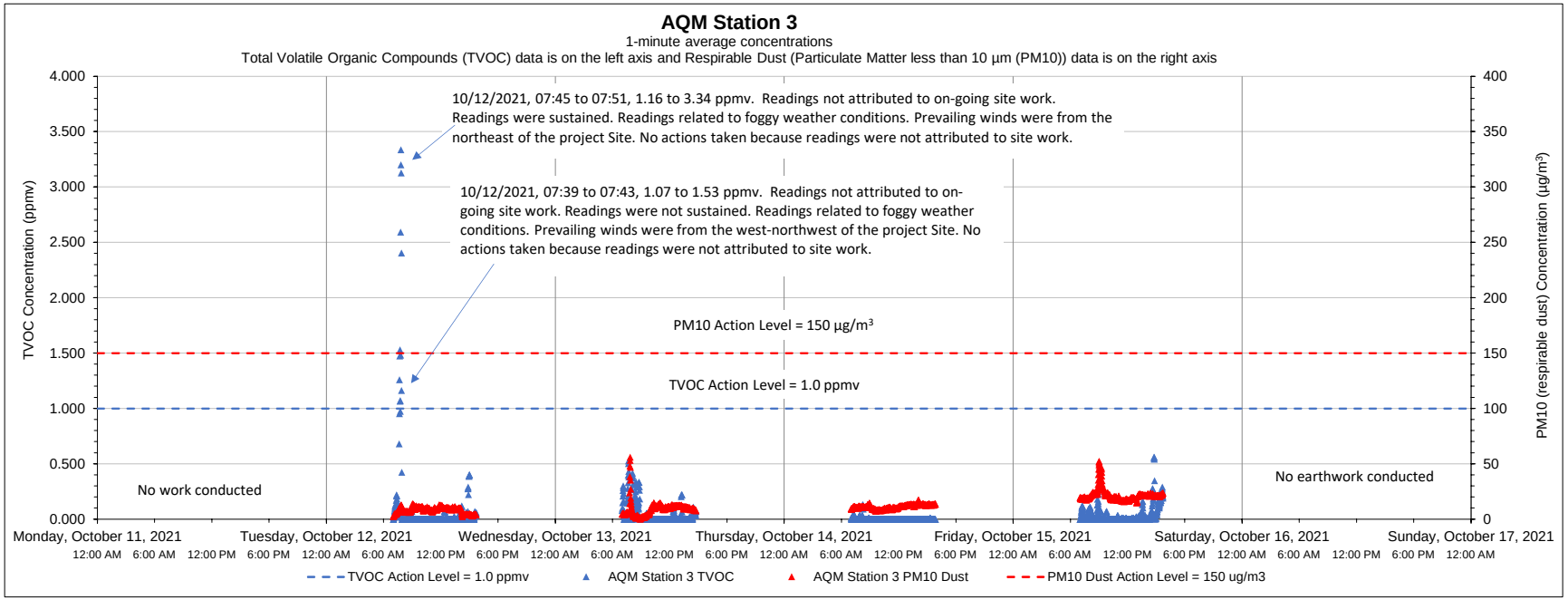

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
10/12/2021	07:45 to 07:51	TVOC	1.16 to 3.34 ppmv	No actions taken because readings were not attributed to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	3.34	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.56	µg/m³
PM10 maximum concentration	56.01	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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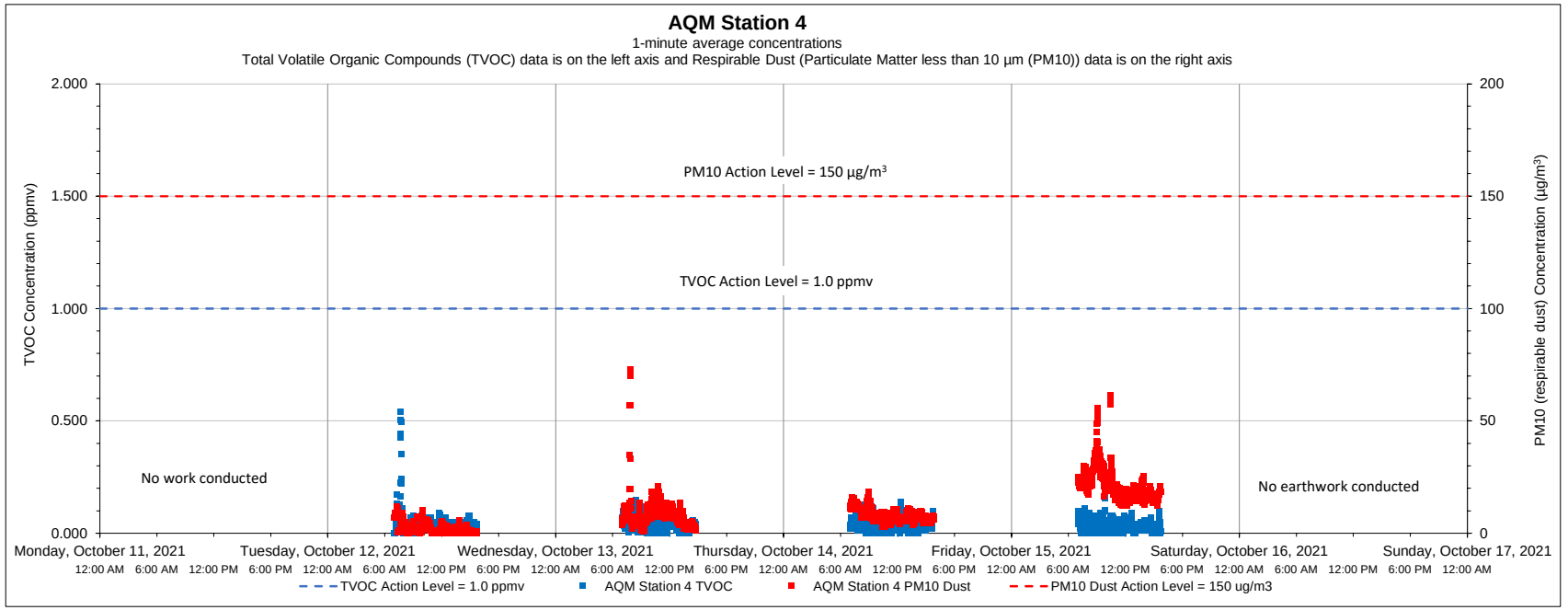


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.54	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.03	µg/m³
PM10 maximum concentration	72.96	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

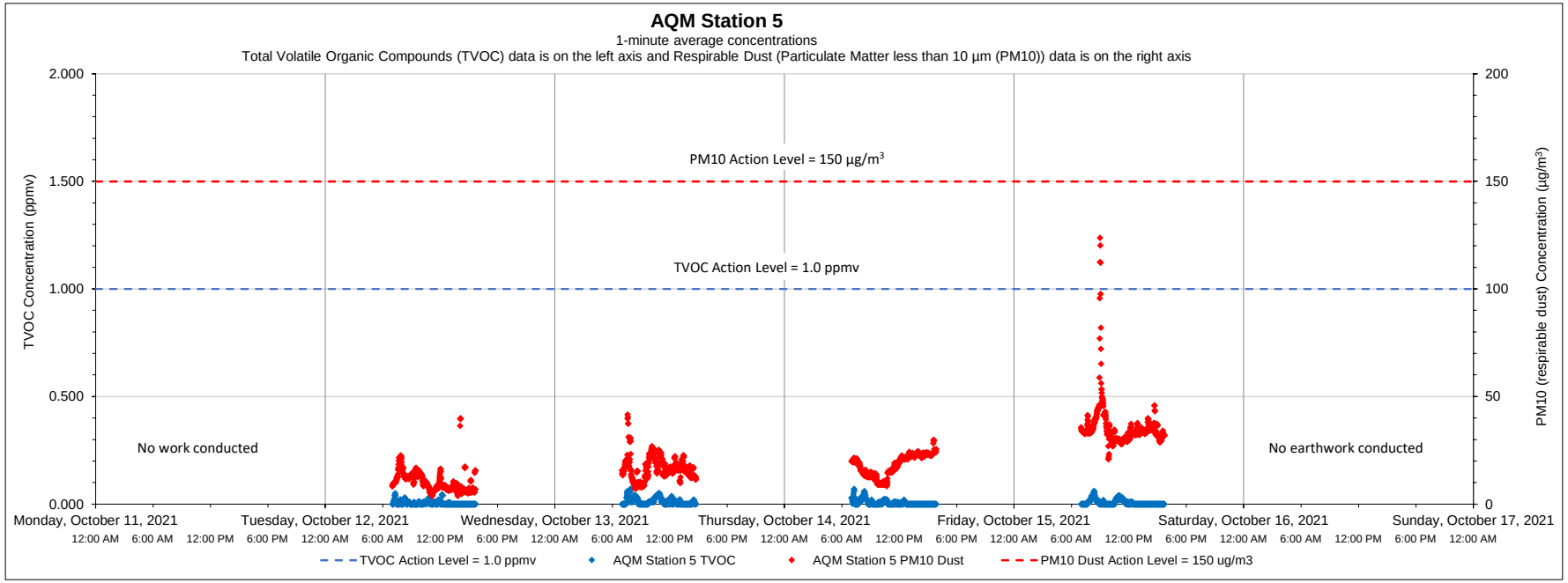
GZA Job No. 03.0033554.04

10/18/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.07	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.07	µg/m³
PM10 maximum concentration	123.78	µg/m³
PM10 action level	150	µg/m³

Notes:

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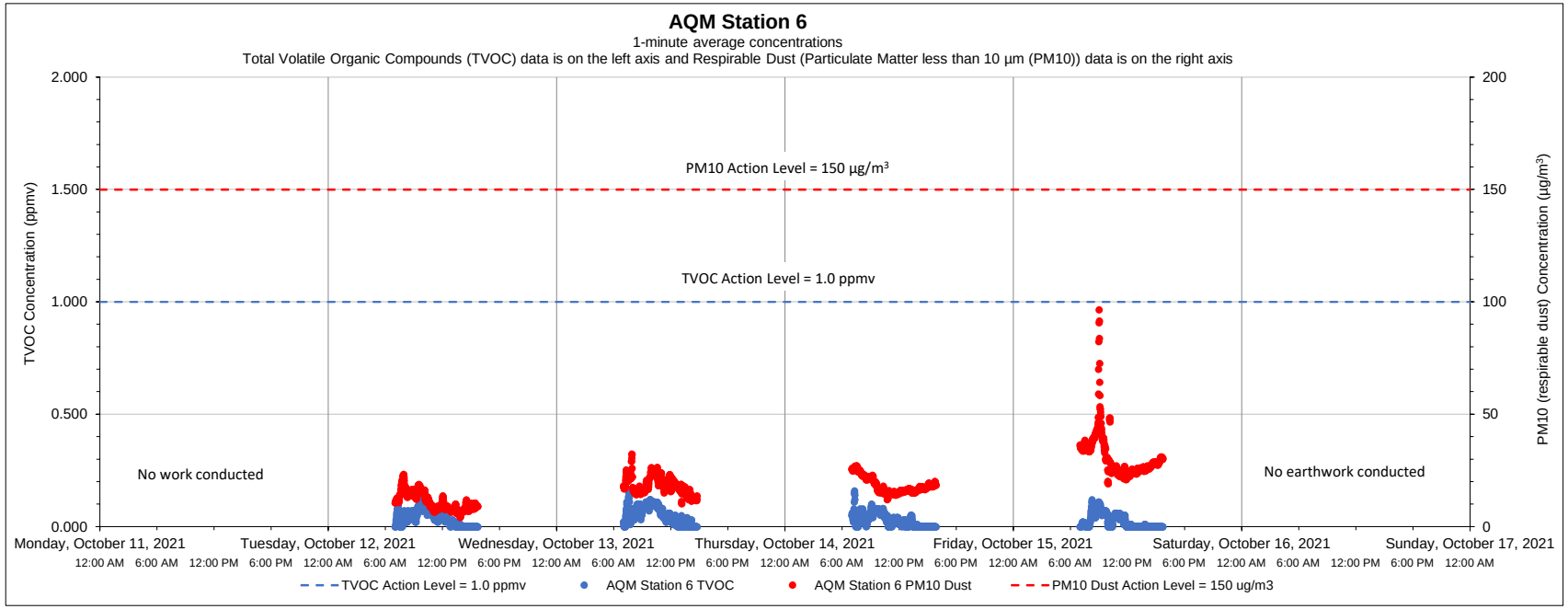

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.16	ppm
TVOCs action level	1	ppm
PM10 average concentration	19.52	µg/m^3
PM10 maximum concentration	96.46	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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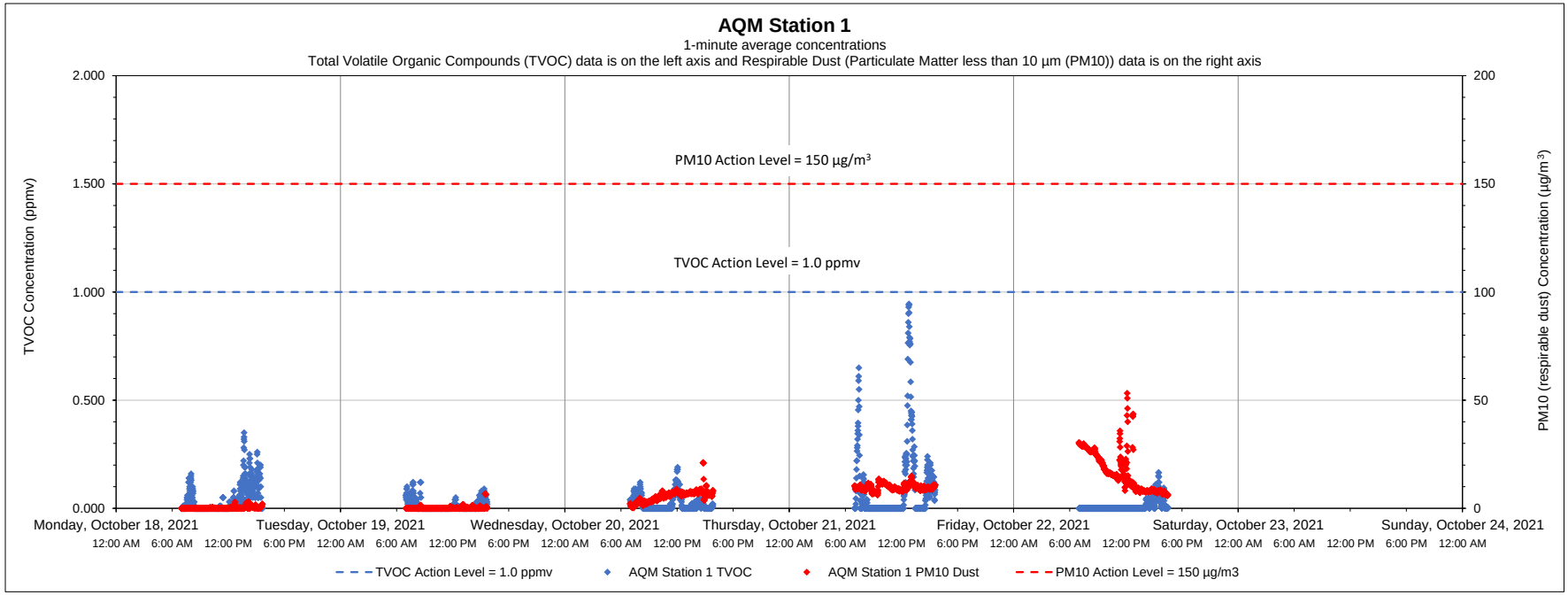

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.94	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.56	µg/m^3
PM10 maximum concentration	53.25	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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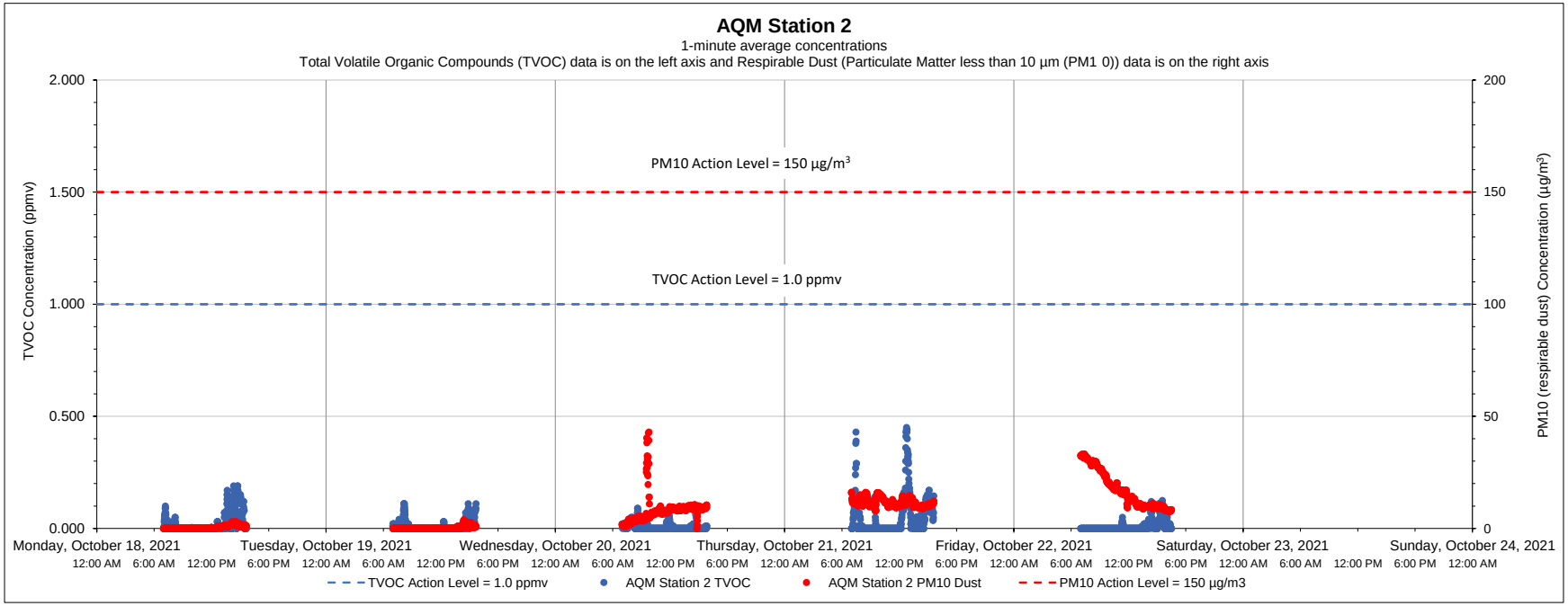

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.45	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.59	µg/m³
PM10 maximum concentration	42.94	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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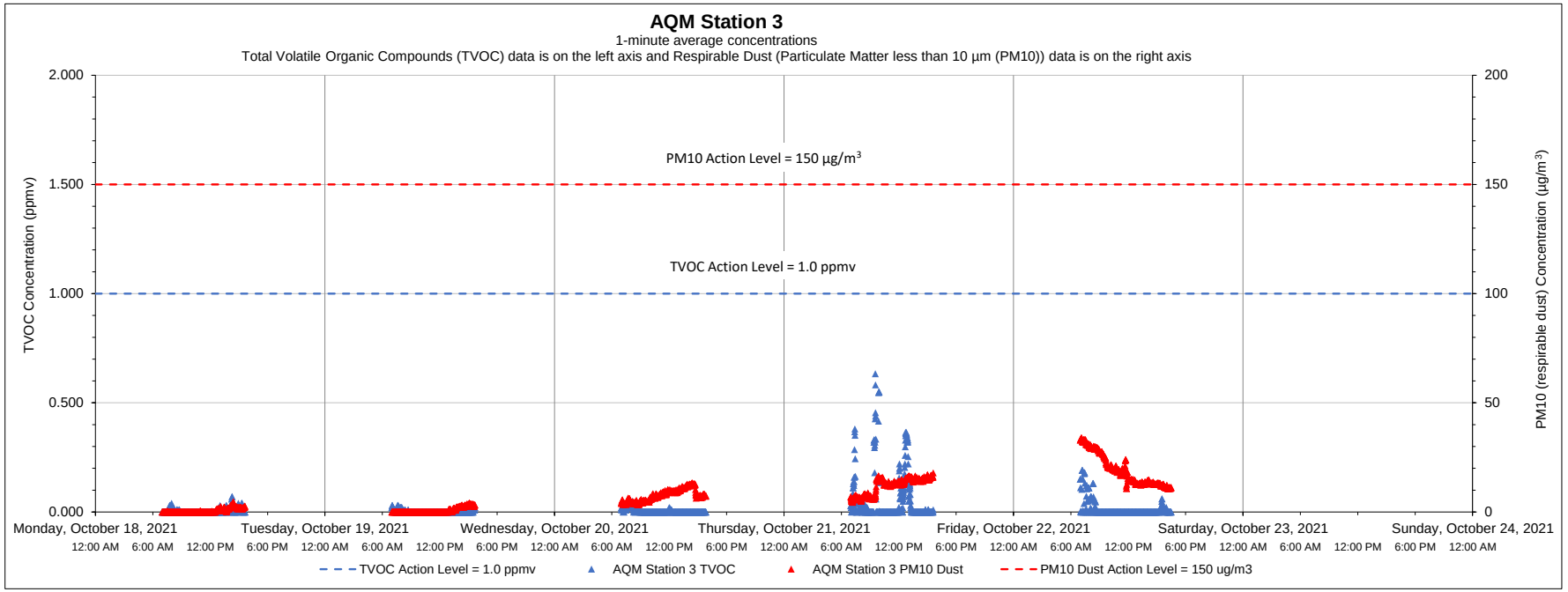

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.63	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.26	µg/m^3
PM10 maximum concentration	33.93	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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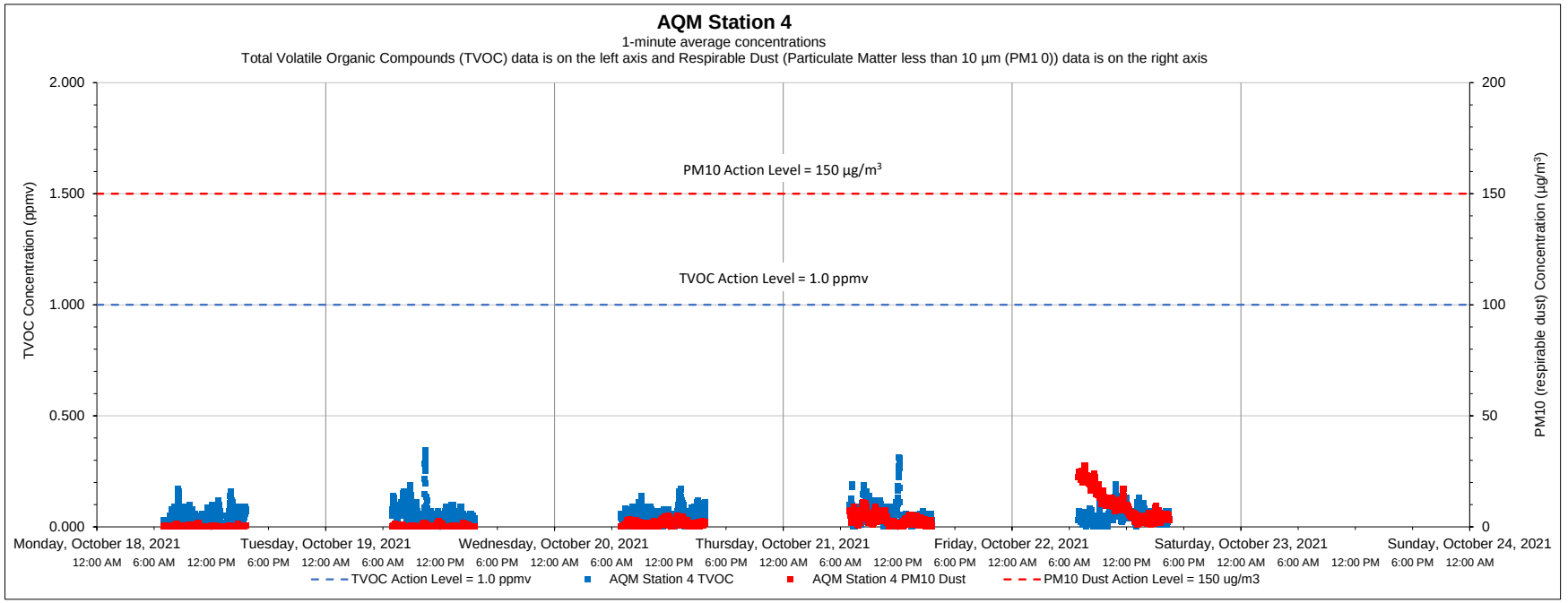

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.35	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.15	µg/m³
PM10 maximum concentration	27.64	µg/m³
PM10 action level	150	µg/m³

Notes:

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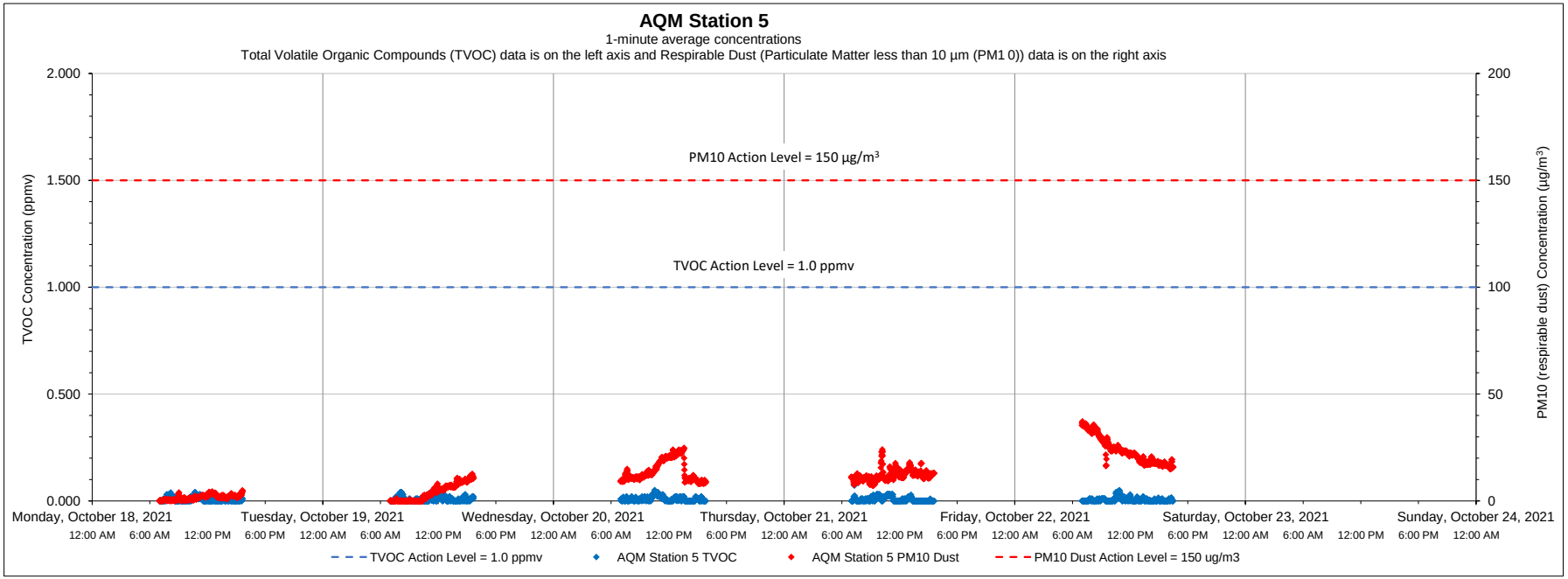

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.09	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.26	µg/m^3
PM10 maximum concentration	37.09	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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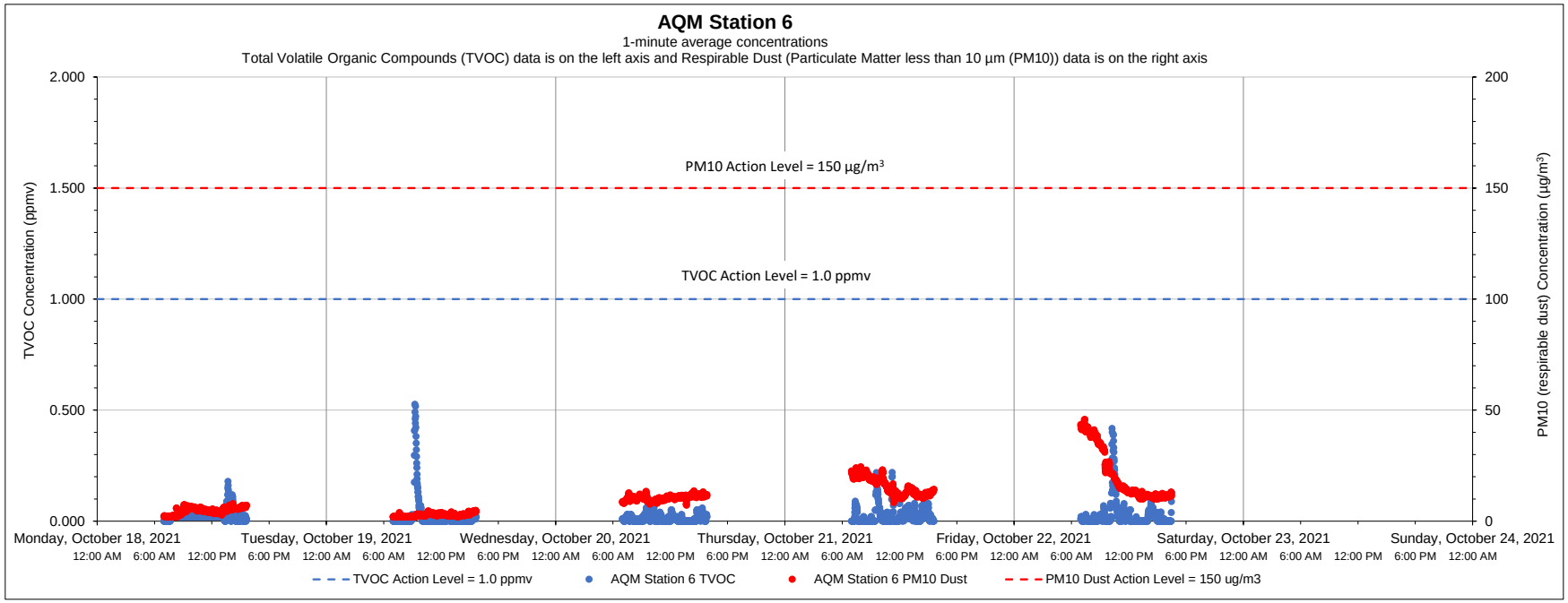

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.53	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.97	µg/m^3
PM10 maximum concentration	45.77	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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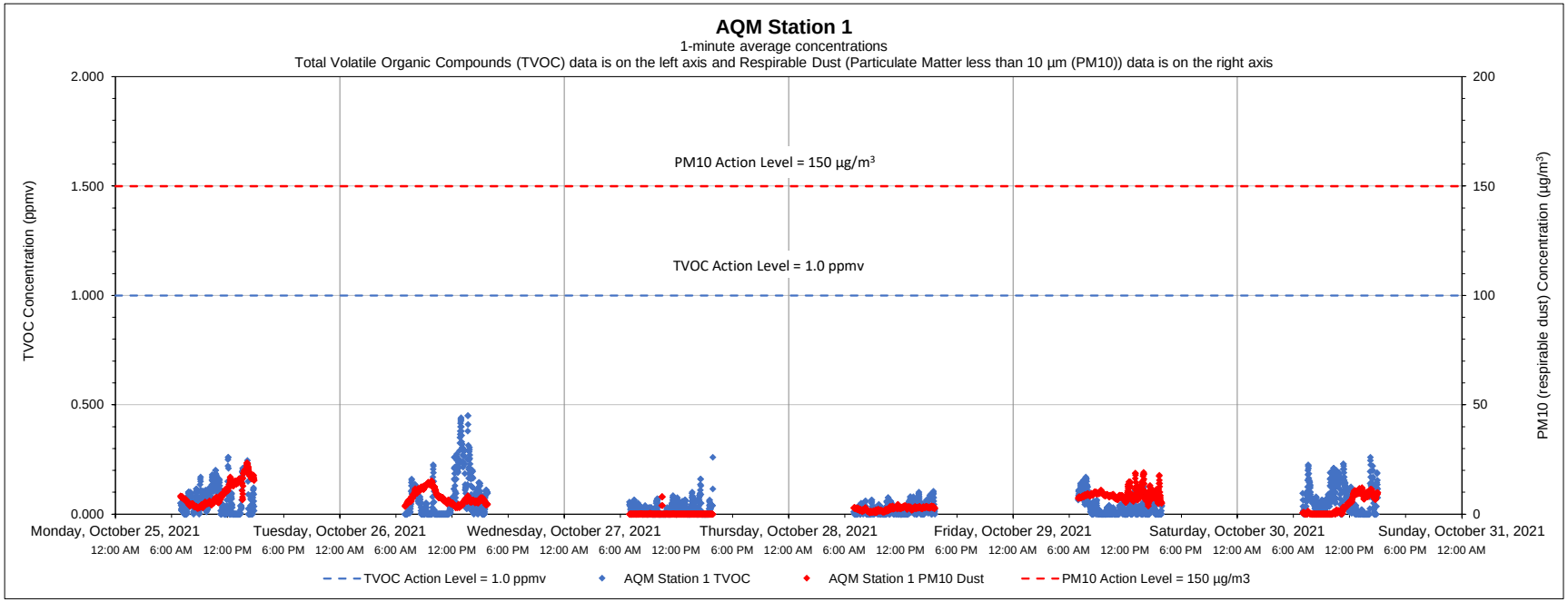

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.45	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.35	µg/m³
PM10 maximum concentration	23.48	µg/m³
PM10 action level	150	µg/m³

Notes:

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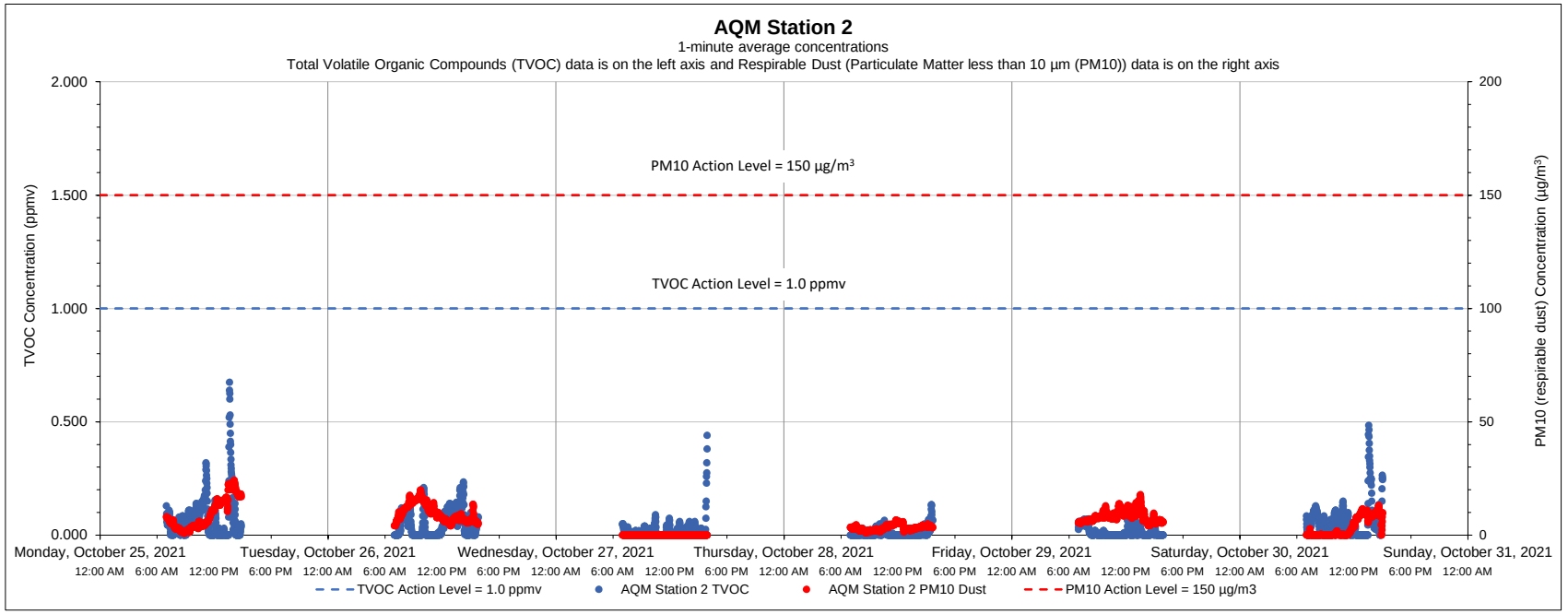

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.67	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.64	µg/m^3
PM10 maximum concentration	24.31	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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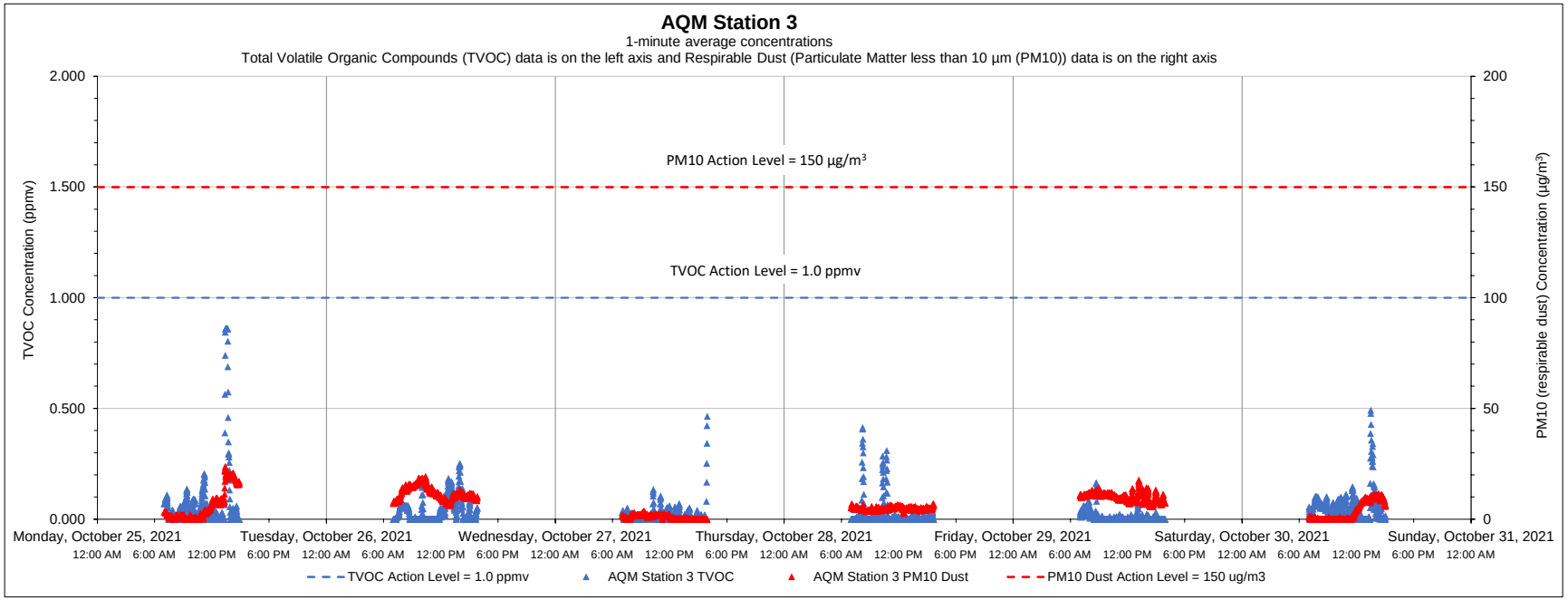

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.86	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.29	µg/m³
PM10 maximum concentration	23.83	µg/m³
PM10 action level	150	µg/m³

Notes:

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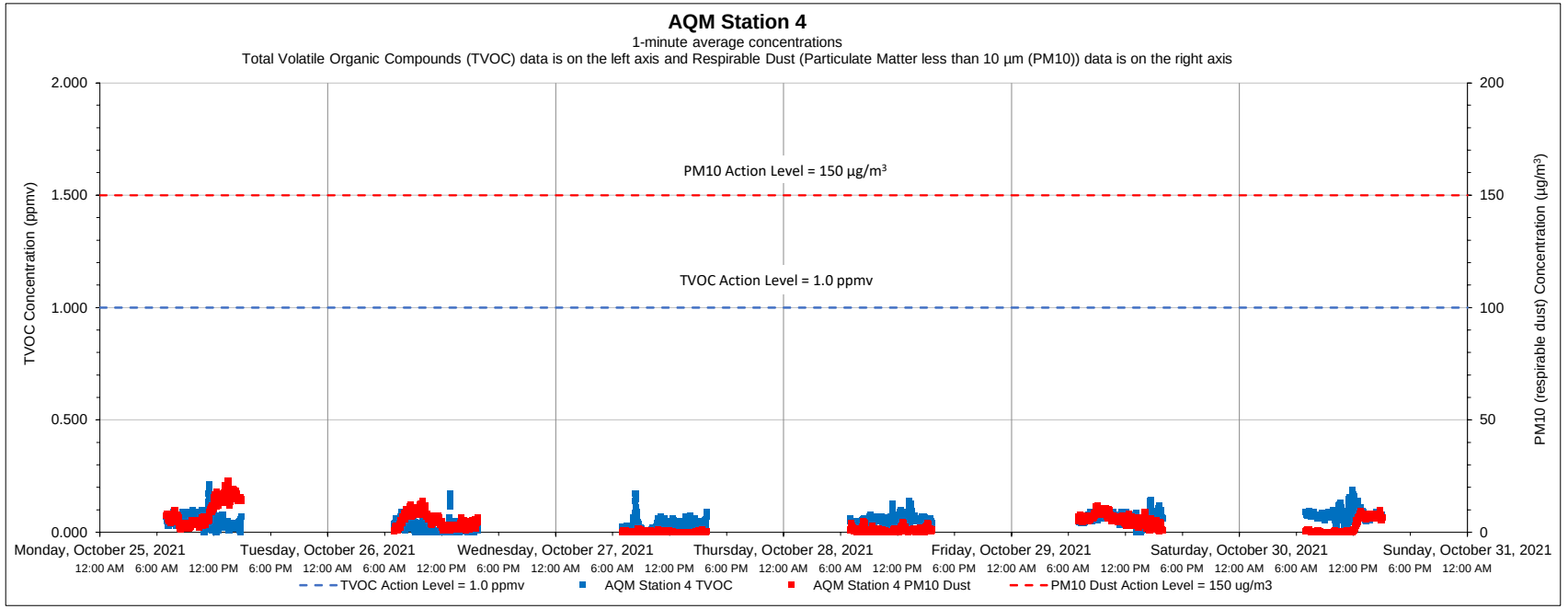

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.21	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.89	µg/m³
PM10 maximum concentration	23.10	µg/m³
PM10 action level	150	µg/m³

Notes:

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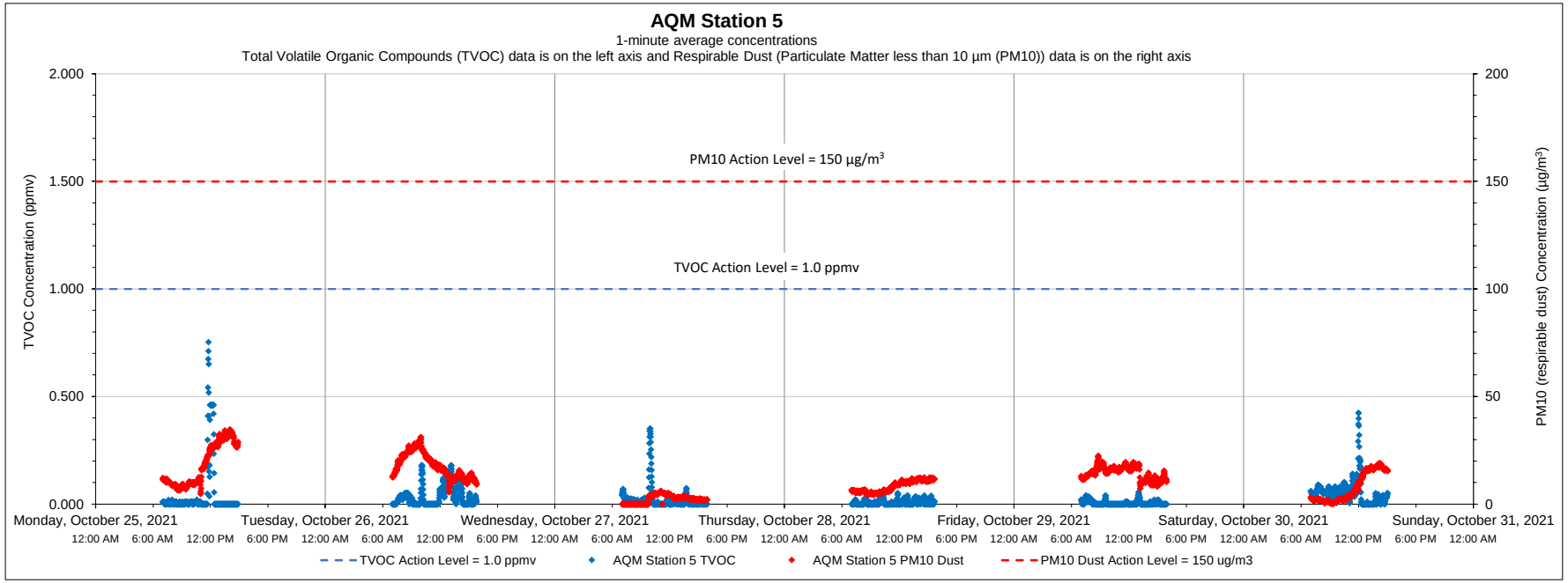

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.75	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.31	µg/m³
PM10 maximum concentration	34.67	µg/m³
PM10 action level	150	µg/m³

Notes:

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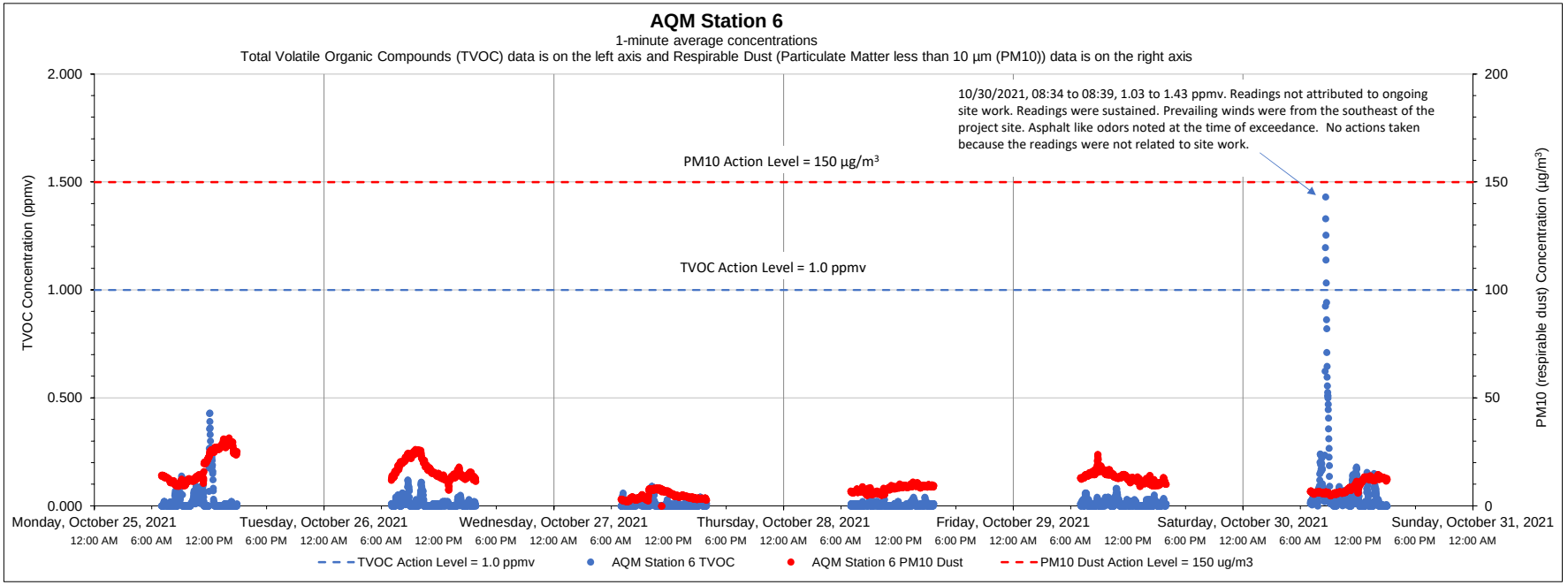

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
10/30/2021	08:34 to 08:39	TVOC	1.03 to 1.43 ppmv	No actions taken because the readings were not related to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	1.43	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.53	µg/m^3
PM10 maximum concentration	31.57	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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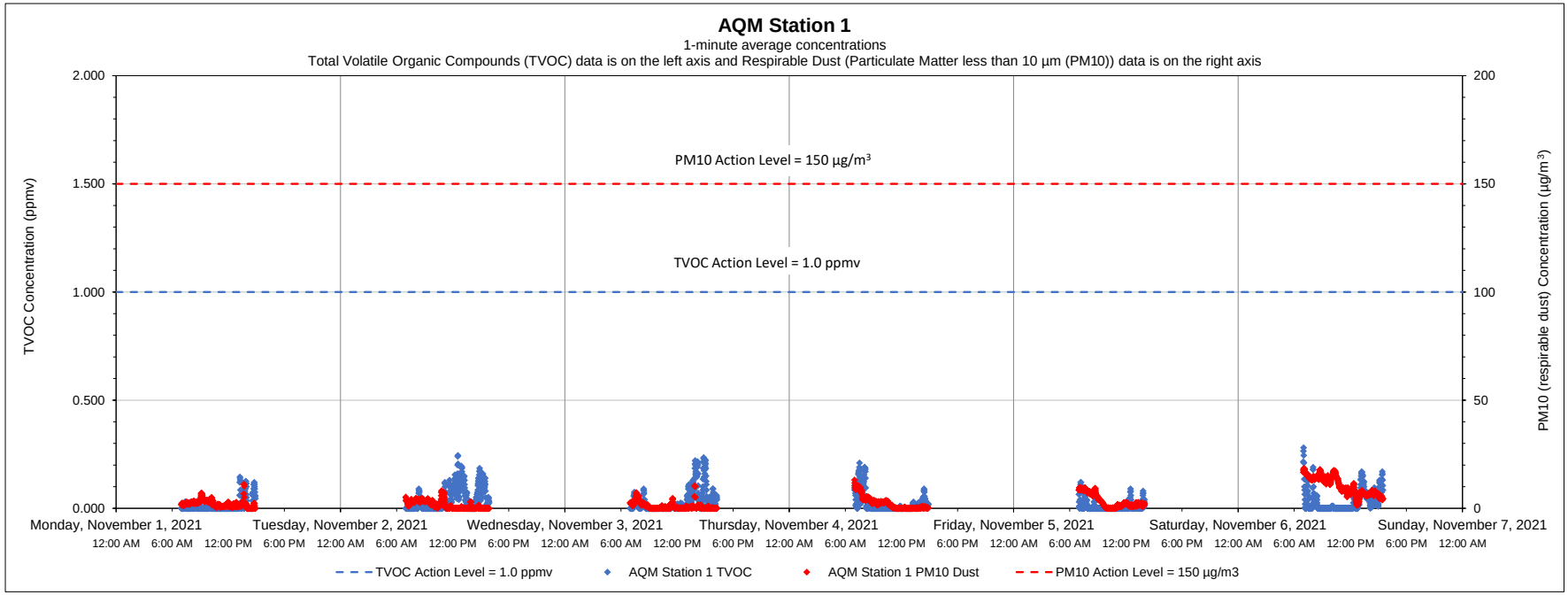

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.28	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.36	µg/m^3
PM10 maximum concentration	18.52	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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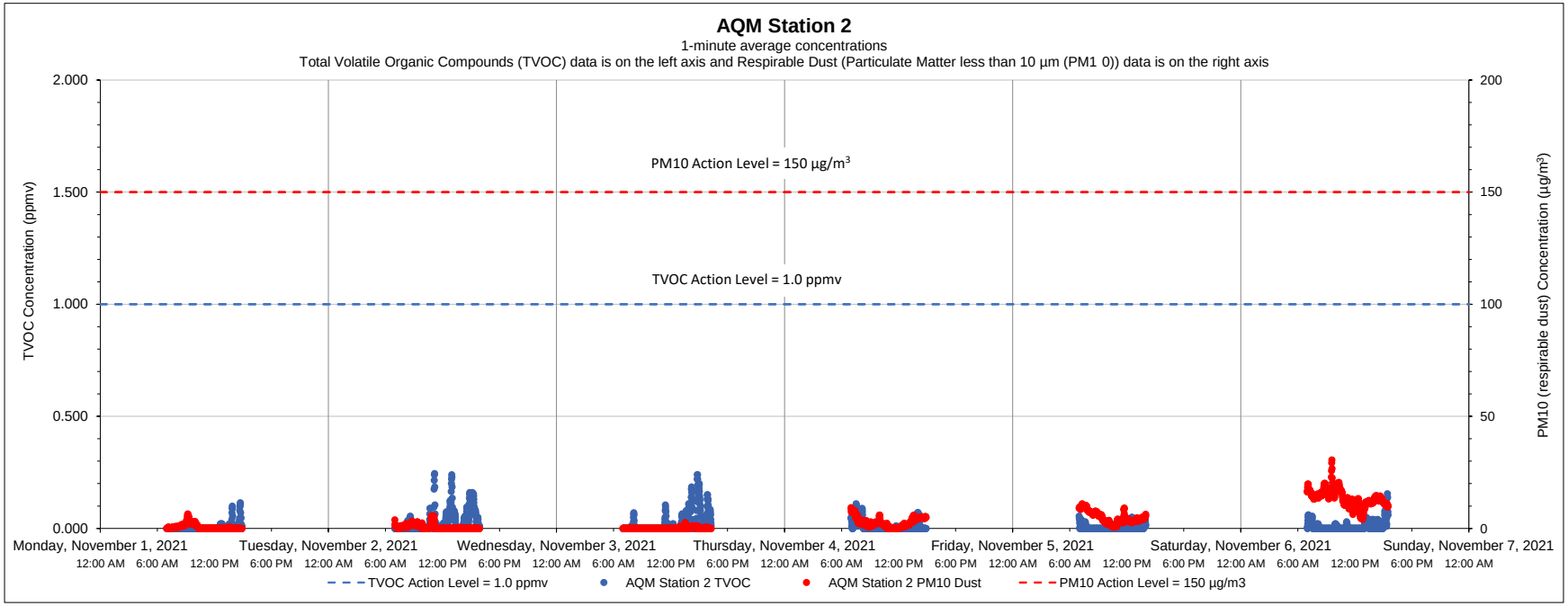

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.63	µg/m^3
PM10 maximum concentration	30.59	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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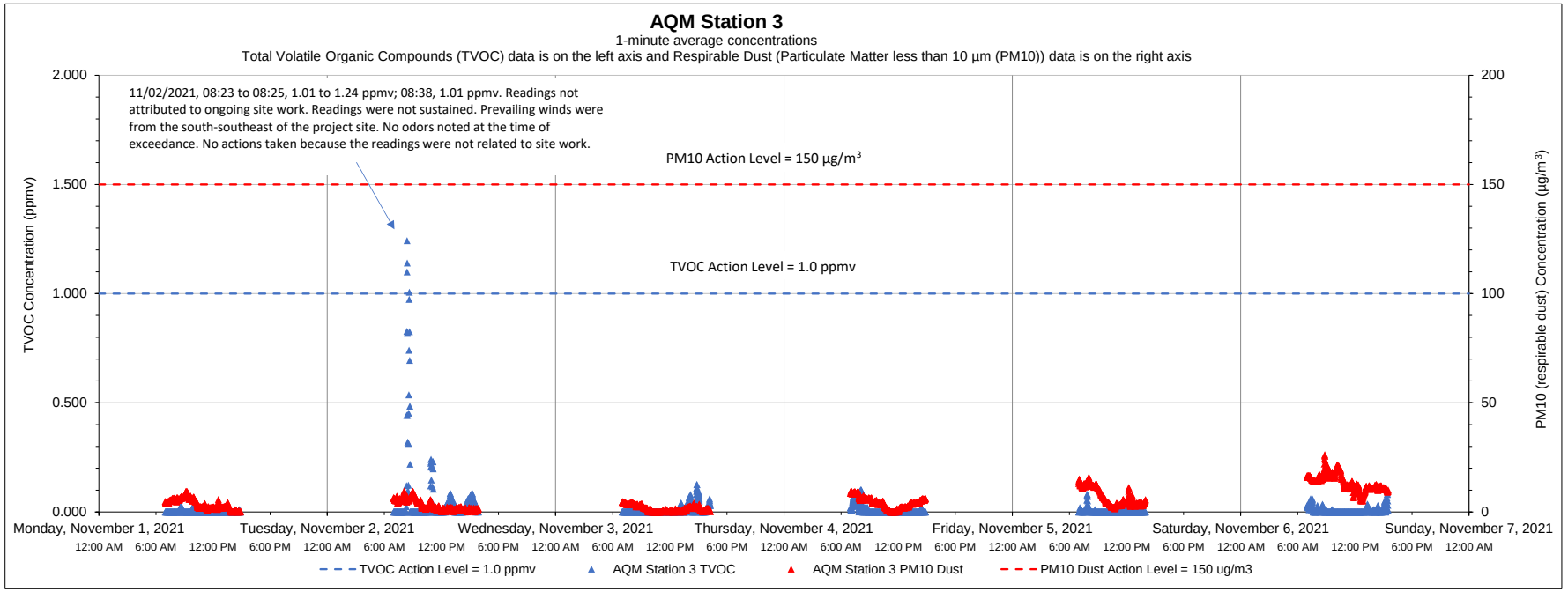


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	1.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.34	µg/m^3
PM10 maximum concentration	26.17	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

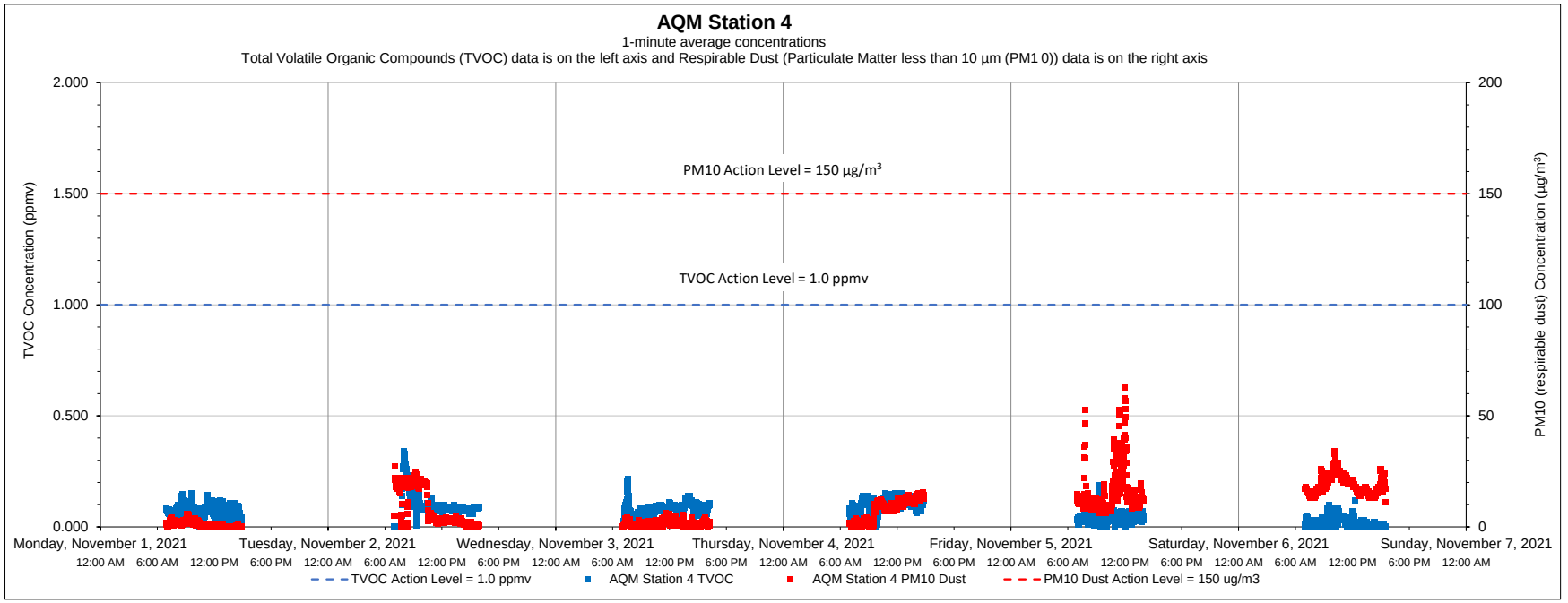
GZA Job No. 03.0033554.04

11/08/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.34	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.57	µg/m³
PM10 maximum concentration	62.68	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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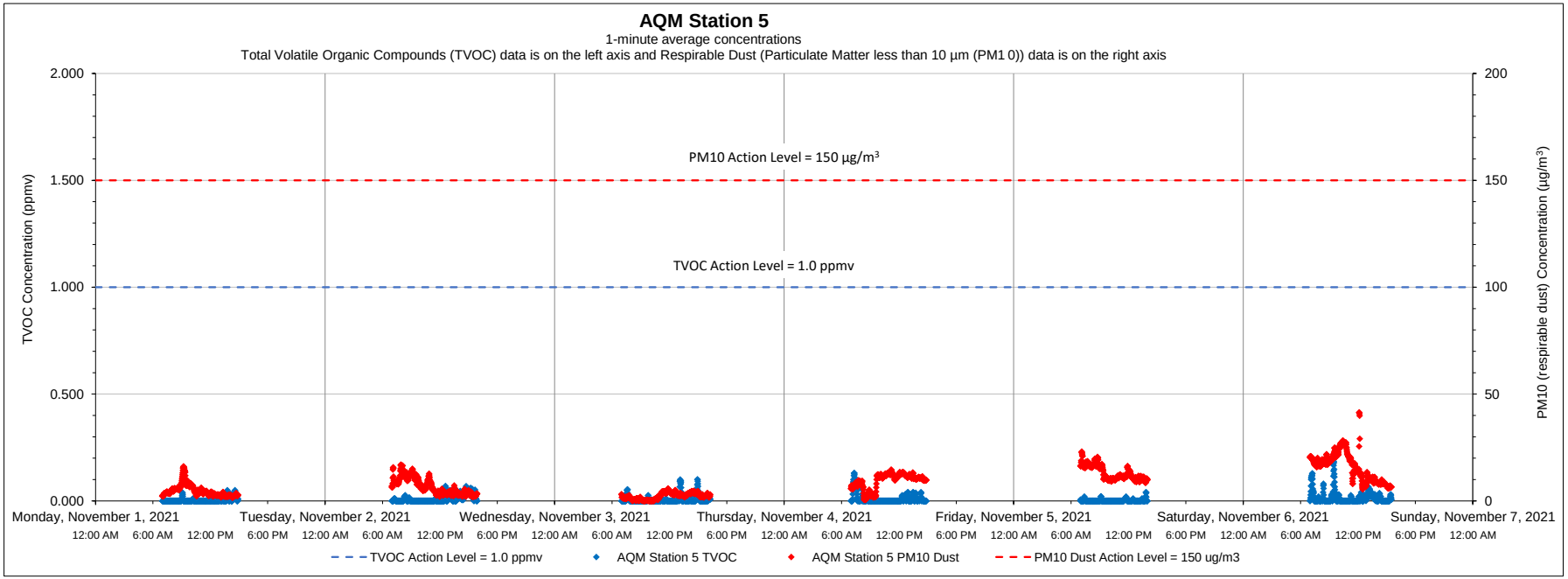

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.32	µg/m^3
PM10 maximum concentration	41.36	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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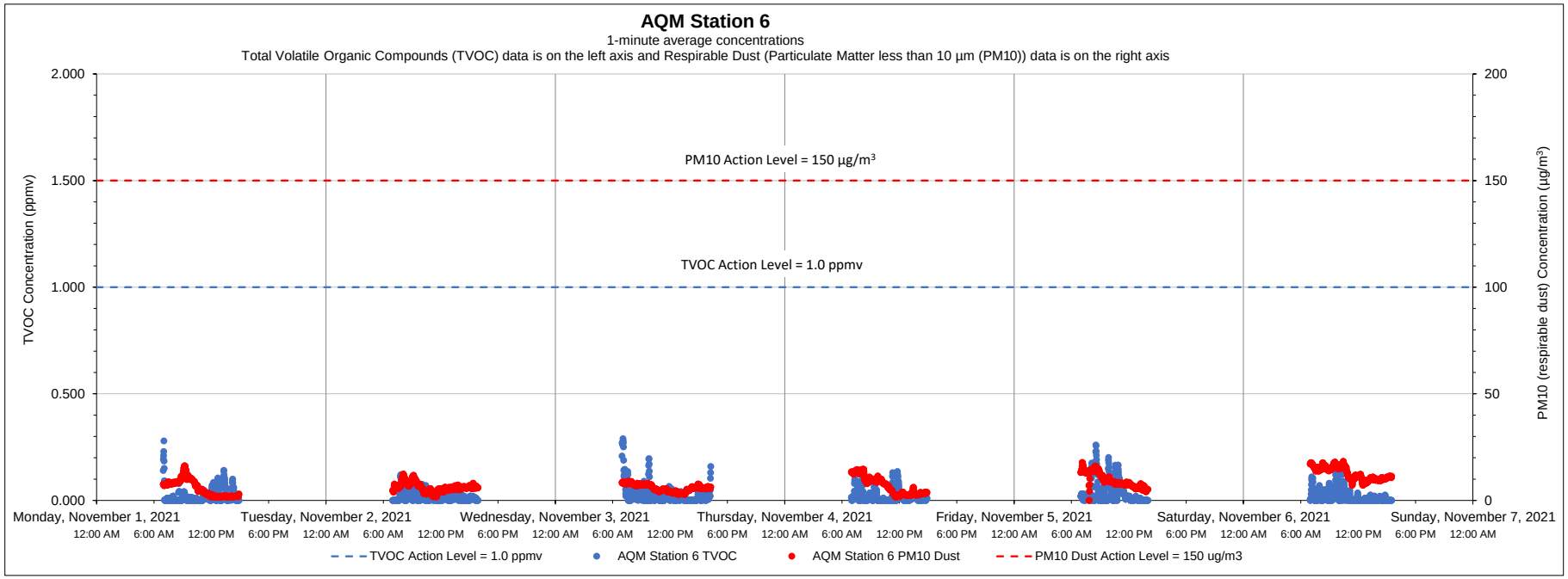

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.29	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.64	µg/m^3
PM10 maximum concentration	18.34	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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GZA Job No. 03.0033554.04

11/15/2021

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STRAP Perimeter Air Quality Monitoring (AQM)

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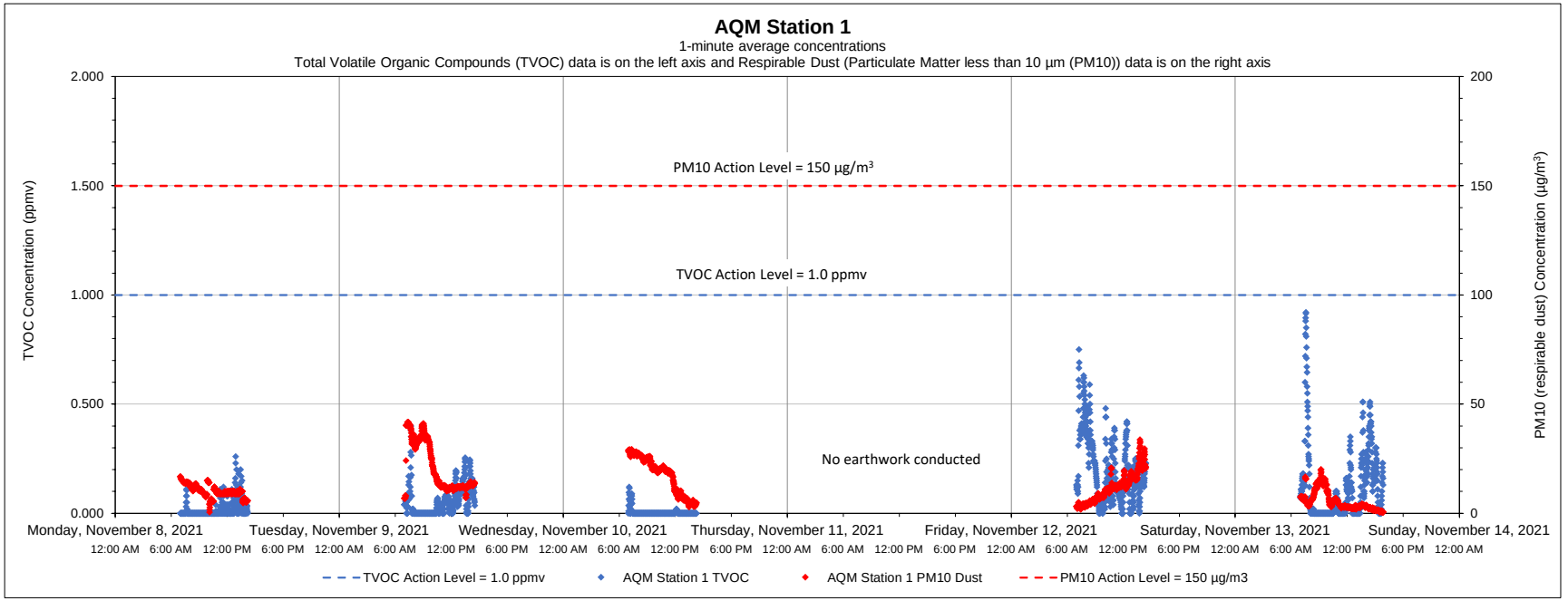

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	0.92	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.83	µg/m³
PM10 maximum concentration	41.69	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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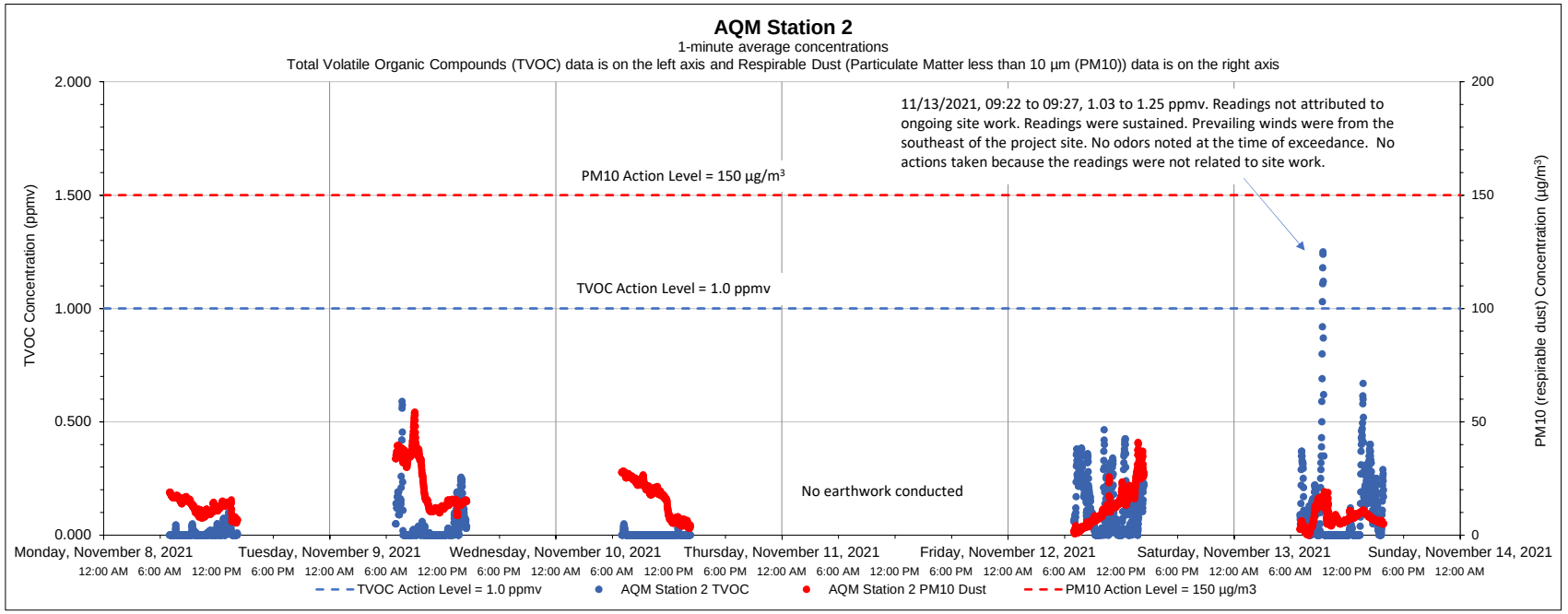

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.22	µg/m^3
PM10 maximum concentration	54.25	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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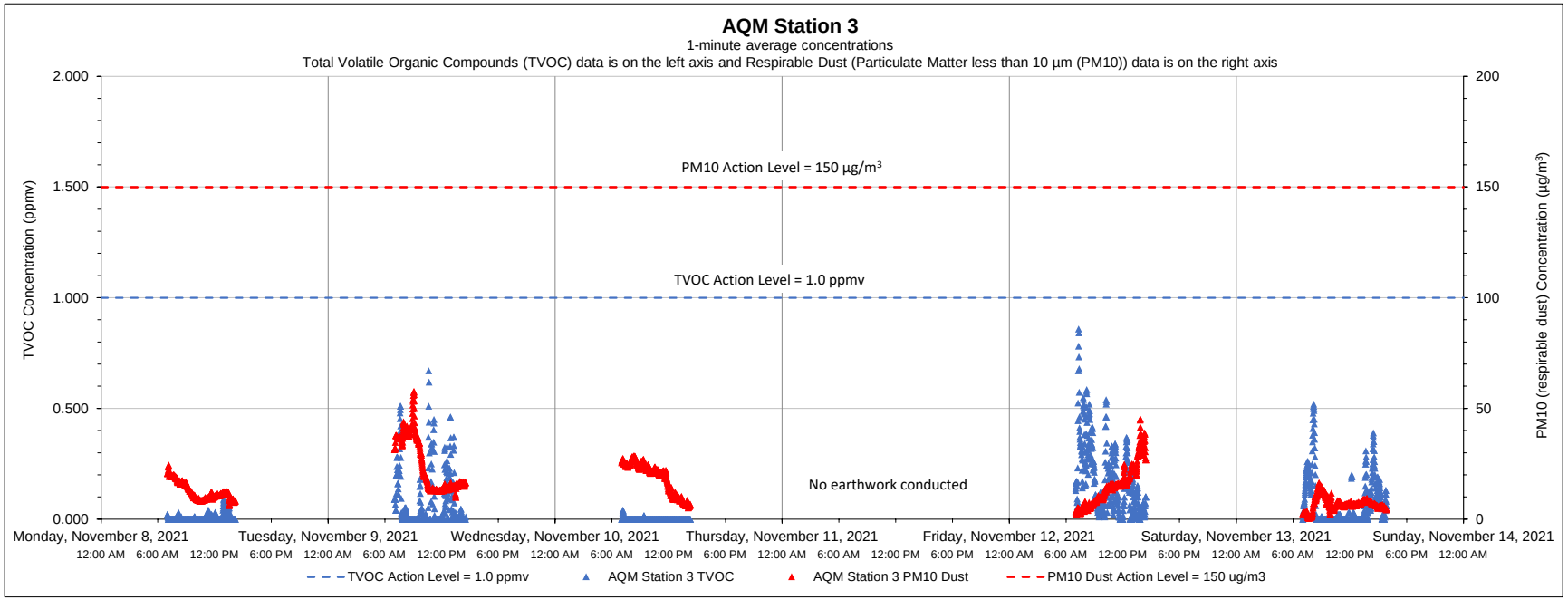

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.86	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.12	µg/m³
PM10 maximum concentration	57.66	µg/m³
PM10 action level	150	µg/m³

Notes:

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Liquefaction Facility Project -

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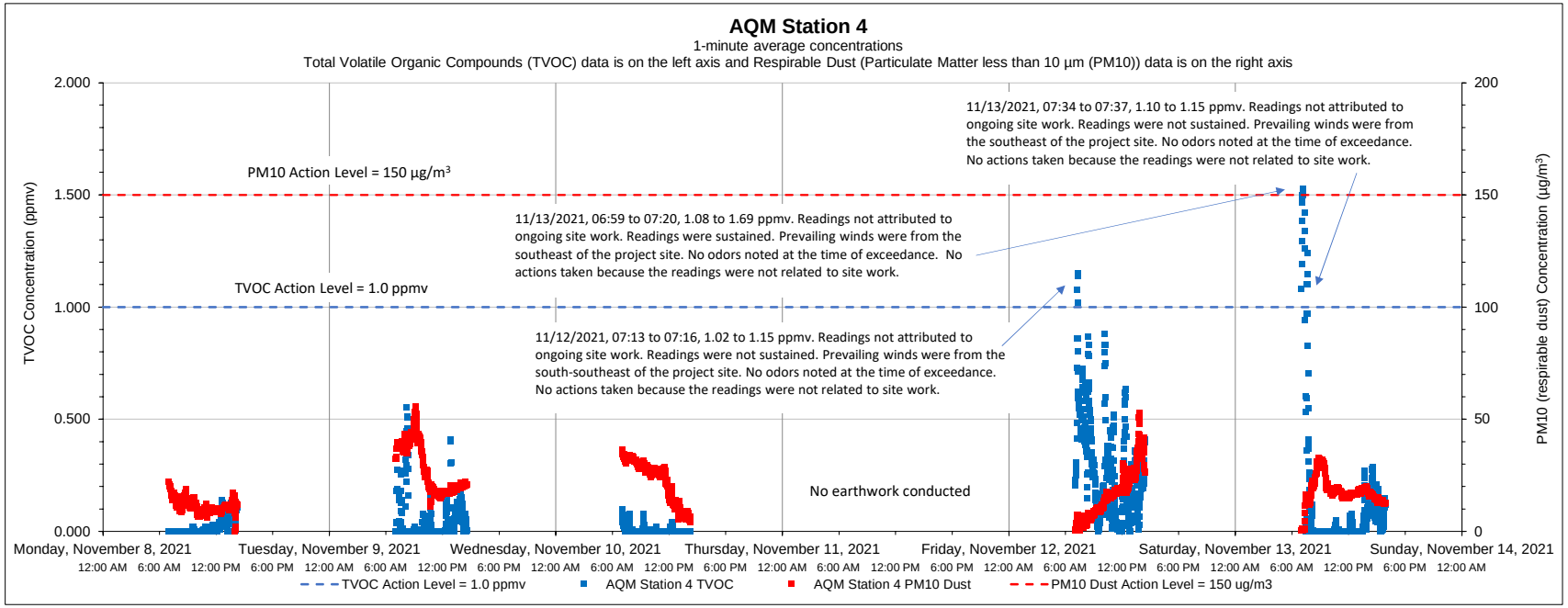

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
11/13/2021	6:59 to 7:20	TVOC	1.08 to 1.69 ppmv	No actions taken because the readings were not related to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.10	ppm
TVOCs maximum concentration	1.69	ppm
TVOCs action level	1	ppm
PM10 average concentration	19.06	µg/m³
PM10 maximum concentration	55.78	µg/m³
PM10 action level	150	µg/m³

Notes:

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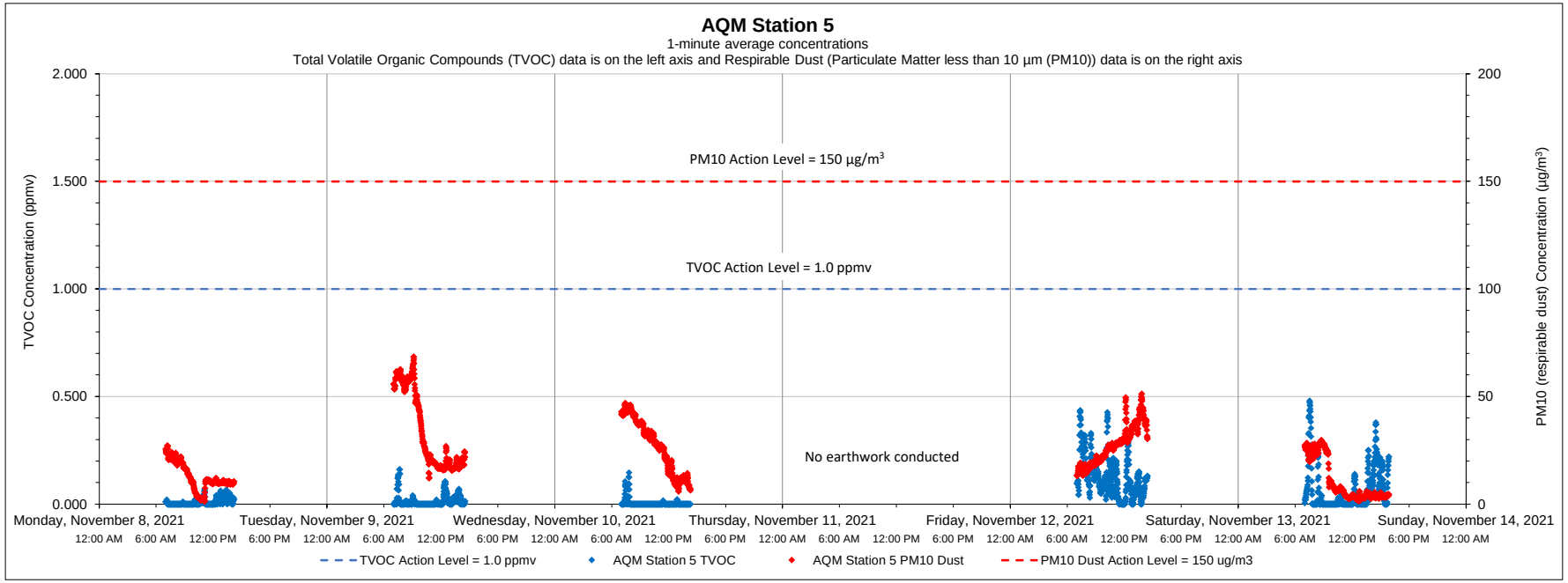

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.67	µg/m³
PM10 maximum concentration	68.50	µg/m³
PM10 action level	150	µg/m³

Notes:

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Liquefaction Facility Project -

11/15/2021

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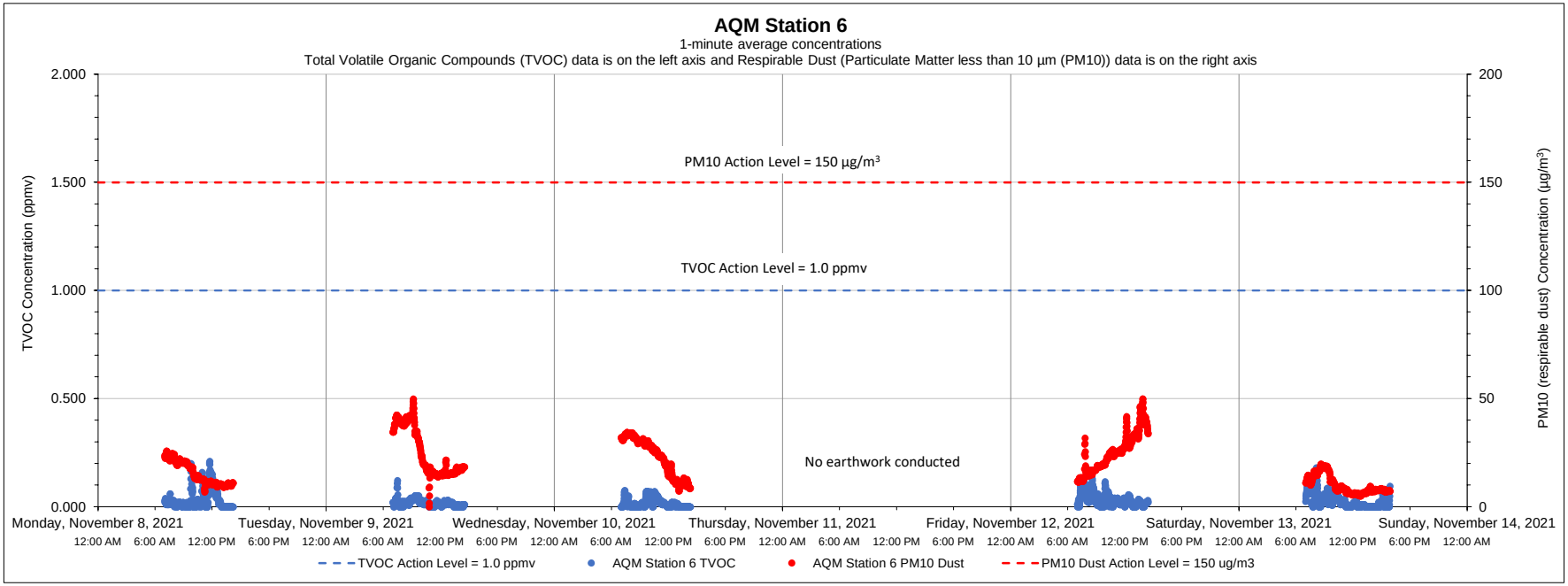

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.21	ppm
TVOCs action level	1	ppm
PM10 average concentration	19.24	µg/m³
PM10 maximum concentration	49.88	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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11/22/2021

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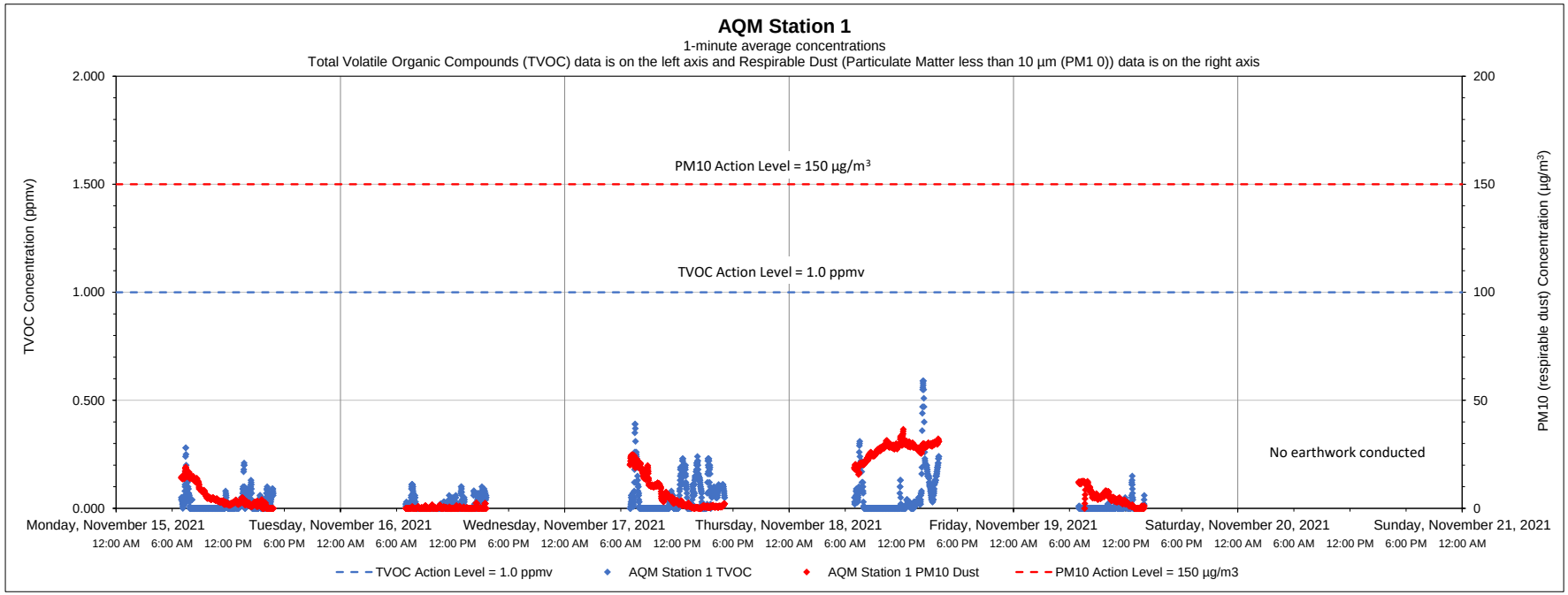

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.59	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.93	µg/m³
PM10 maximum concentration	36.56	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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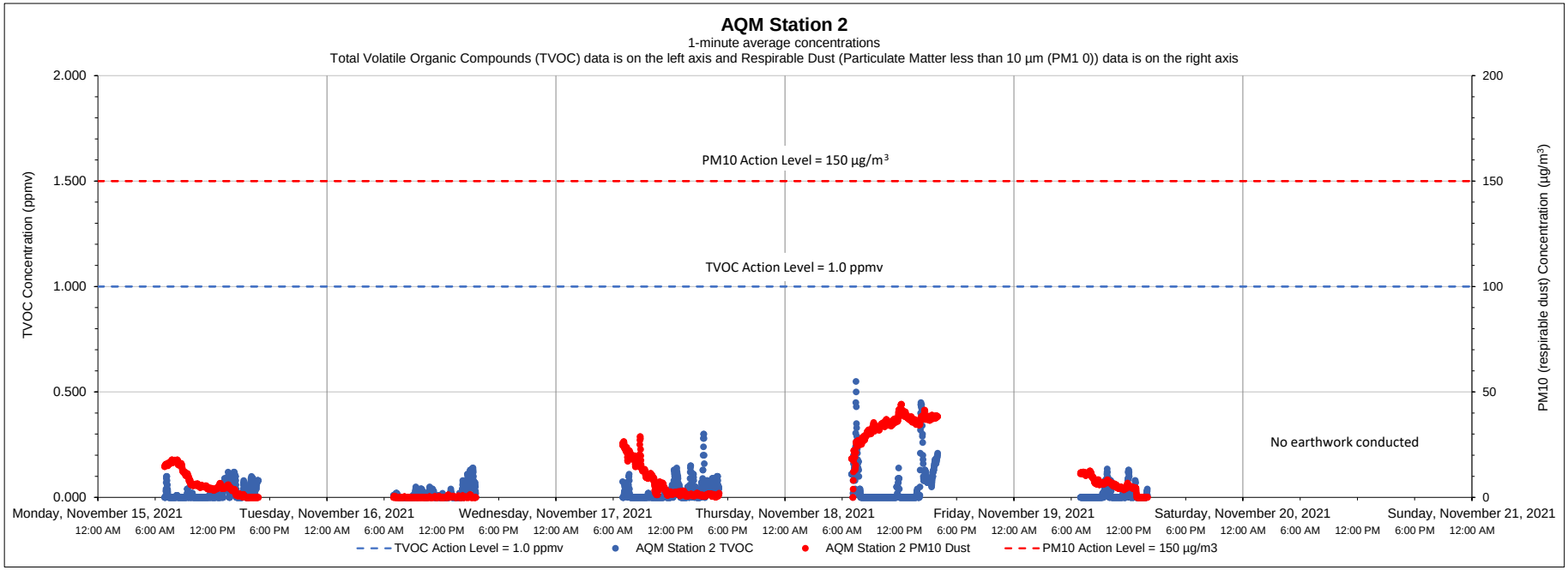

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.55	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.75	µg/m^3
PM10 maximum concentration	44.19	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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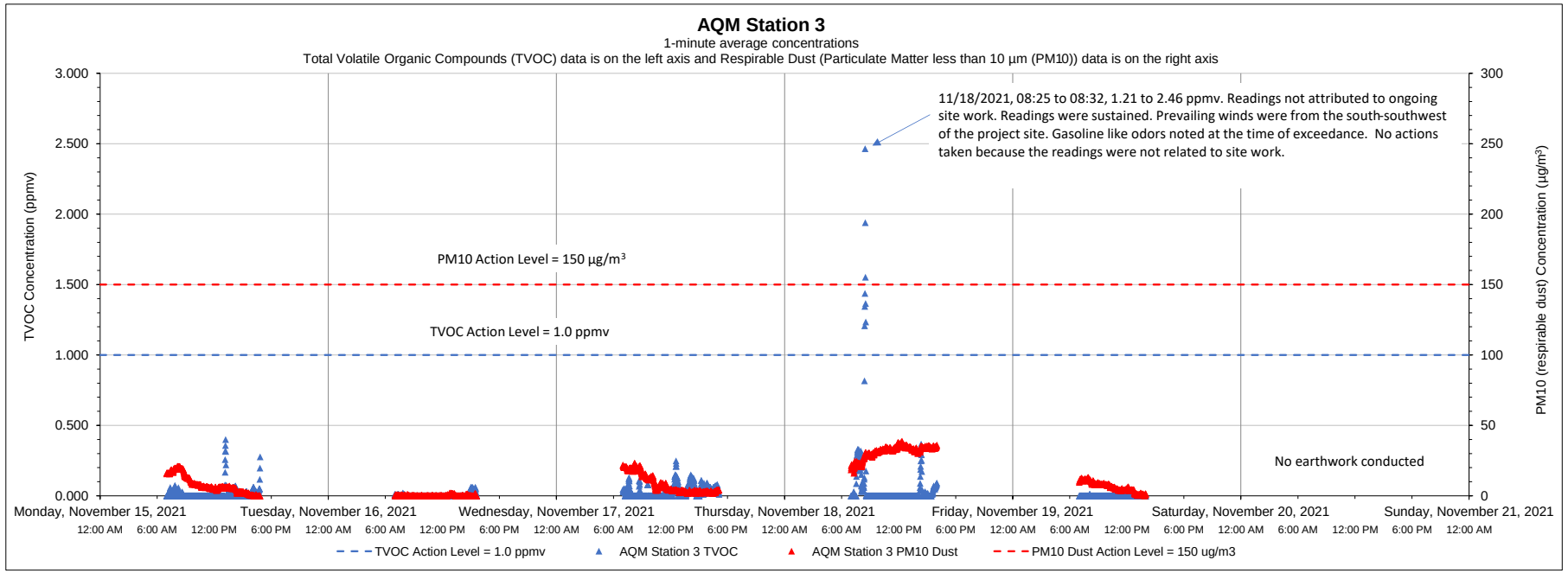

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
11/18/2021	08:25 to 08:32	TVOC	1.21 to 2.46 ppmv	No actions taken because the readings were not related to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	2.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.03	µg/m^3
PM10 maximum concentration	38.86	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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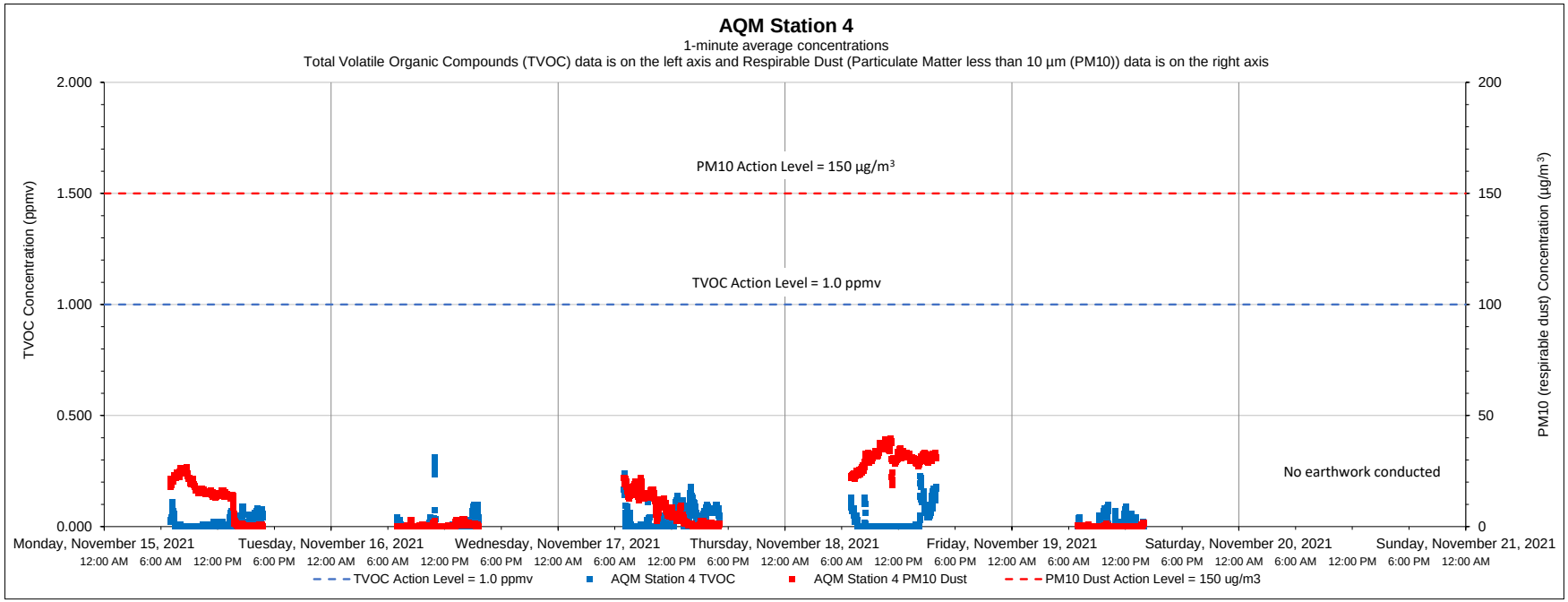

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.74	µg/m^3
PM10 maximum concentration	39.60	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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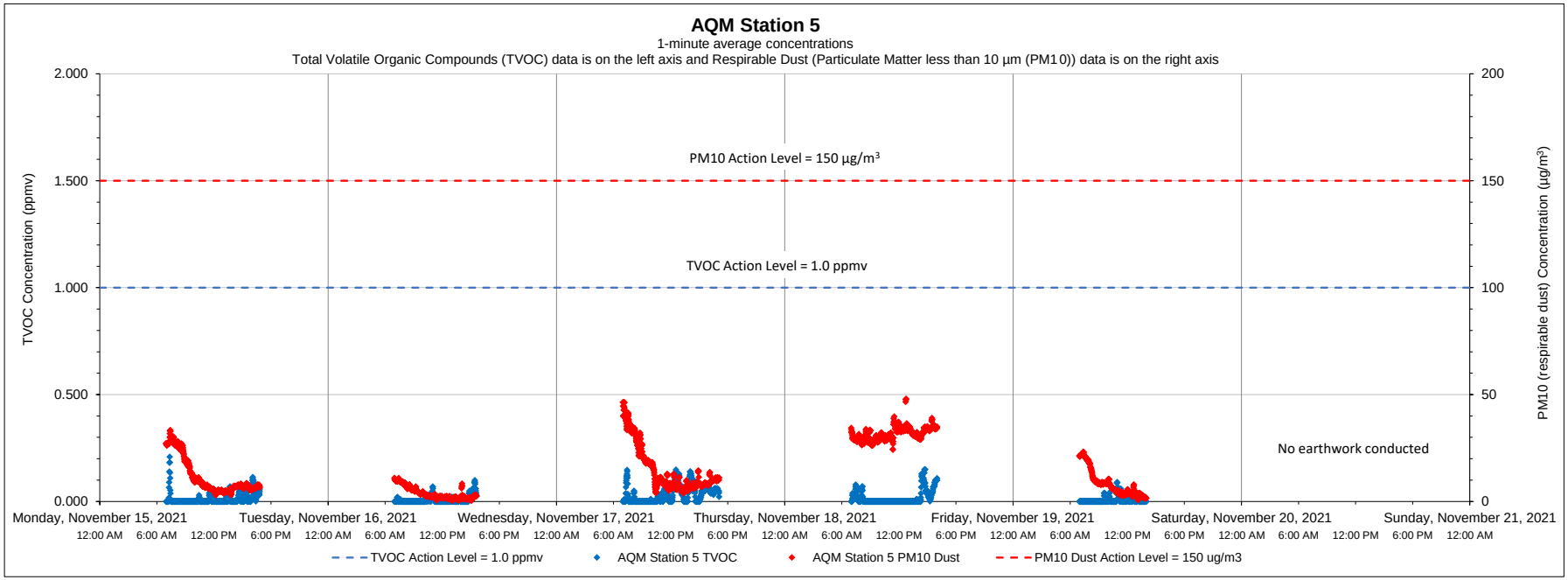

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.21	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.25	µg/m^3
PM10 maximum concentration	48.05	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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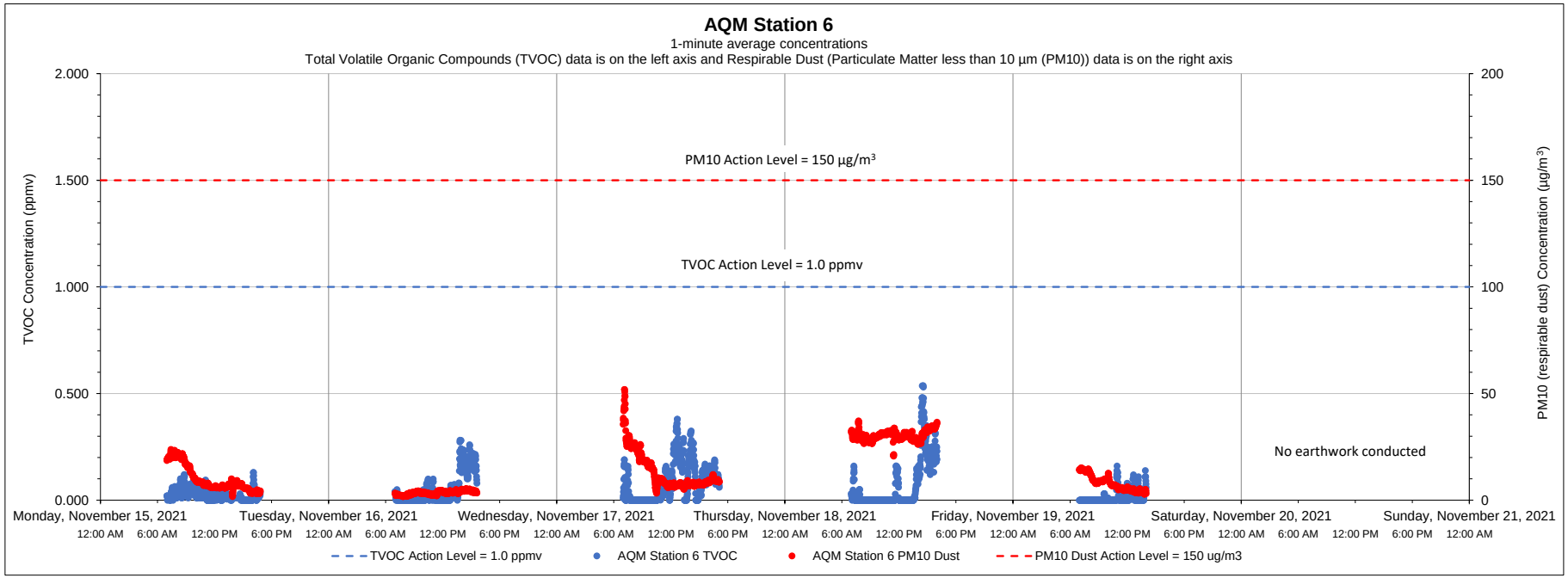

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.54	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.17	µg/m^3
PM10 maximum concentration	51.91	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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11/29/2021

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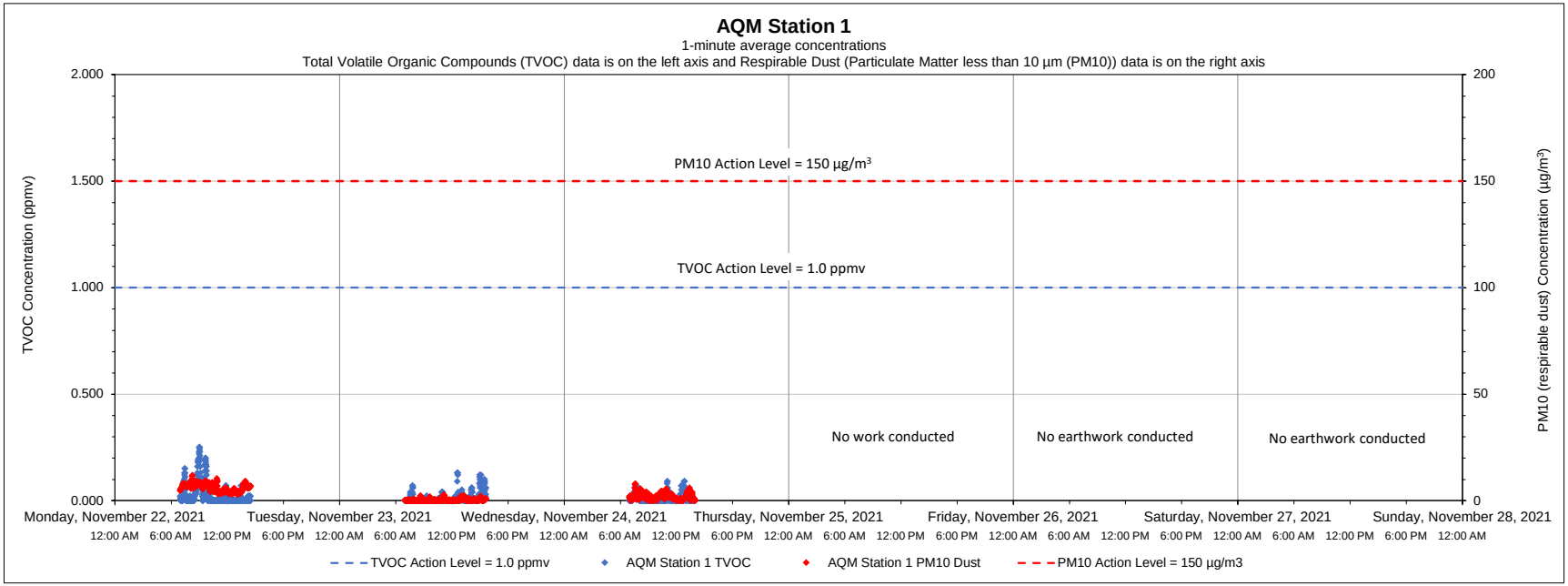

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.64	µg/m³
PM10 maximum concentration	11.87	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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11/29/2021

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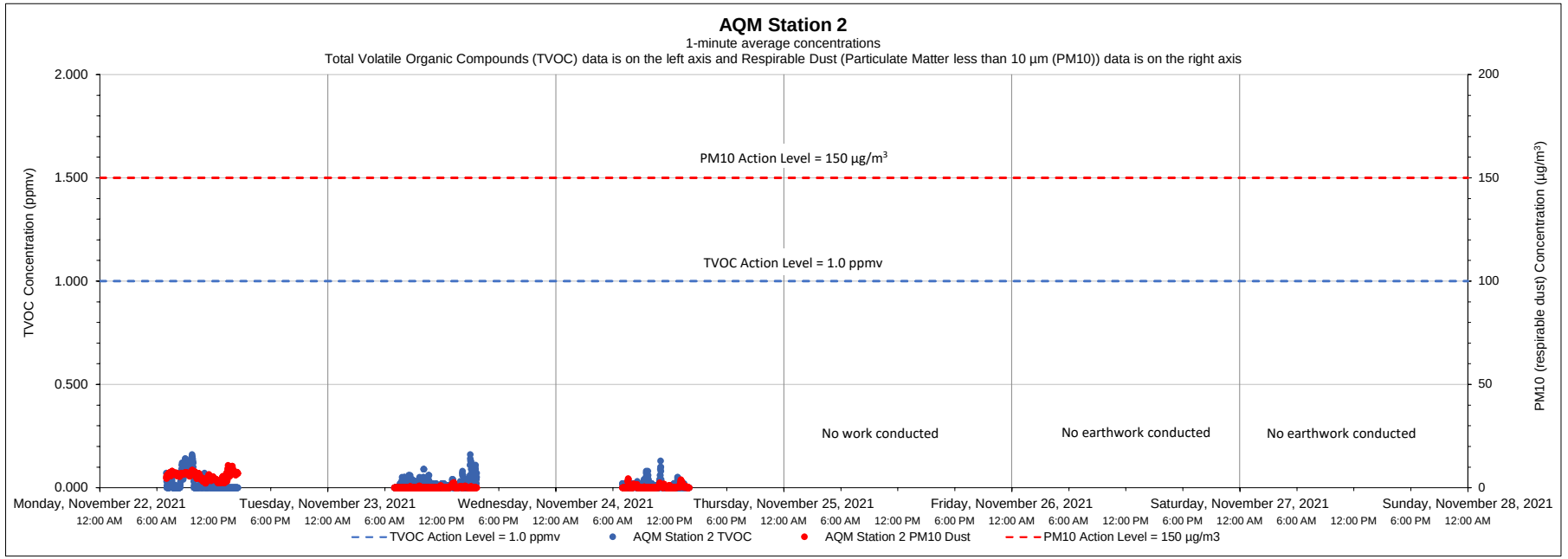
STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.16	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.01	µg/m³
PM10 maximum concentration	10.86	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

GZA Job No. 03.0033554.04

11/29/2021

Liquefaction Facility Project -

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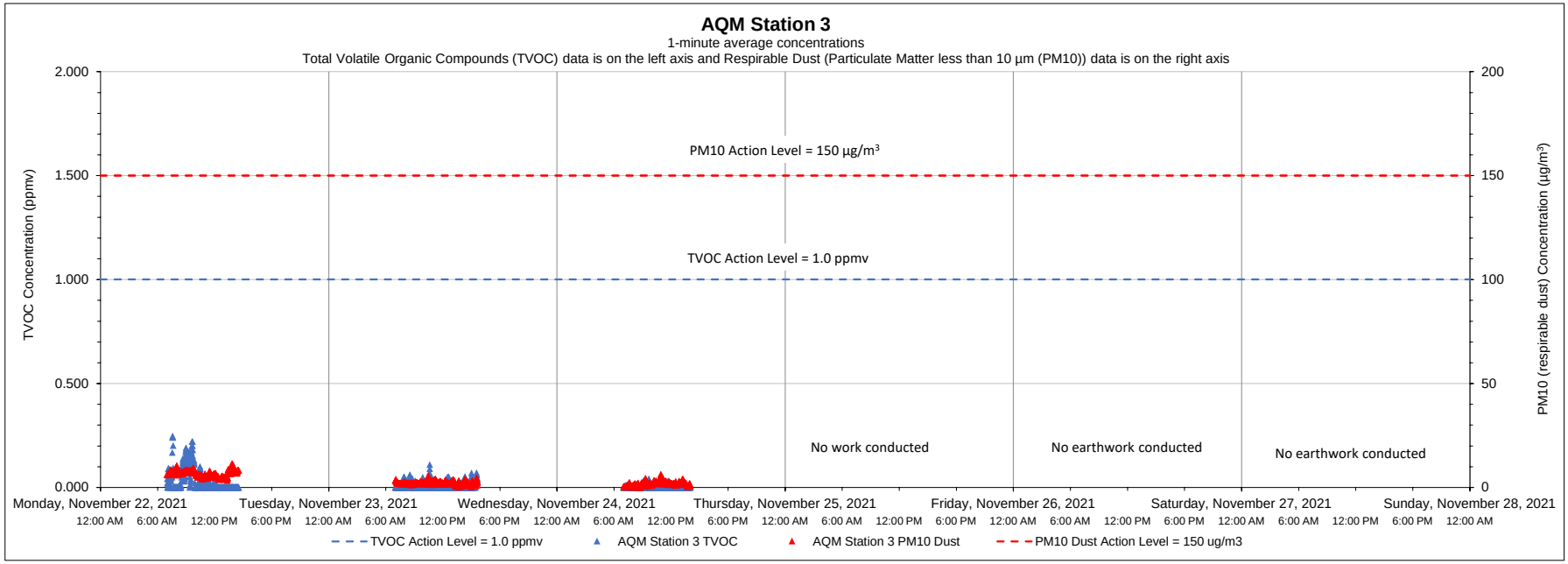

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.43	µg/m³
PM10 maximum concentration	11.51	µg/m³
PM10 action level	150	µg/m³

Notes:

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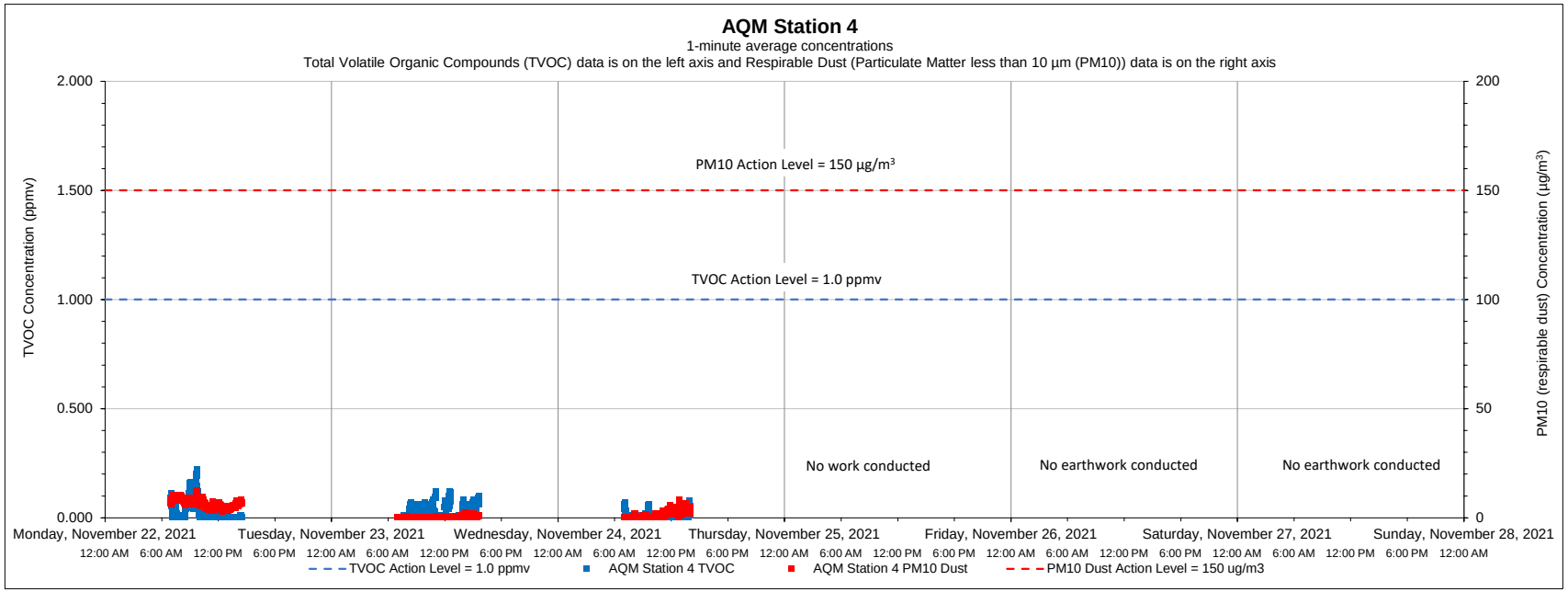

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.22	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.63	µg/m^3
PM10 maximum concentration	12.39	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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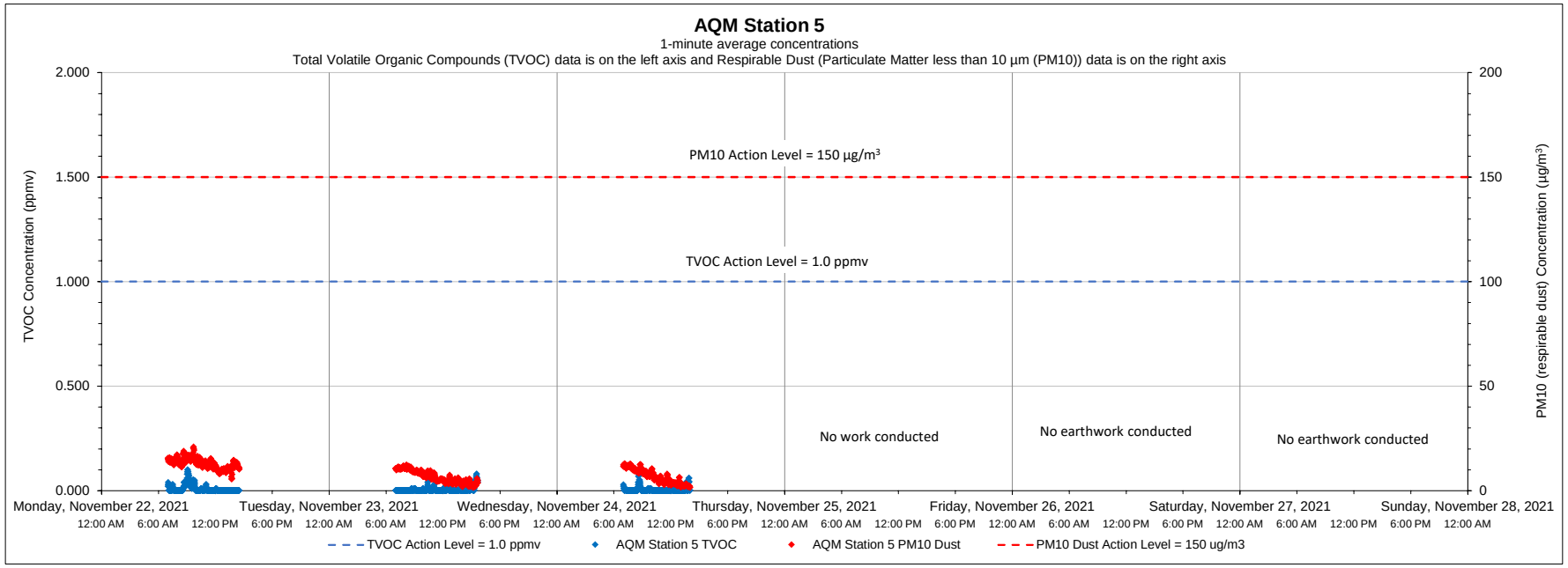

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.56	µg/m³
PM10 maximum concentration	20.88	µg/m³
PM10 action level	150	µg/m³

Notes:

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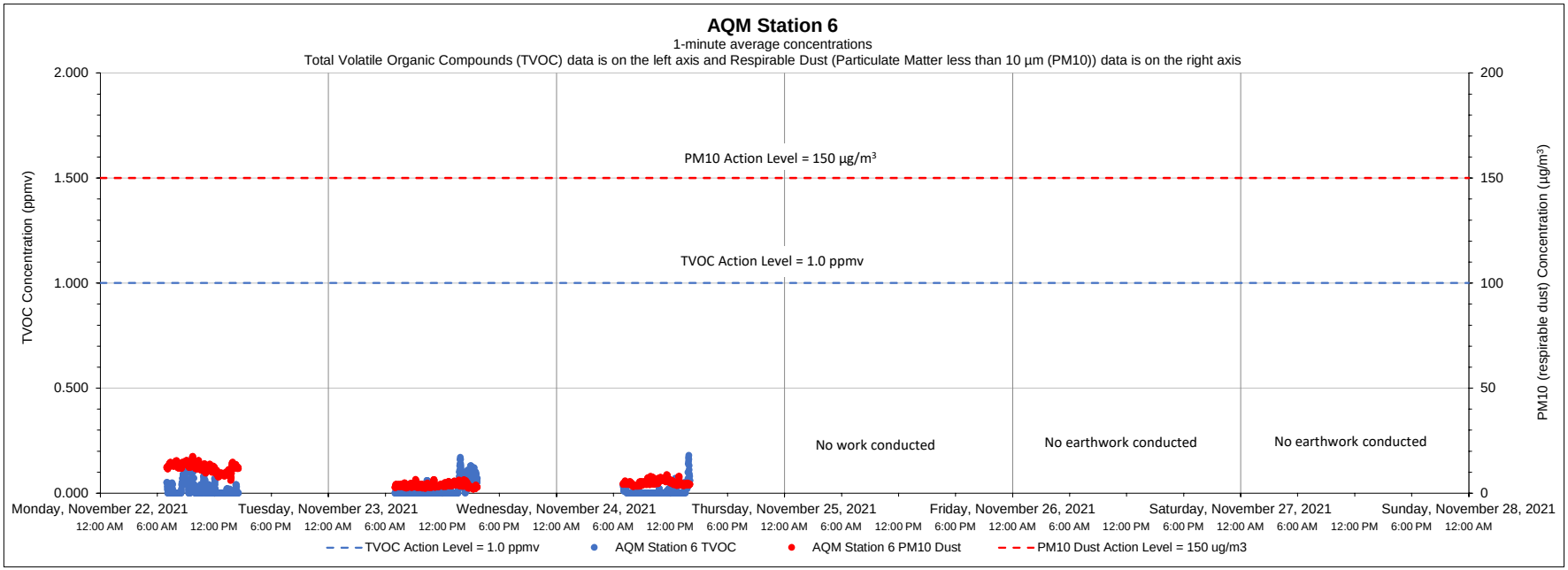

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.78	µg/m^3
PM10 maximum concentration	17.40	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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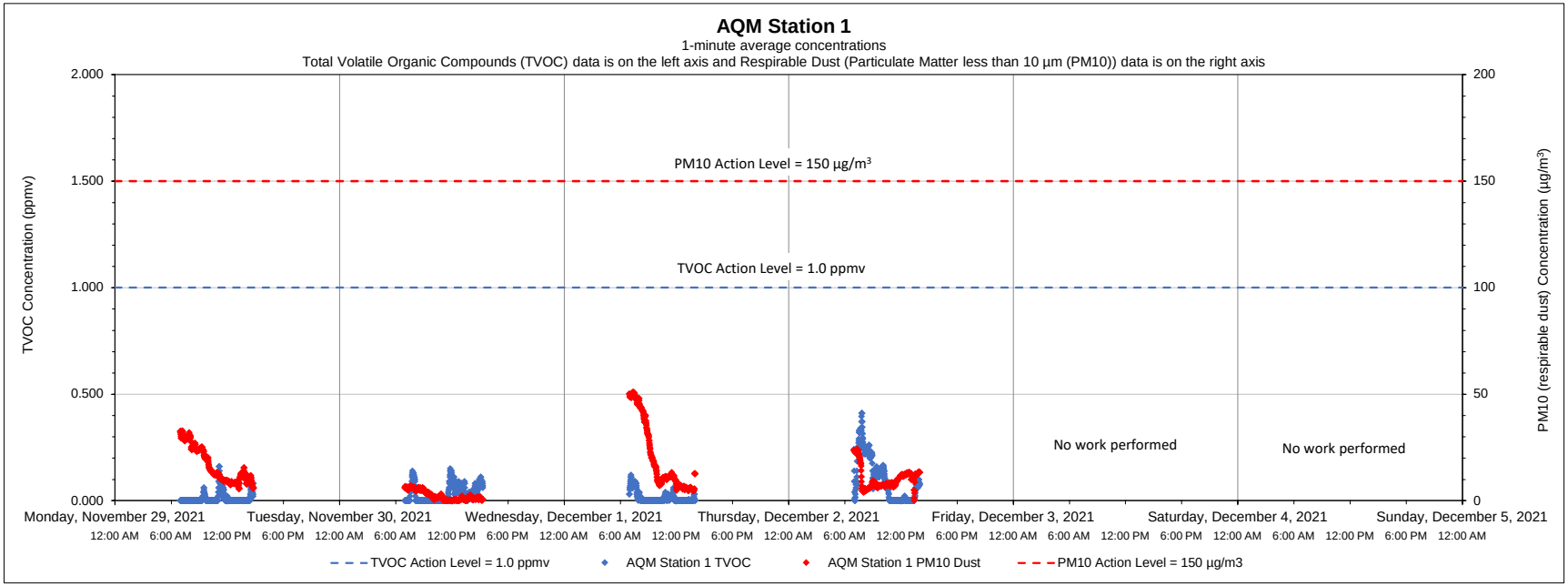

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.41	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.90	µg/m³
PM10 maximum concentration	50.94	µg/m³
PM10 action level	150	µg/m³

Notes:

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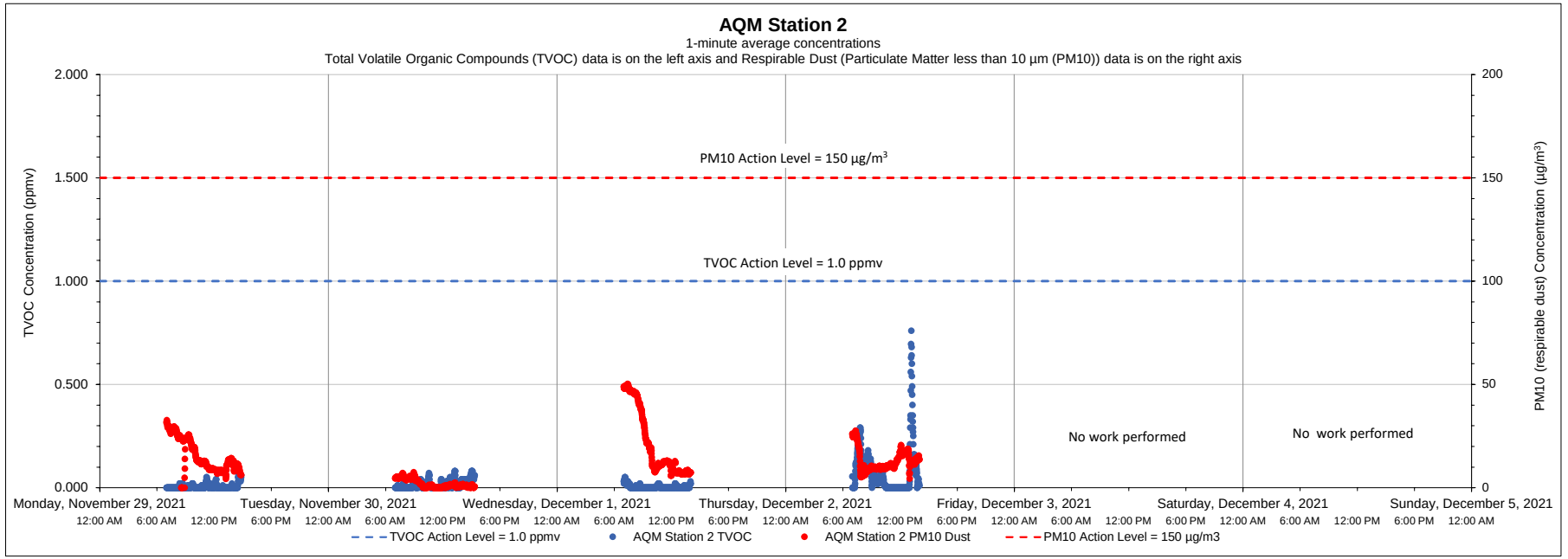

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.76	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.39	µg/m³
PM10 maximum concentration	50.23	µg/m³
PM10 action level	150	µg/m³

Notes:

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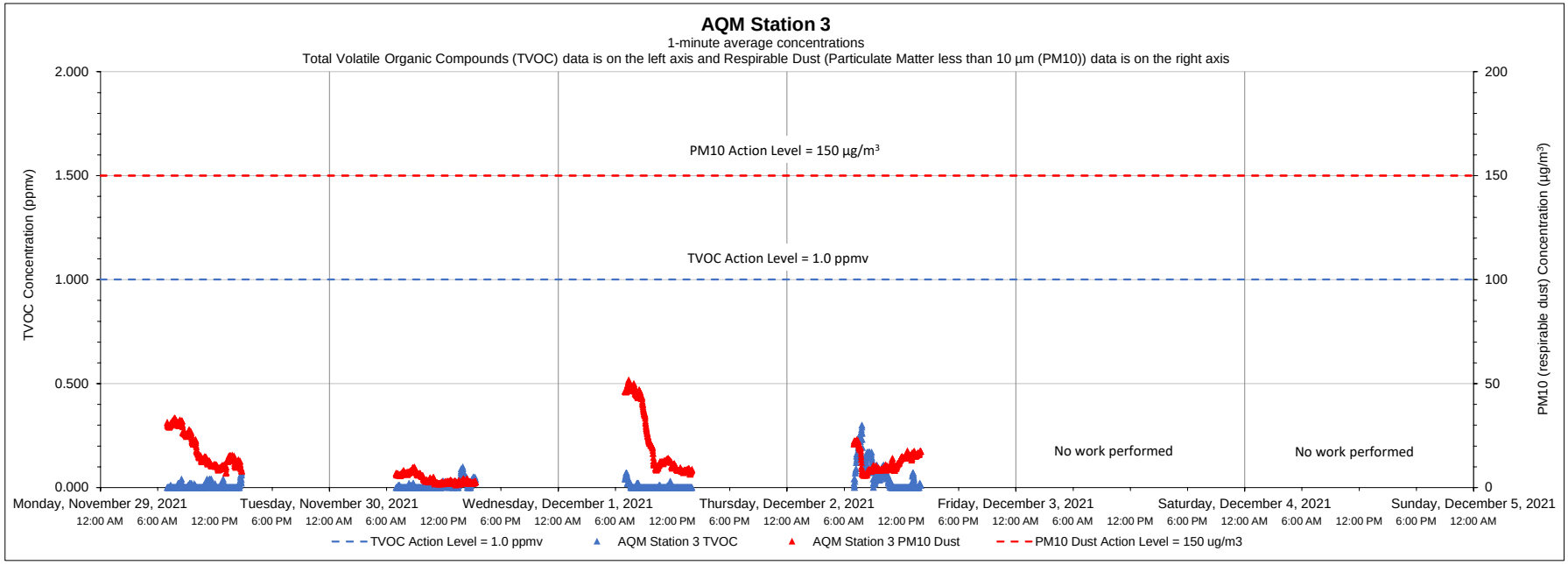

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.95	µg/m³
PM10 maximum concentration	51.76	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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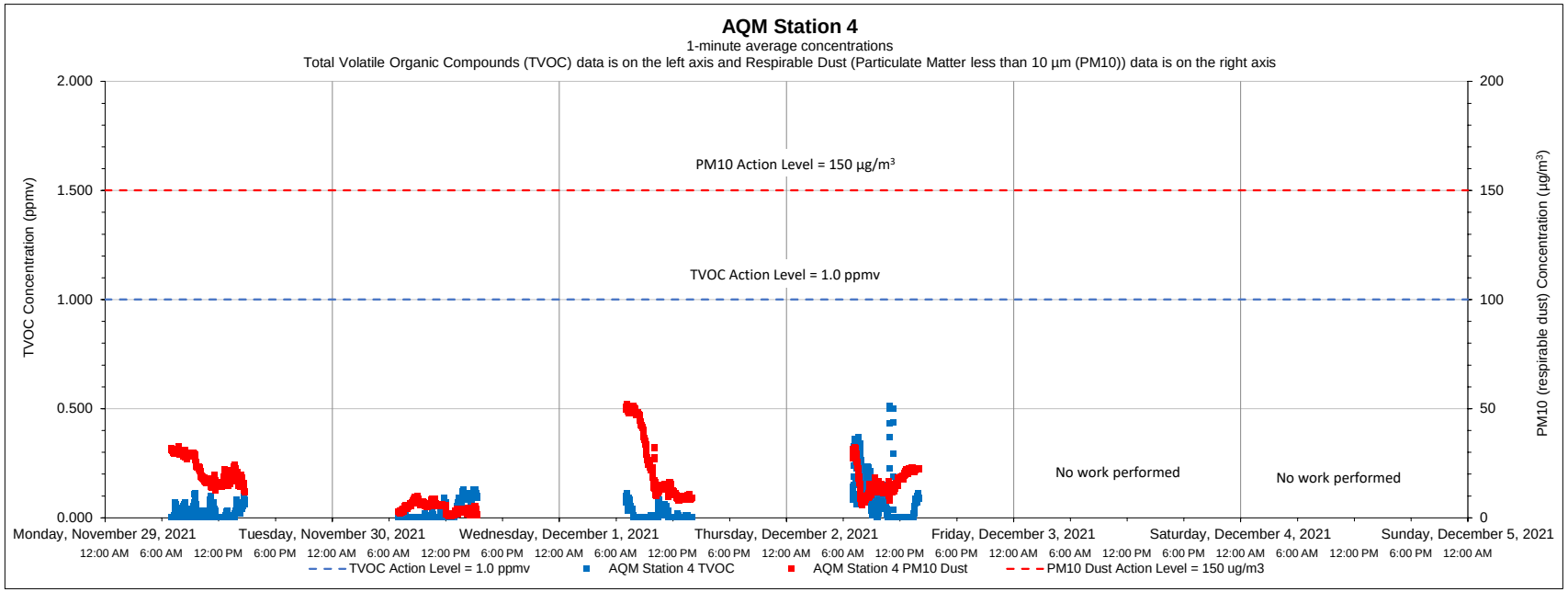

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.51	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.09	µg/m^3
PM10 maximum concentration	51.72	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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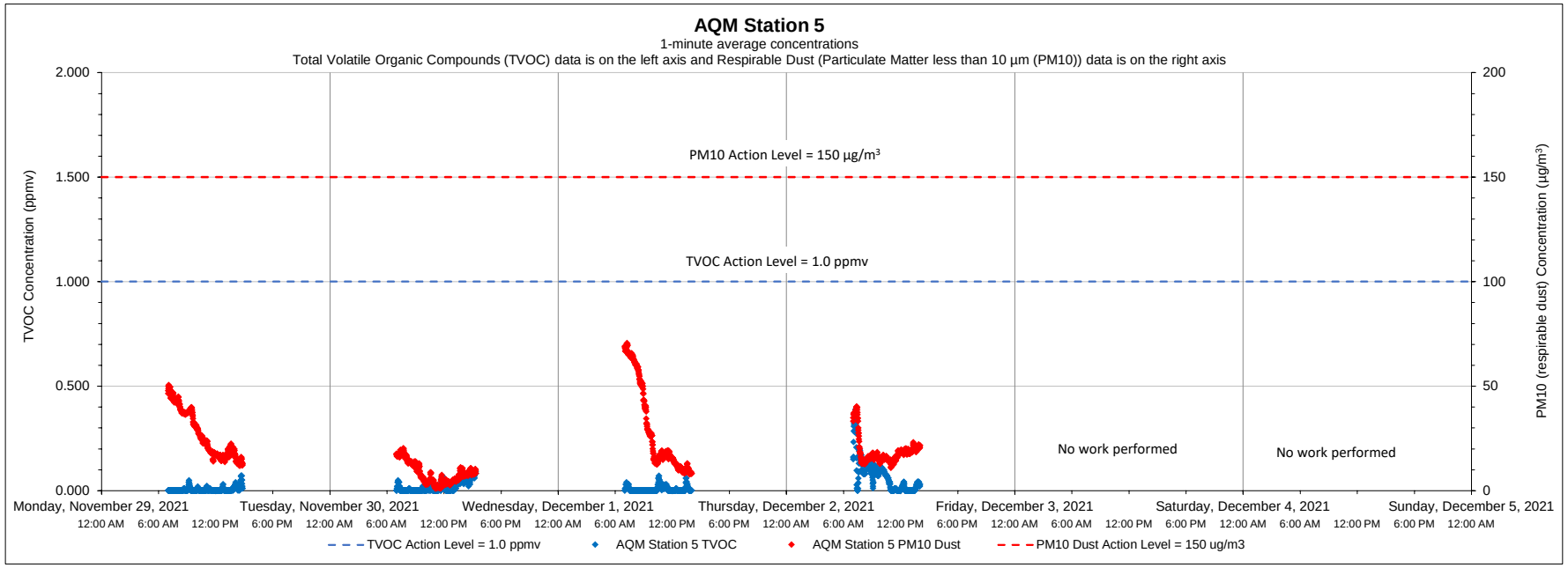

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.39	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.22	µg/m³
PM10 maximum concentration	70.47	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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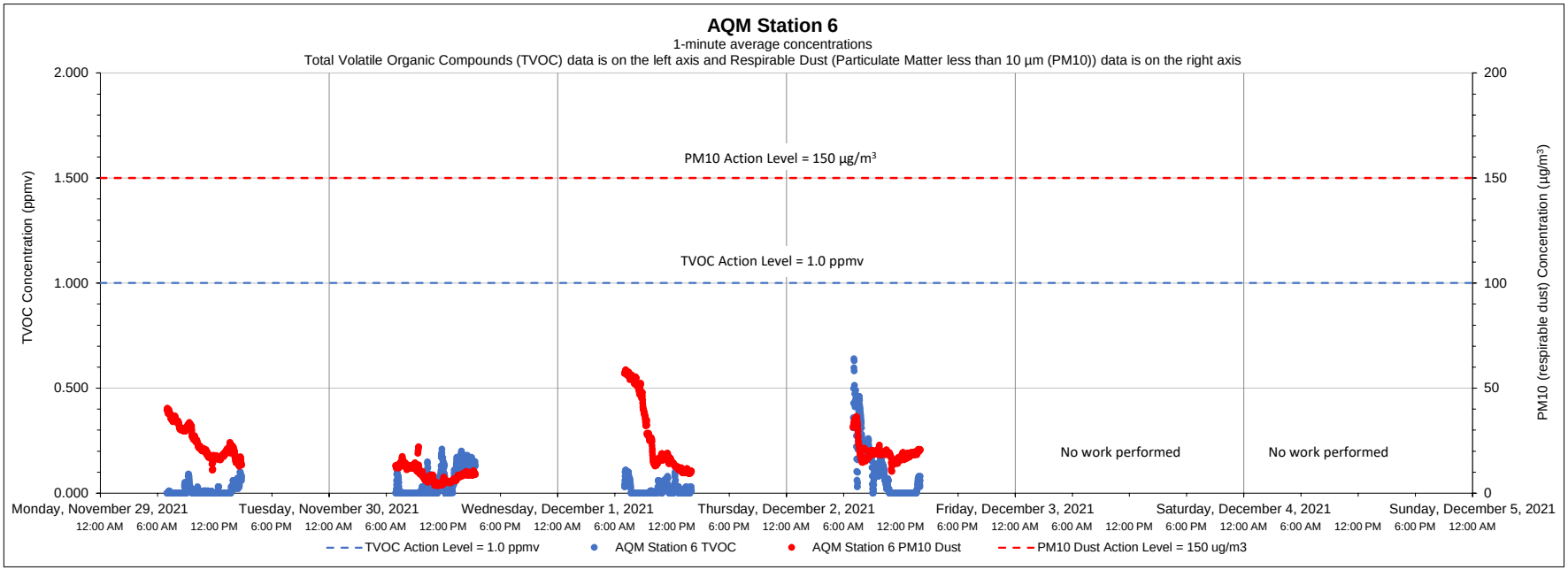

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.64	ppm
TVOCs action level	1	ppm
PM10 average concentration	19.35	µg/m^3
PM10 maximum concentration	58.71	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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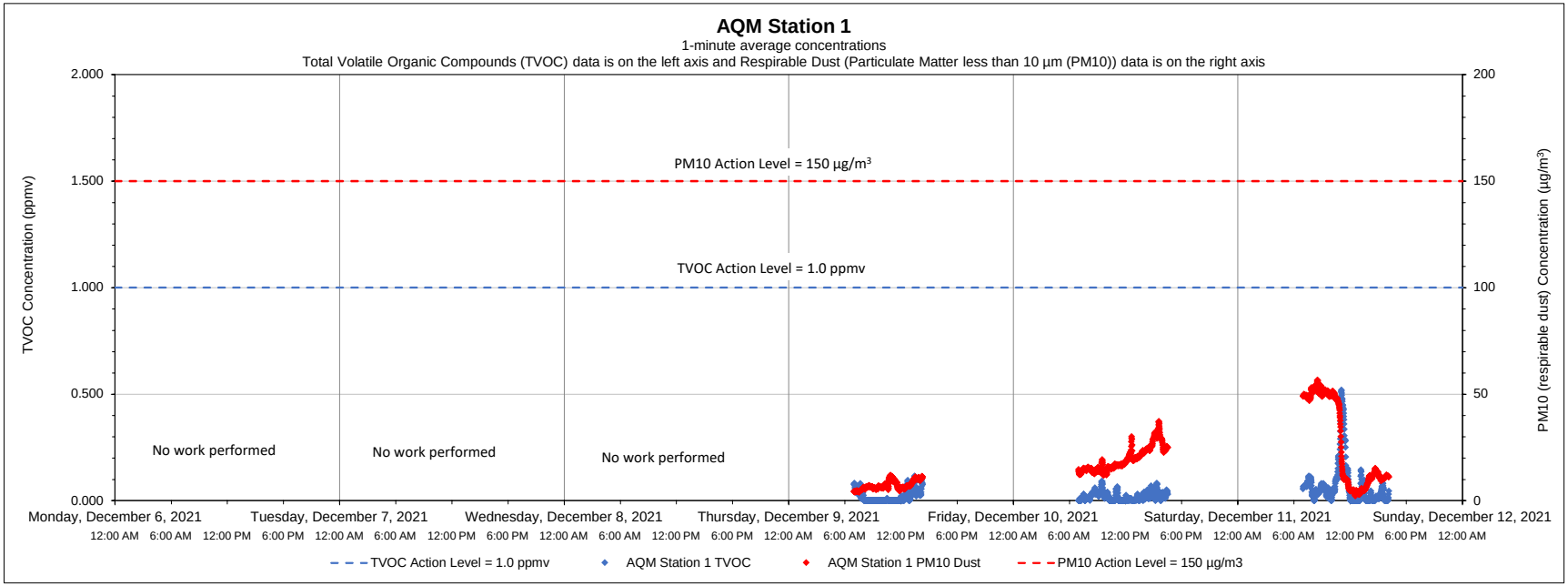

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.52	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.59	µg/m³
PM10 maximum concentration	56.58	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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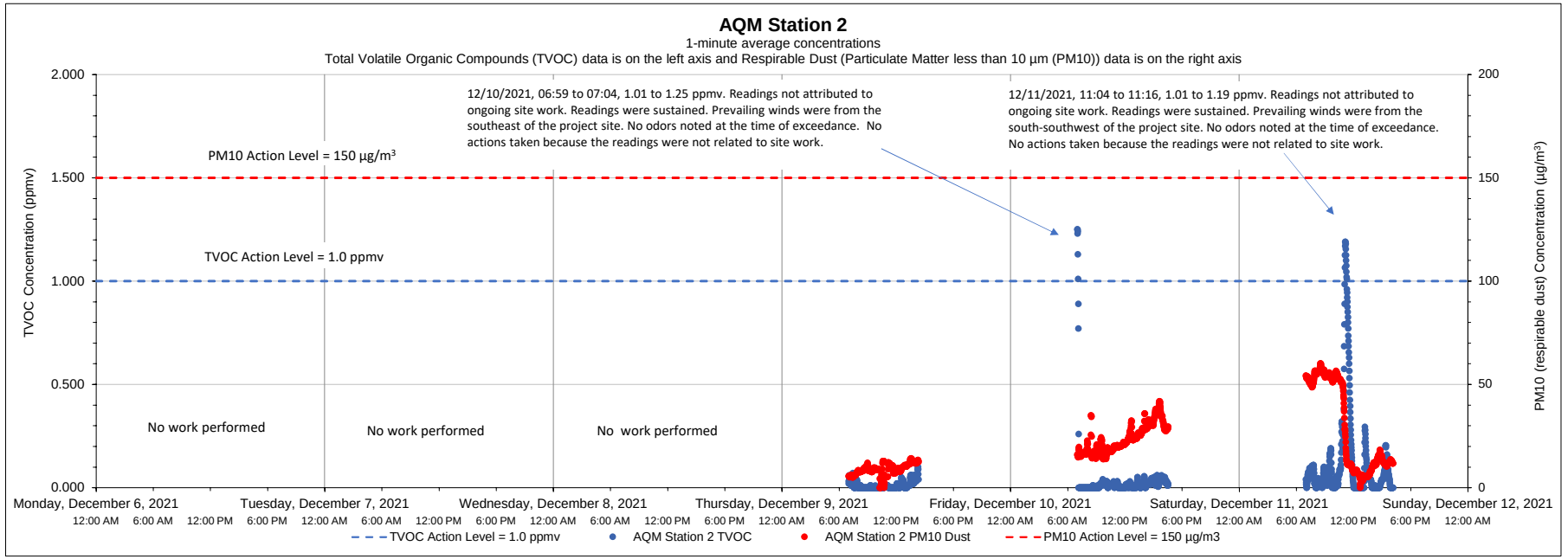

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
12/10/2021	06:59 to 07:04	TVOC	1.01 to 1.25 ppmv	No actions taken because the readings were not related to site work
12/11/2021	11:04 to 11:16	TVOC	1.01 to 1.19 ppmv	No actions taken because the readings were not related to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.34	µg/m³
PM10 maximum concentration	60.20	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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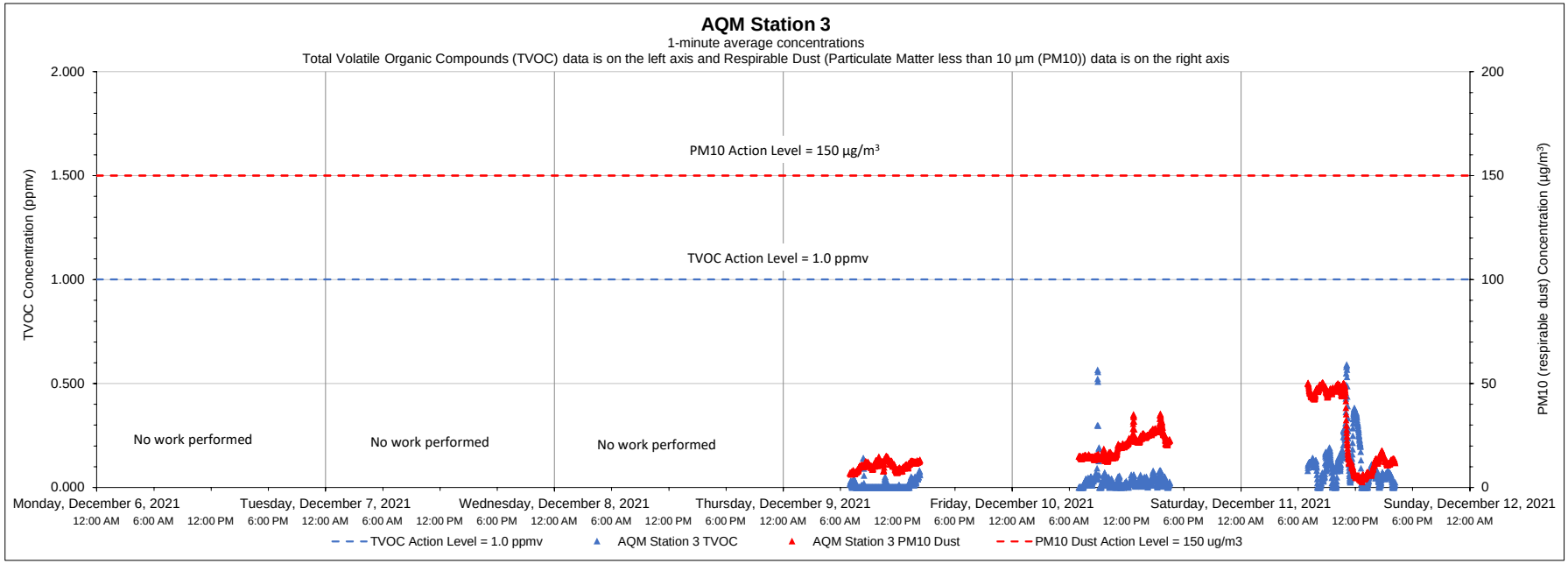

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.59	ppm
TVOCs action level	1	ppm
PM10 average concentration	19.67	µg/m³
PM10 maximum concentration	50.28	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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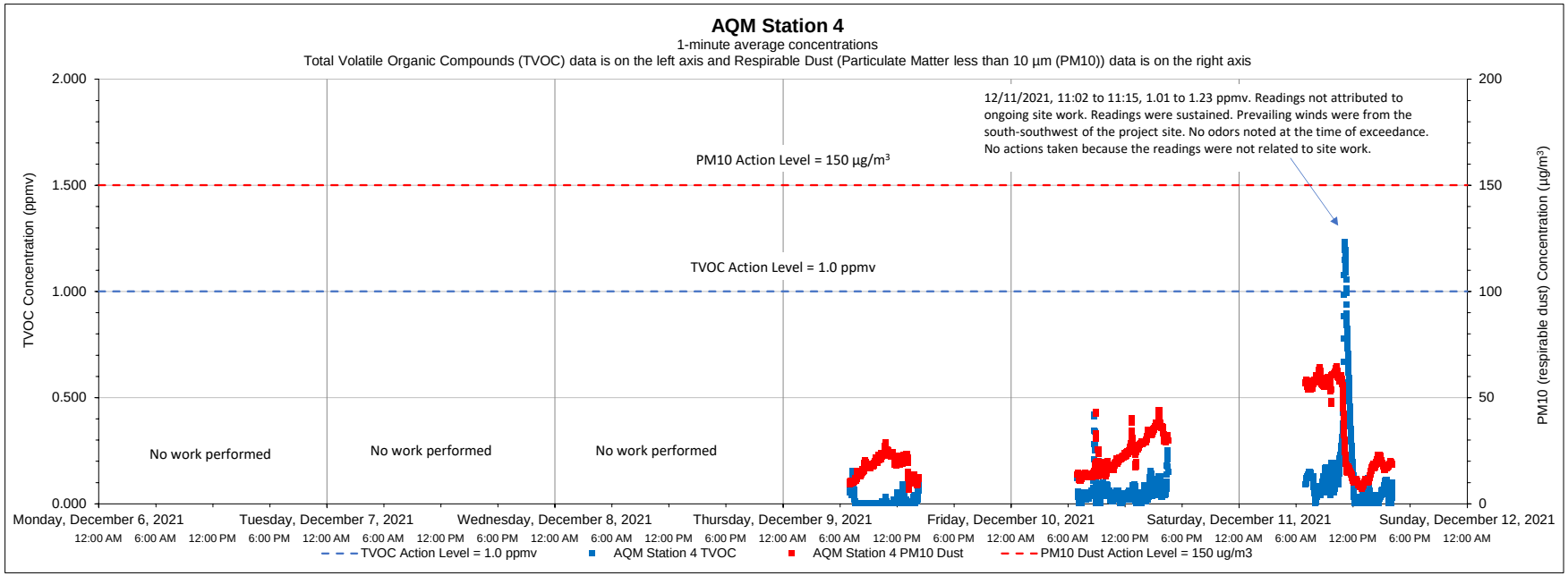

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
12/11/2021	11:02 to 11:15	TVOC	1.01 to 1.23 ppmv	No actions taken because the readings were not related to site work

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	1.23	ppm
TVOCs action level	1	ppm
PM10 average concentration	25.33	µg/m^3
PM10 maximum concentration	64.43	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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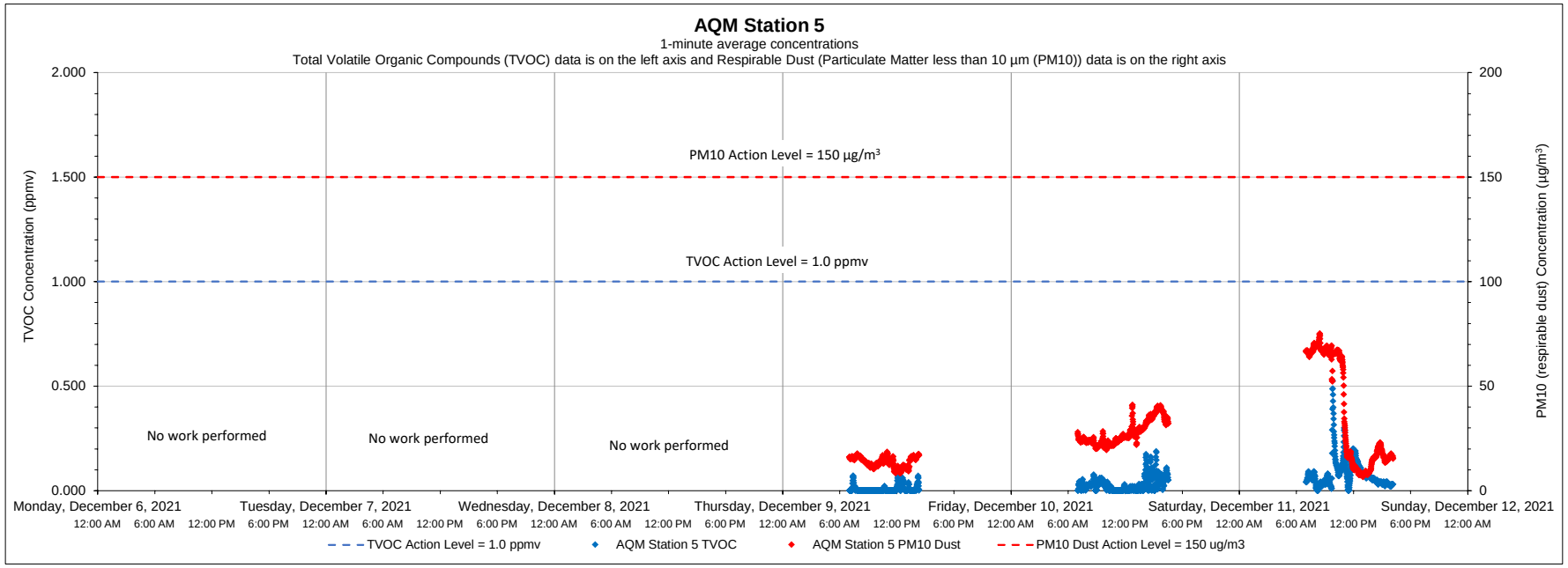

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.52	ppm
TVOCs action level	1	ppm
PM10 average concentration	26.91	µg/m^3
PM10 maximum concentration	75.09	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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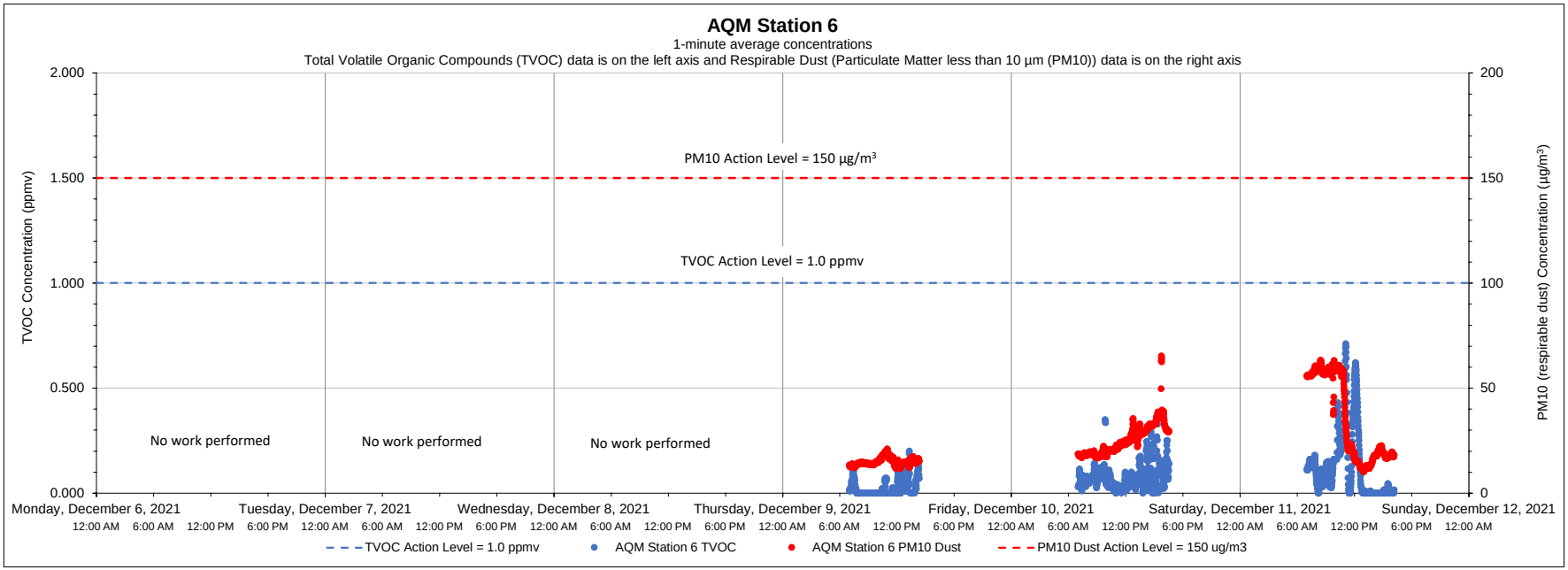

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	0.71	ppm
TVOCs action level	1	ppm
PM10 average concentration	25.68	µg/m^3
PM10 maximum concentration	65.28	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

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Prepared by GZA on behalf of National Grid LNG LLC

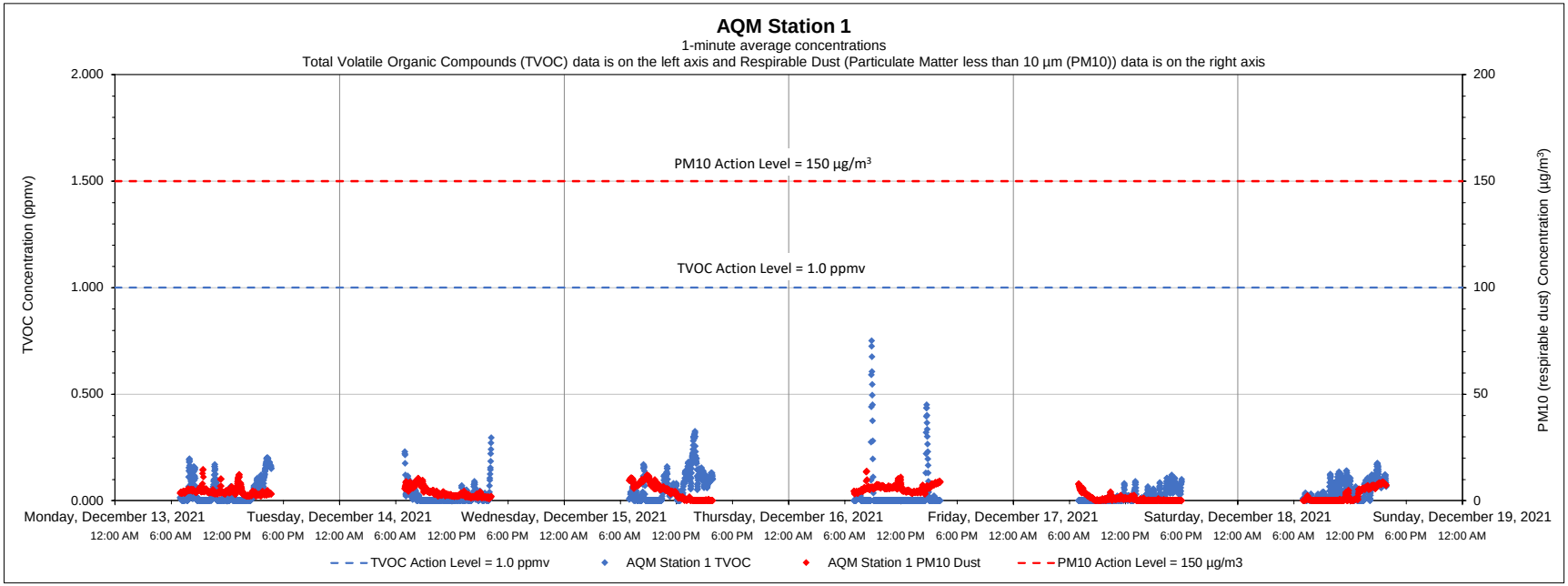
GZA Job No. 03.0033554.04

12/20/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.75	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.45	µg/m³
PM10 maximum concentration	14.62	µg/m³
PM10 action level	150	µg/m³

Notes:

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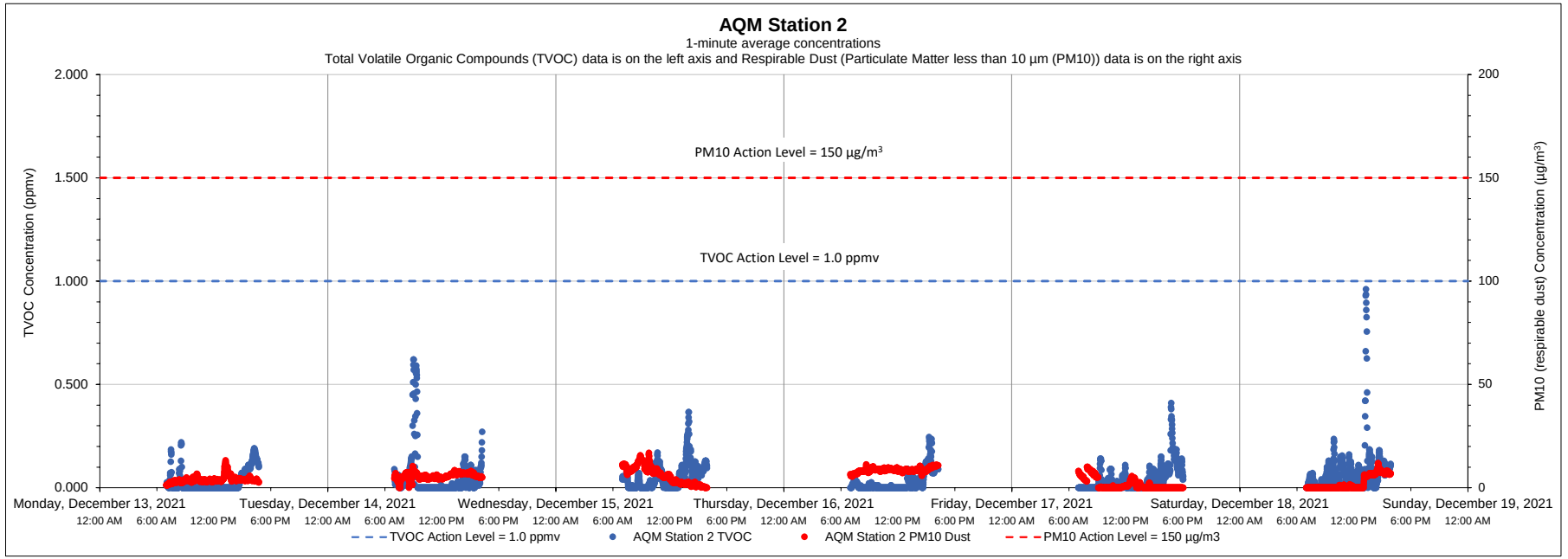

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.96	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.53	µg/m³
PM10 maximum concentration	16.82	µg/m³
PM10 action level	150	µg/m³

Notes:

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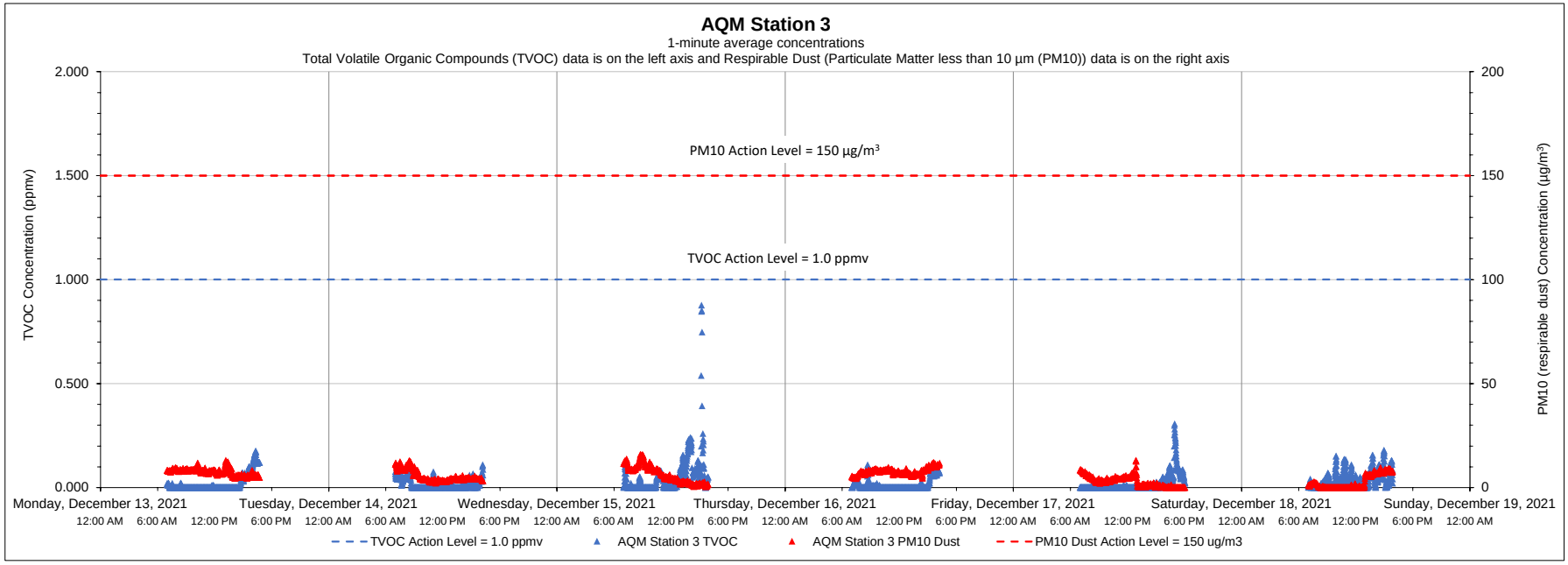

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.88	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.29	µg/m^3
PM10 maximum concentration	15.96	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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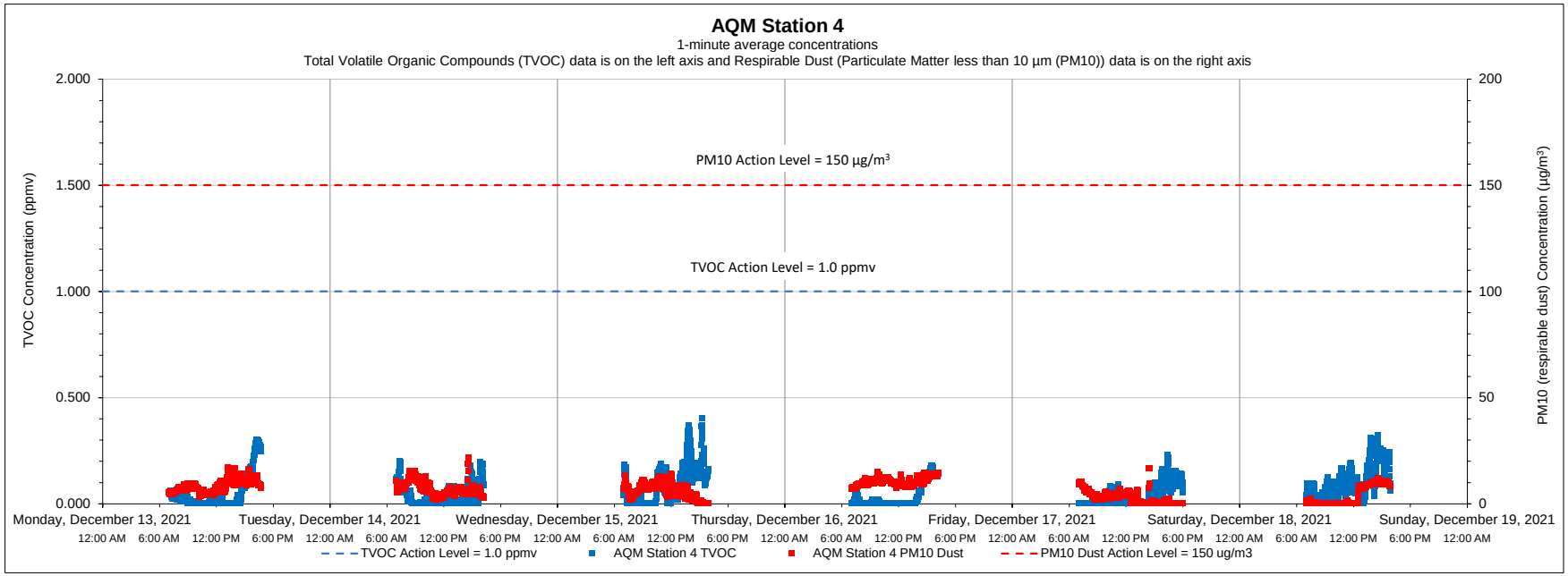

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.11	µg/m^3
PM10 maximum concentration	21.44	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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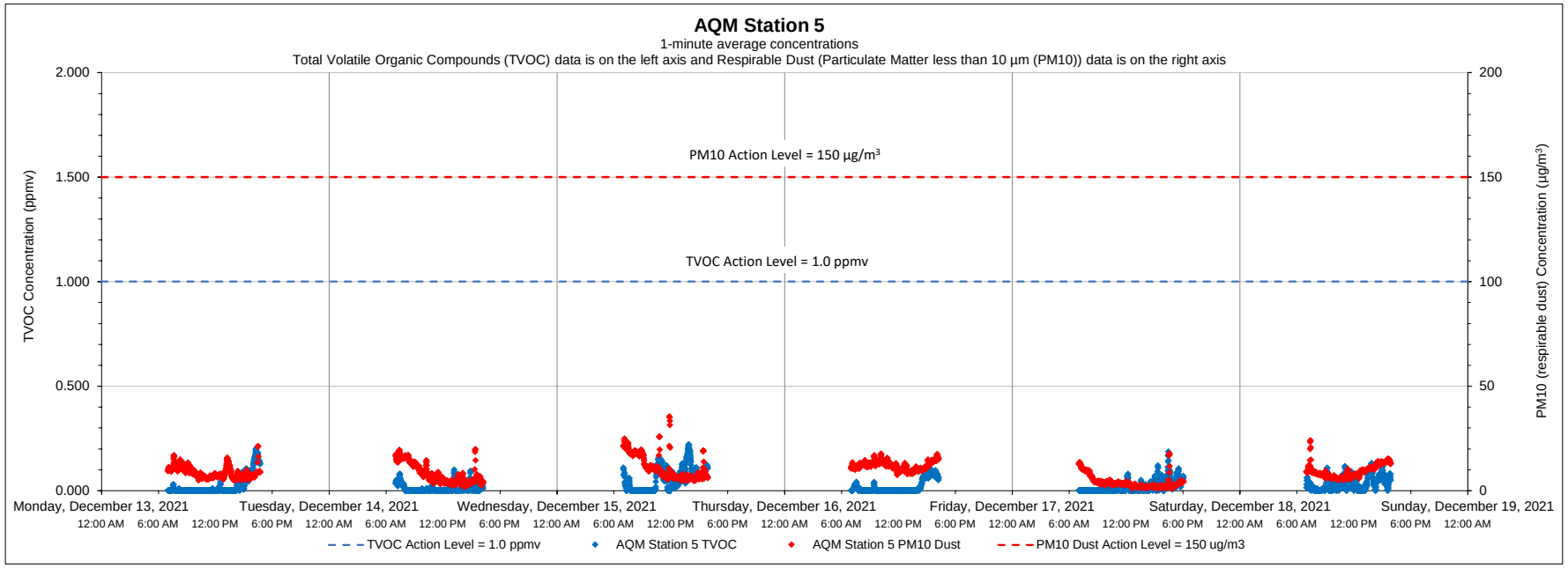

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.22	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.47	µg/m^3
PM10 maximum concentration	35.51	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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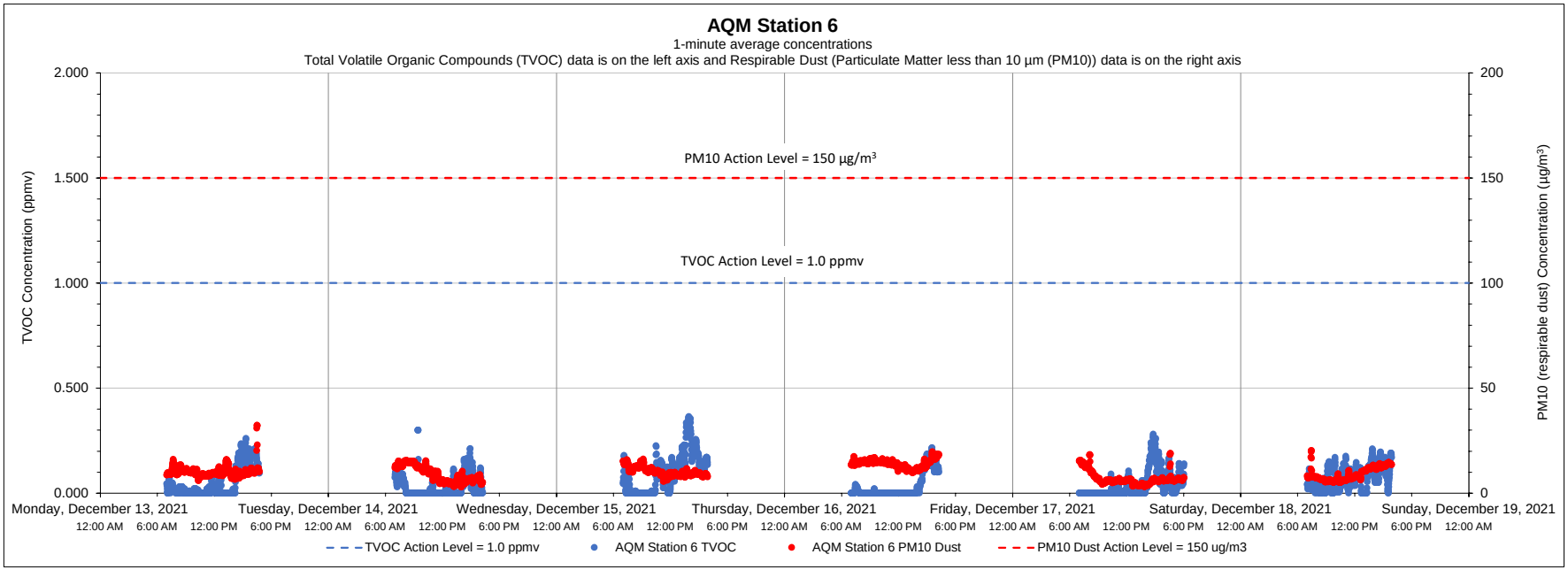

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.36	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.69	µg/m^3
PM10 maximum concentration	32.21	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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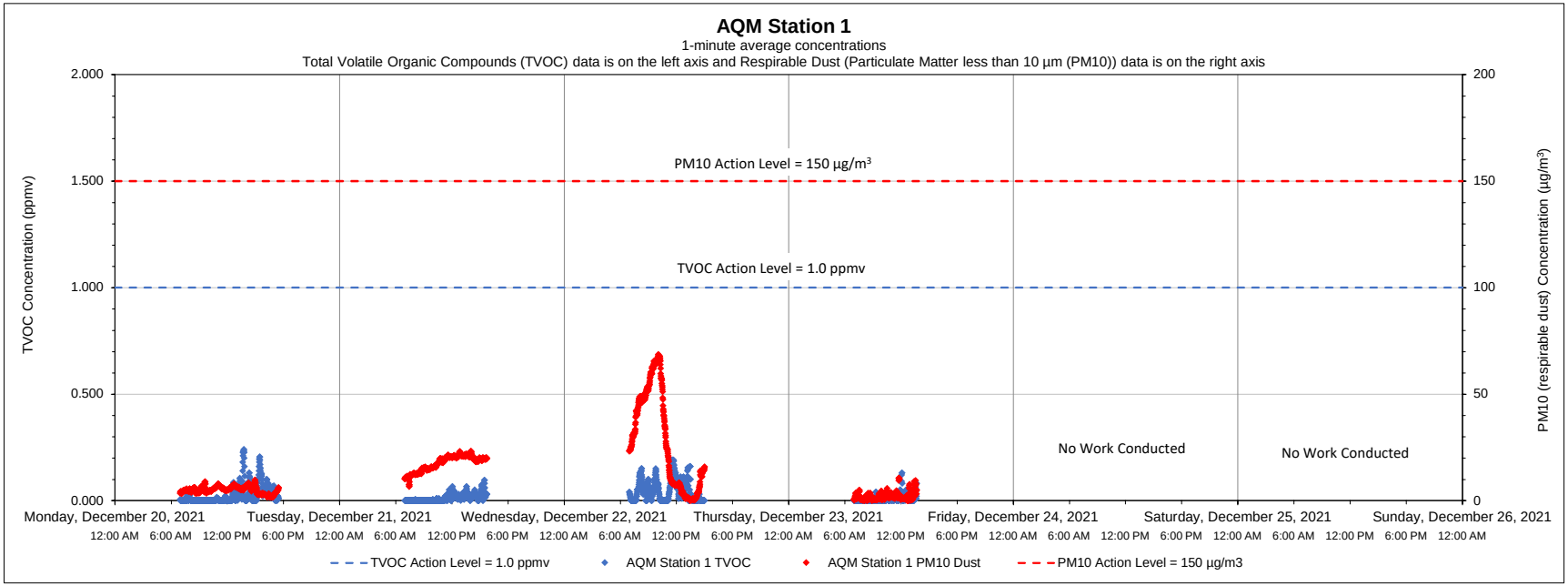

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.88	µg/m³
PM10 maximum concentration	68.54	µg/m³
PM10 action level	150	µg/m³

Notes:

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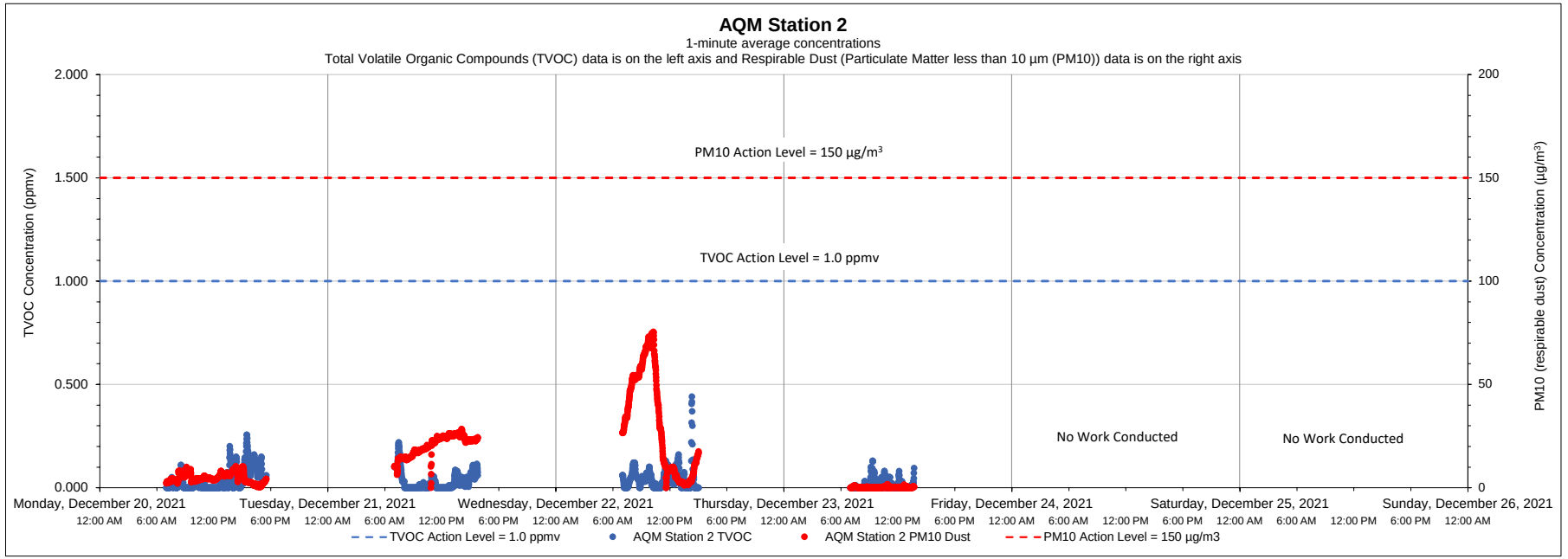

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.44	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.92	µg/m³
PM10 maximum concentration	75.35	µg/m³
PM10 action level	150	µg/m³

Notes:

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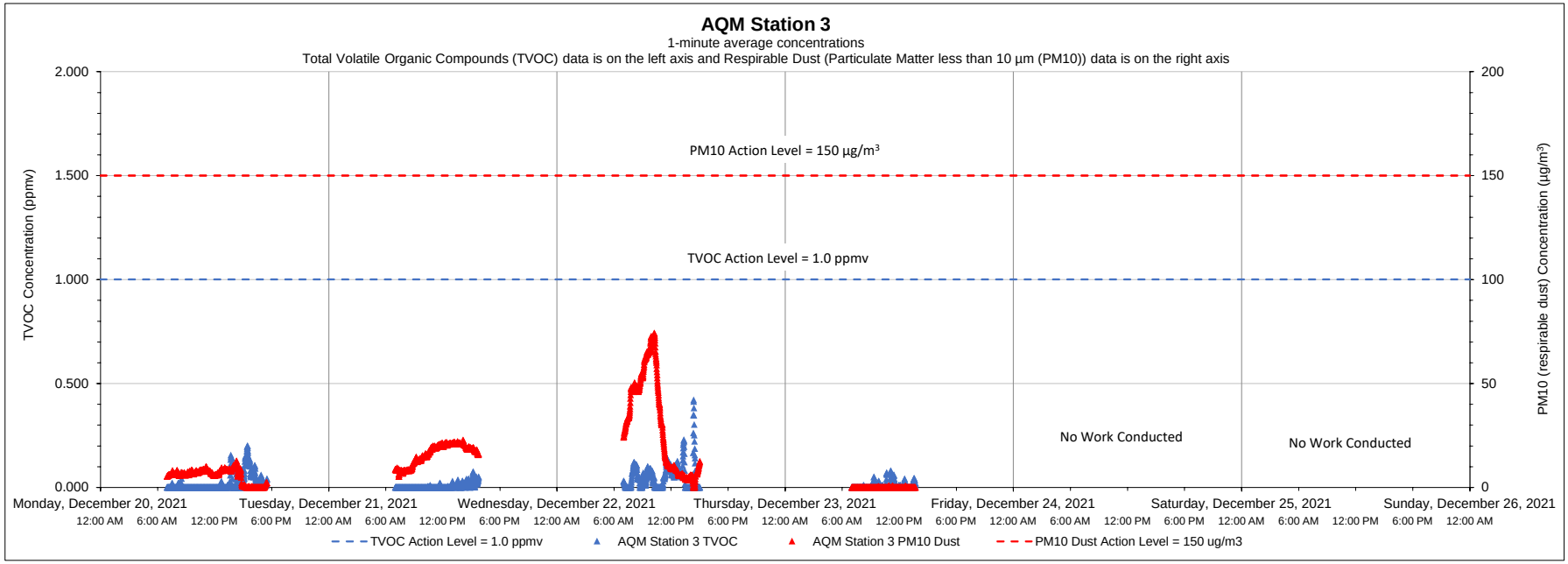

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.42	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.94	µg/m³
PM10 maximum concentration	74.16	µg/m³
PM10 action level	150	µg/m³

Notes:

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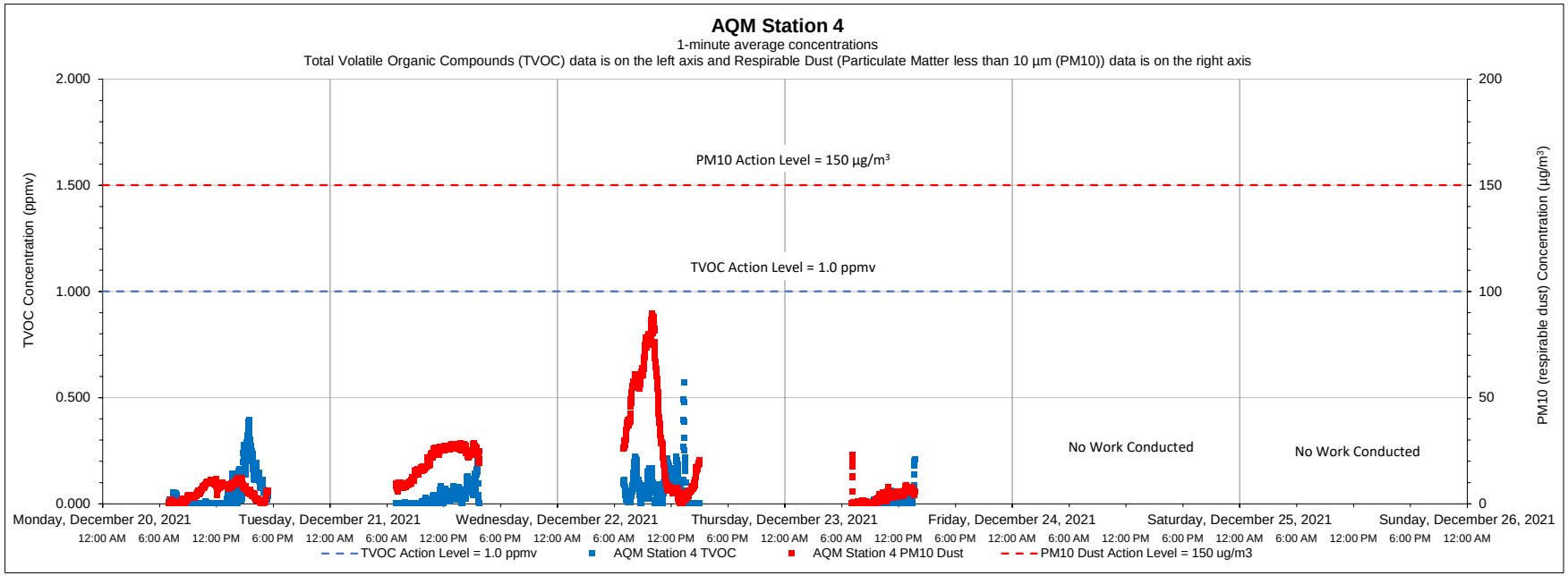

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.57	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.17	µg/m^3
PM10 maximum concentration	89.33	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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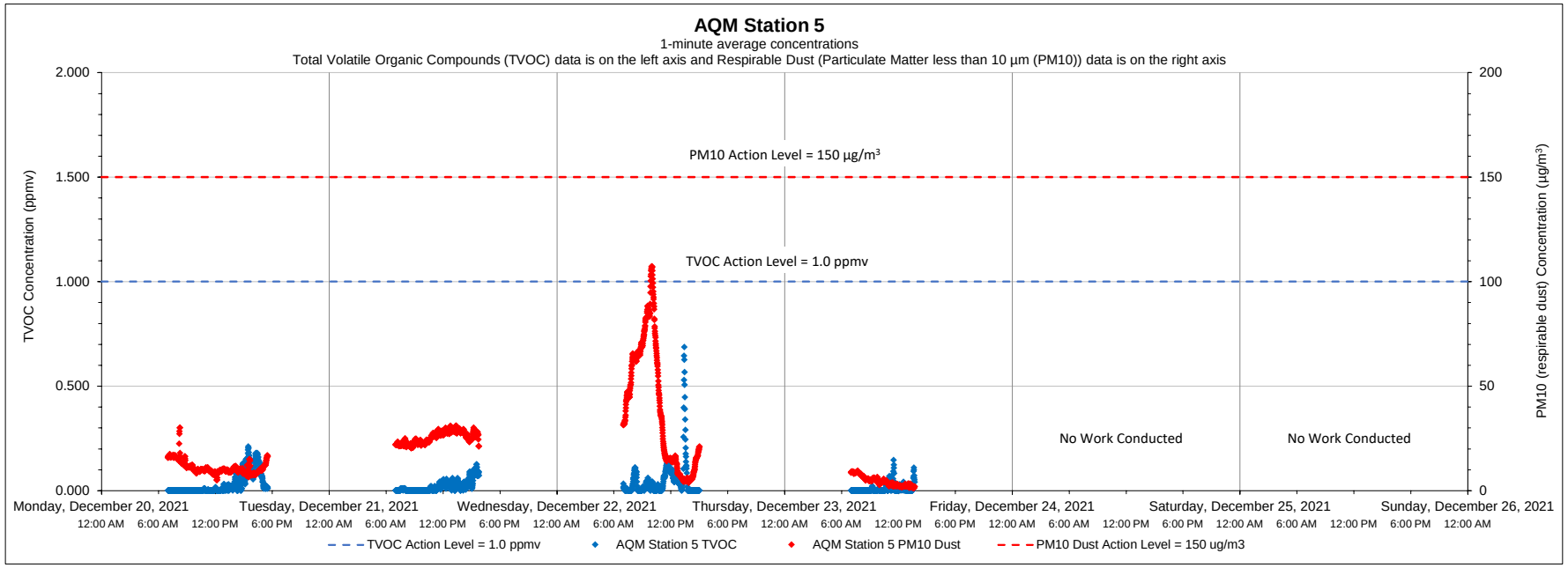

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.69	ppm
TVOCs action level	1	ppm
PM10 average concentration	19.89	µg/m³
PM10 maximum concentration	107.16	µg/m³
PM10 action level	150	µg/m³

Notes:

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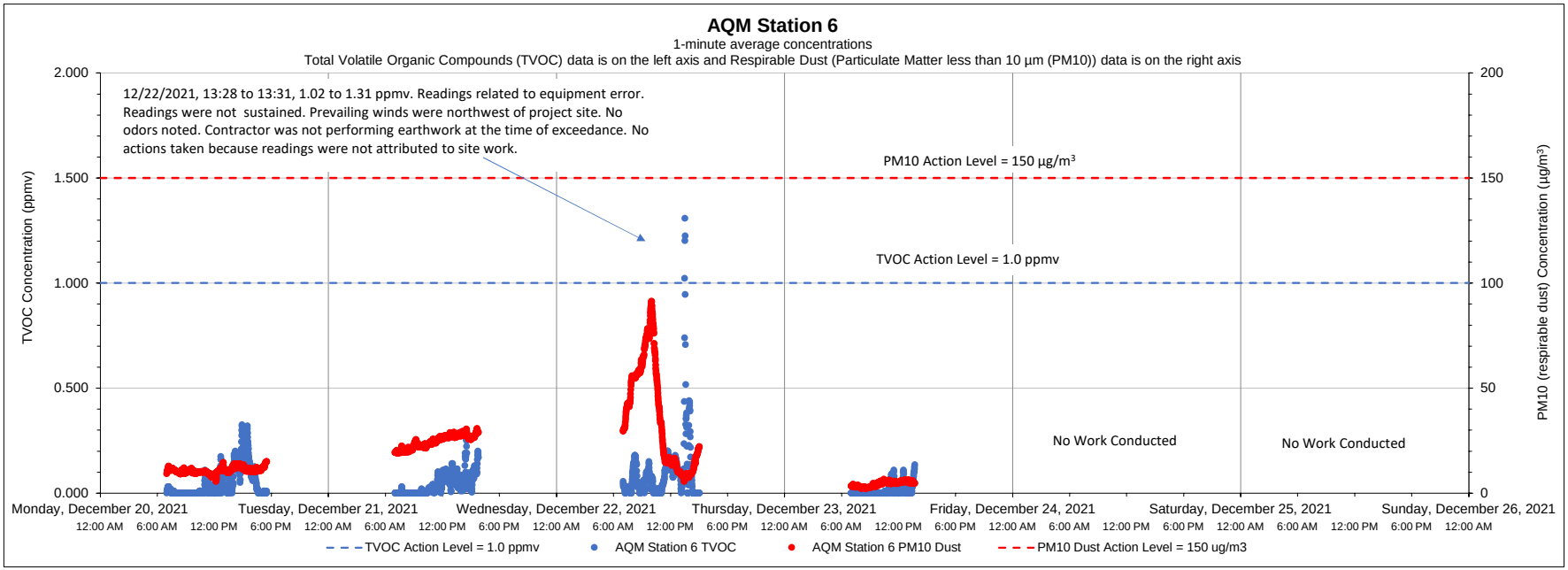

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.93	µg/m^3
PM10 maximum concentration	91.23	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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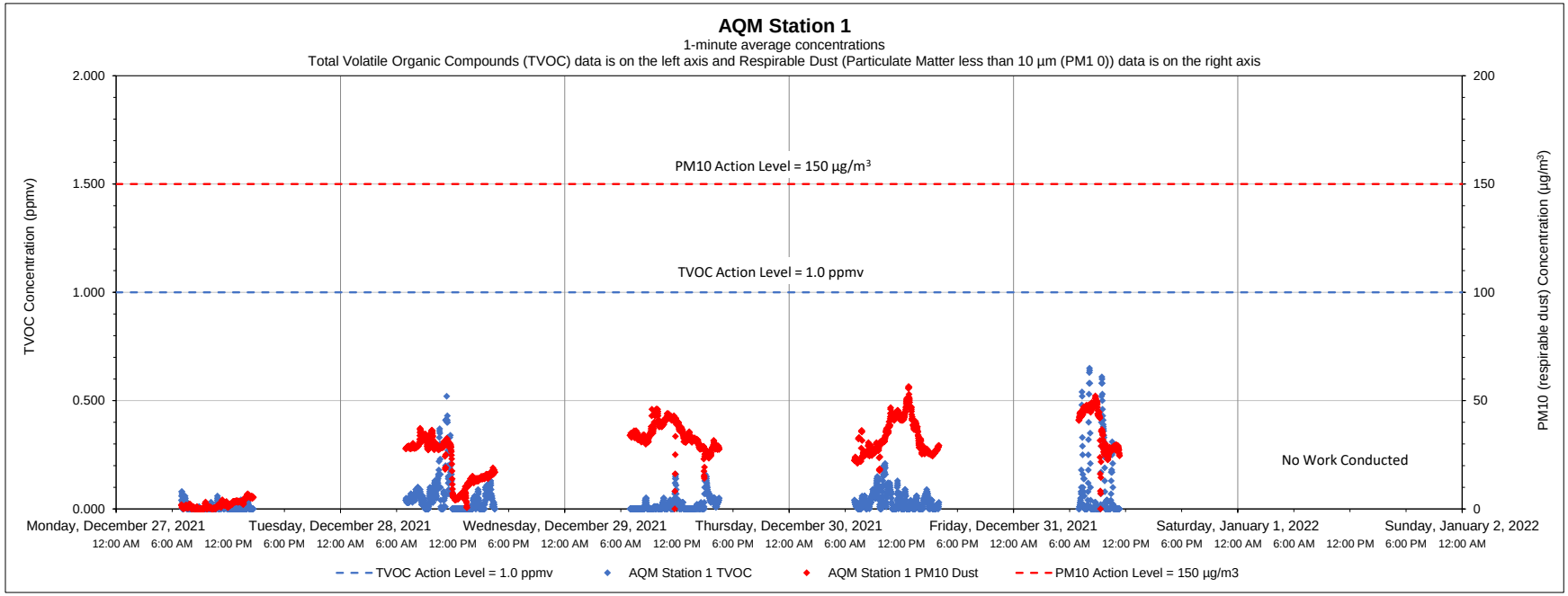

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.65	ppm
TVOCs action level	1	ppm
PM10 average concentration	24.87	µg/m³
PM10 maximum concentration	56.52	µg/m³
PM10 action level	150	µg/m³

Notes:

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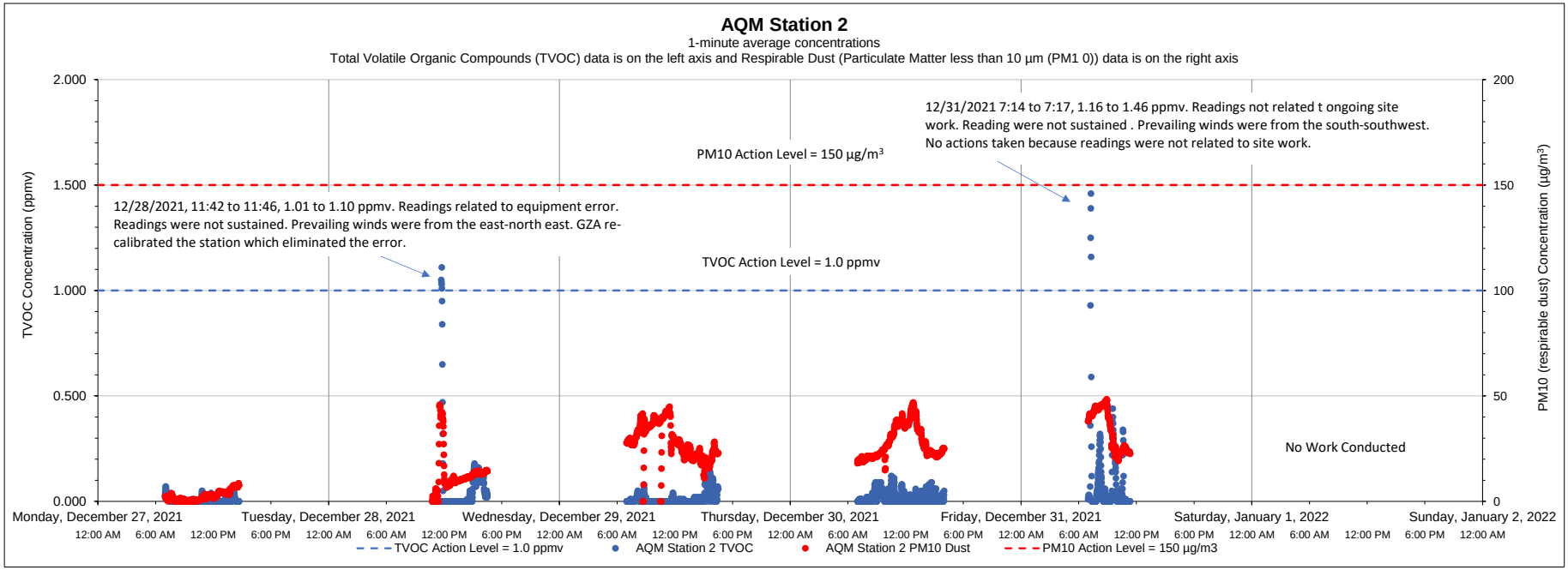

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	1.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.02	µg/m^3
PM10 maximum concentration	48.46	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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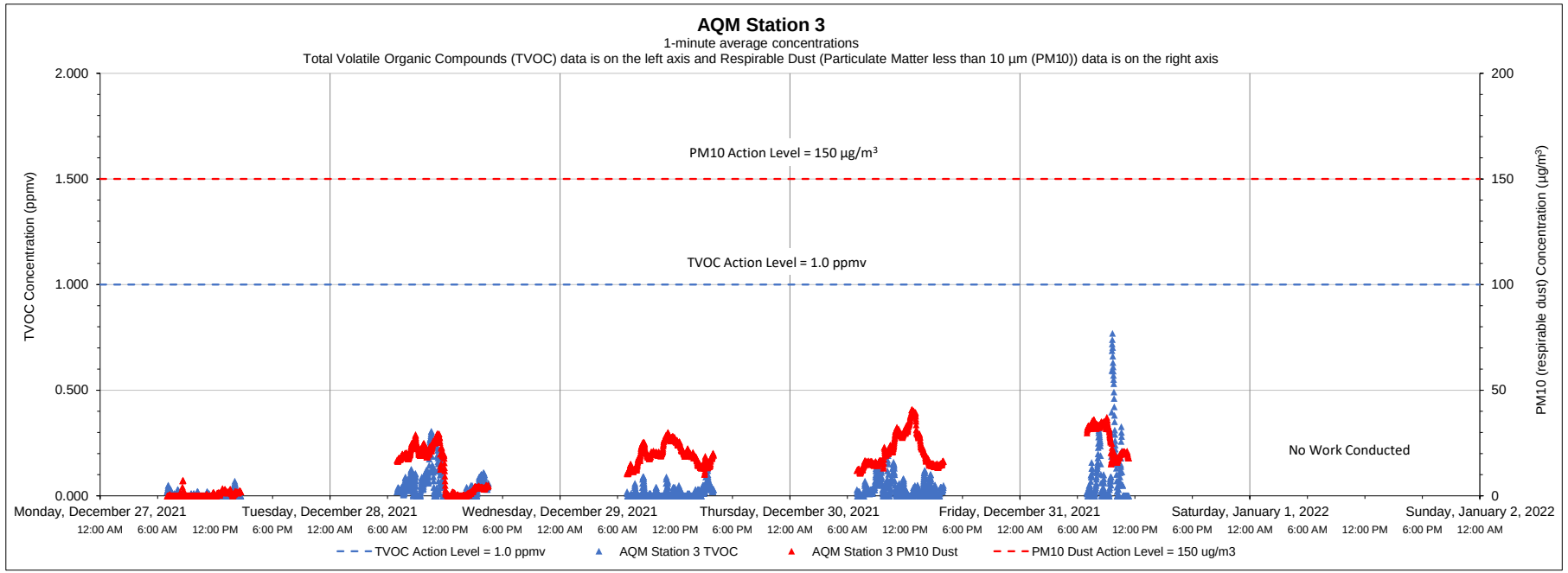

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.77	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.39	µg/m^3
PM10 maximum concentration	40.89	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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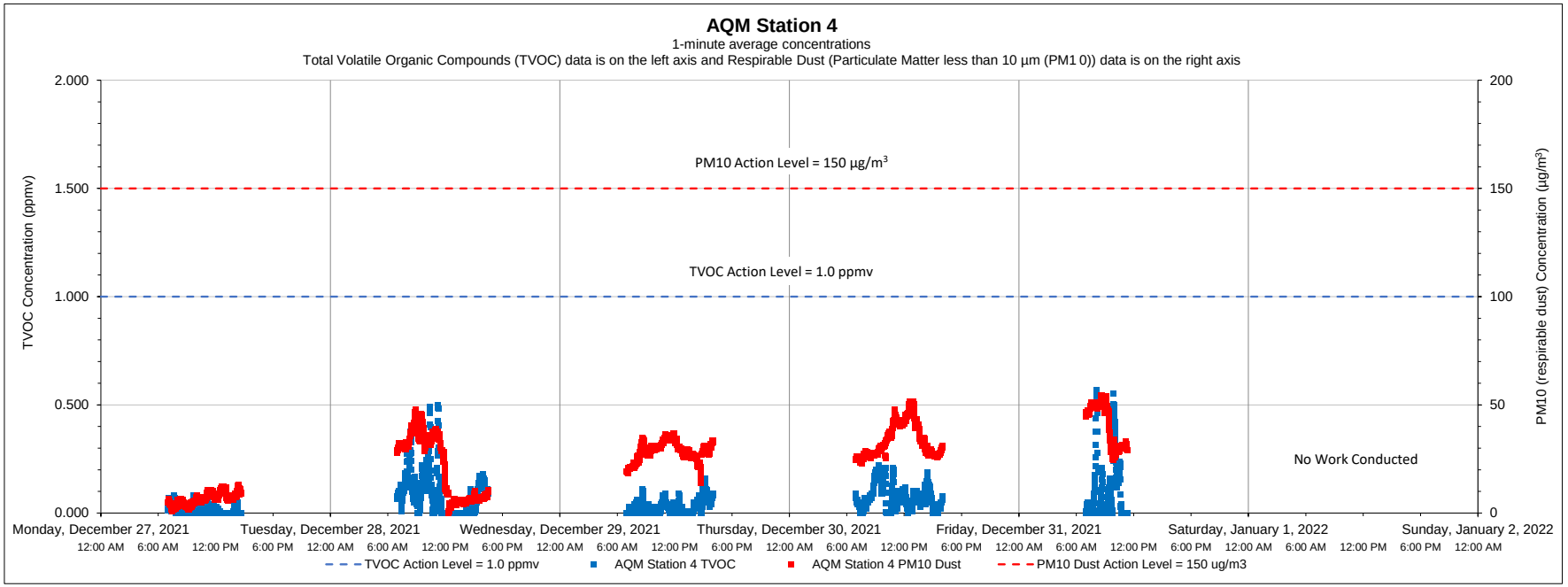

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.57	ppm
TVOCs action level	1	ppm
PM10 average concentration	24.98	µg/m³
PM10 maximum concentration	54.29	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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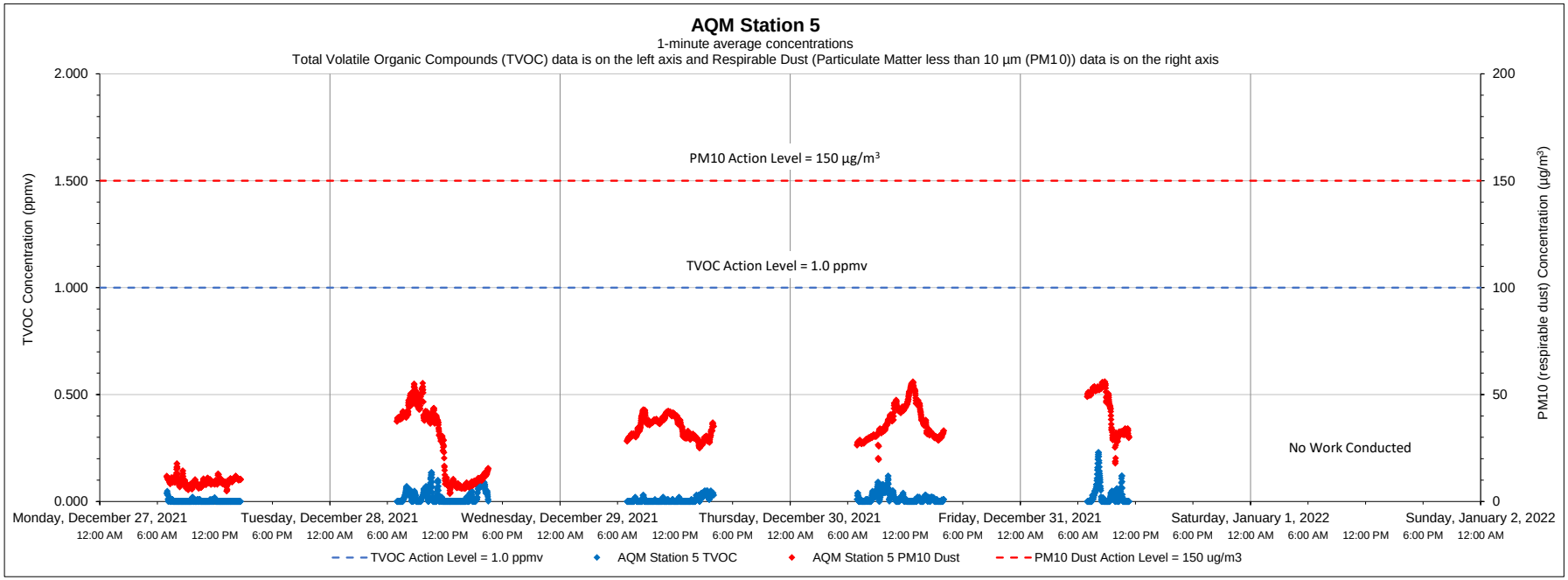


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.23	ppm
TVOCs action level	1	ppm
PM10 average concentration	28.81	µg/m^3
PM10 maximum concentration	56.05	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

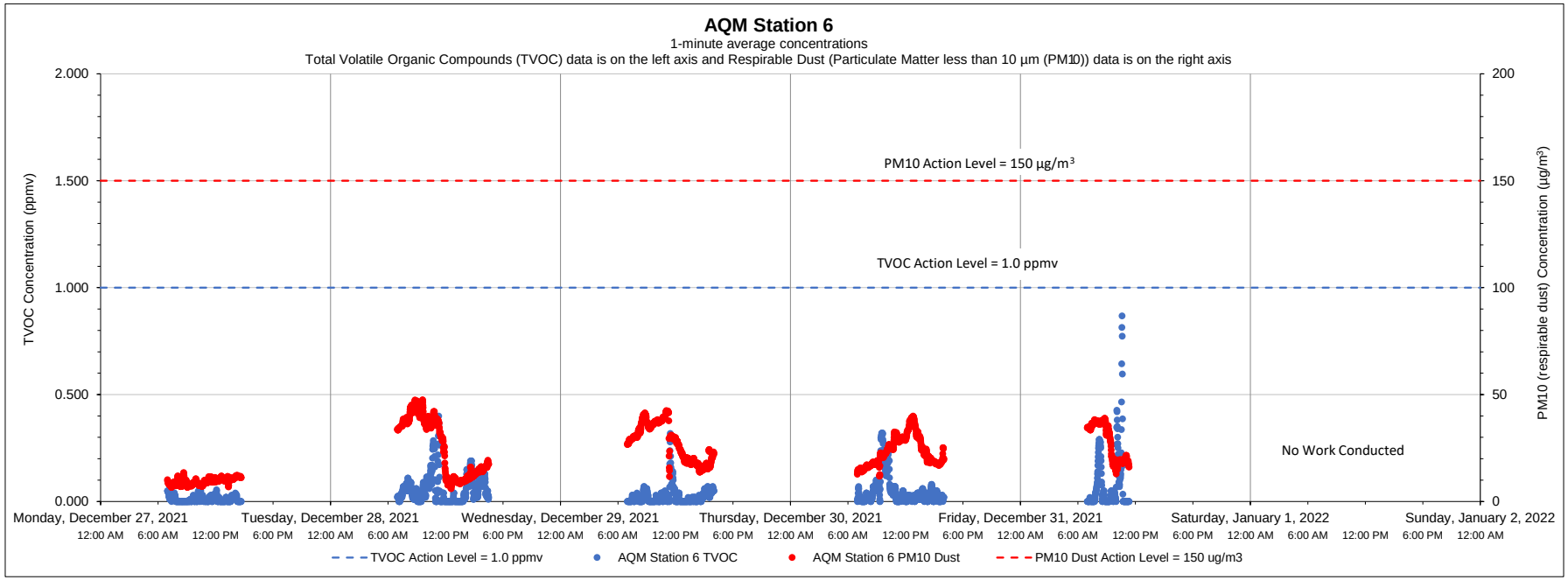
GZA Job No. 03.0033554.04

1/3/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.87	ppm
TVOCs action level	1	ppm
PM10 average concentration	22.69	µg/m³
PM10 maximum concentration	47.58	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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GZA Job No. 03.0033554.04

Liquefaction Facility Project -

1/11/2021

STRAP Perimeter Air Quality Monitoring (AQM)

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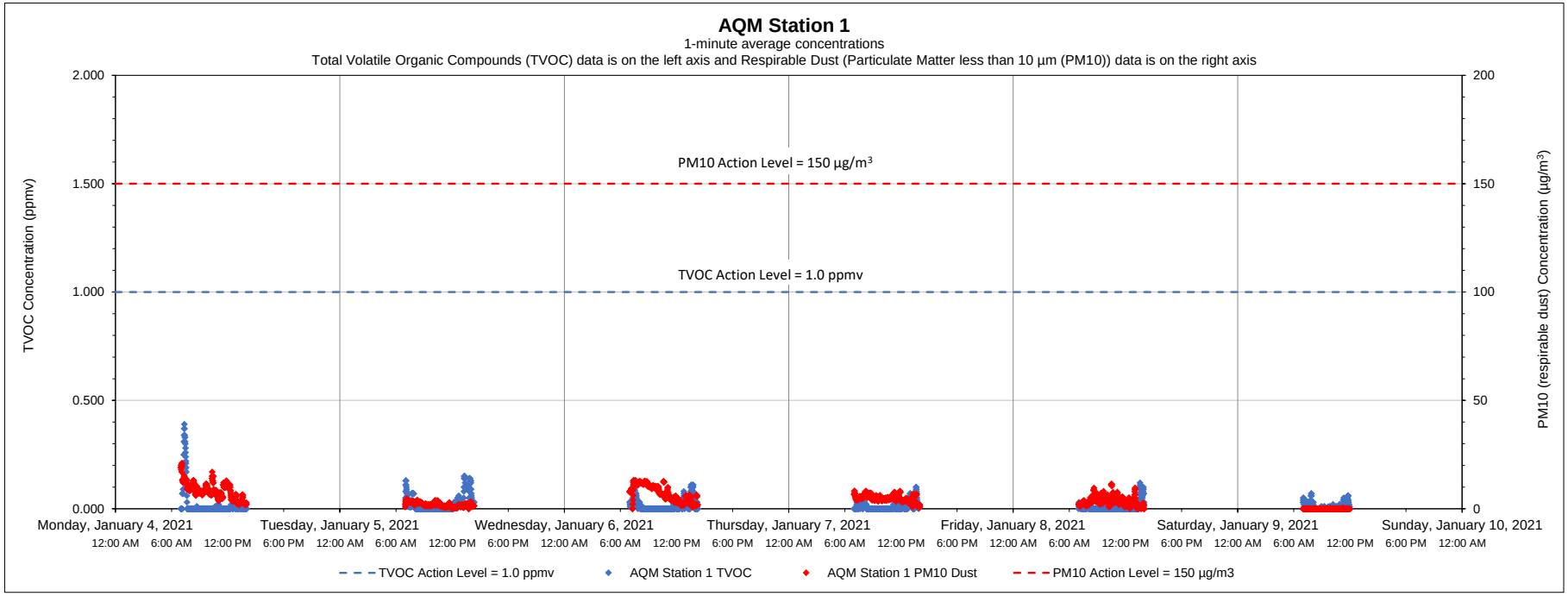

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.39	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.40	µg/m^3
PM10 maximum concentration	21.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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GZA Job No. 03.0033554.04

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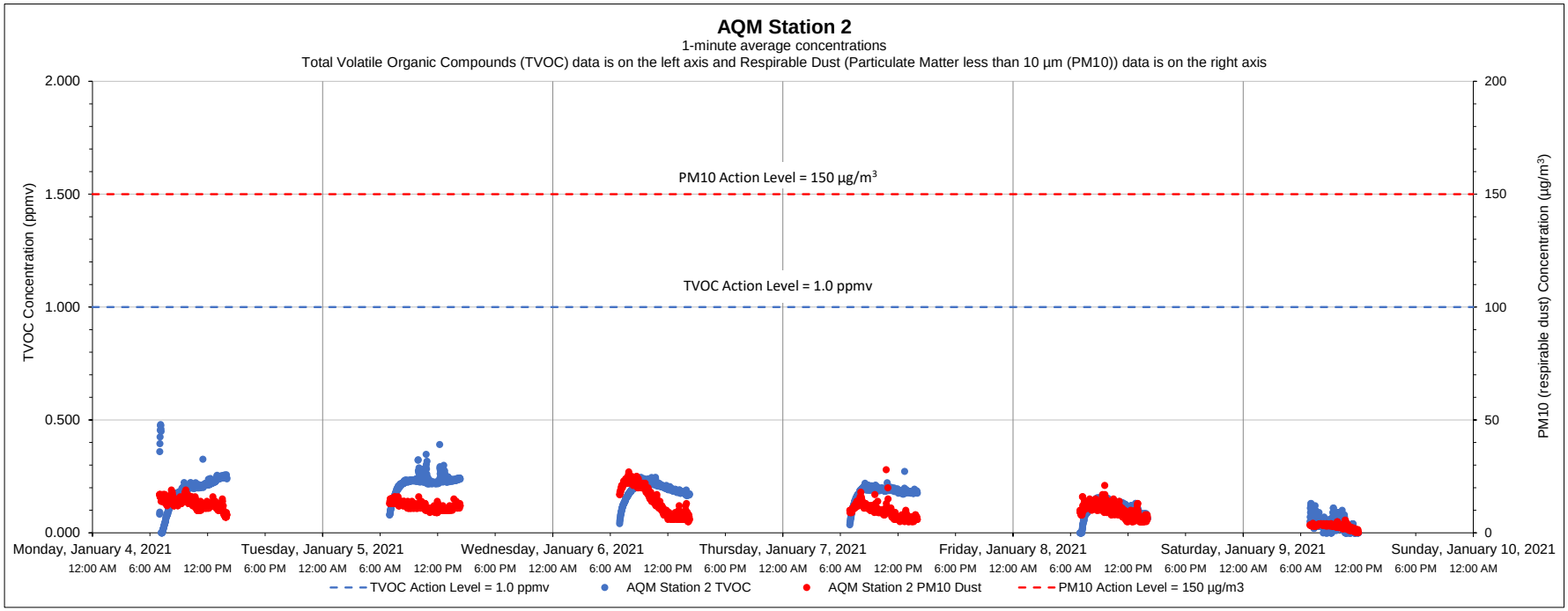

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.16	ppm
TVOCs maximum concentration	0.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.56	µg/m^3
PM10 maximum concentration	28.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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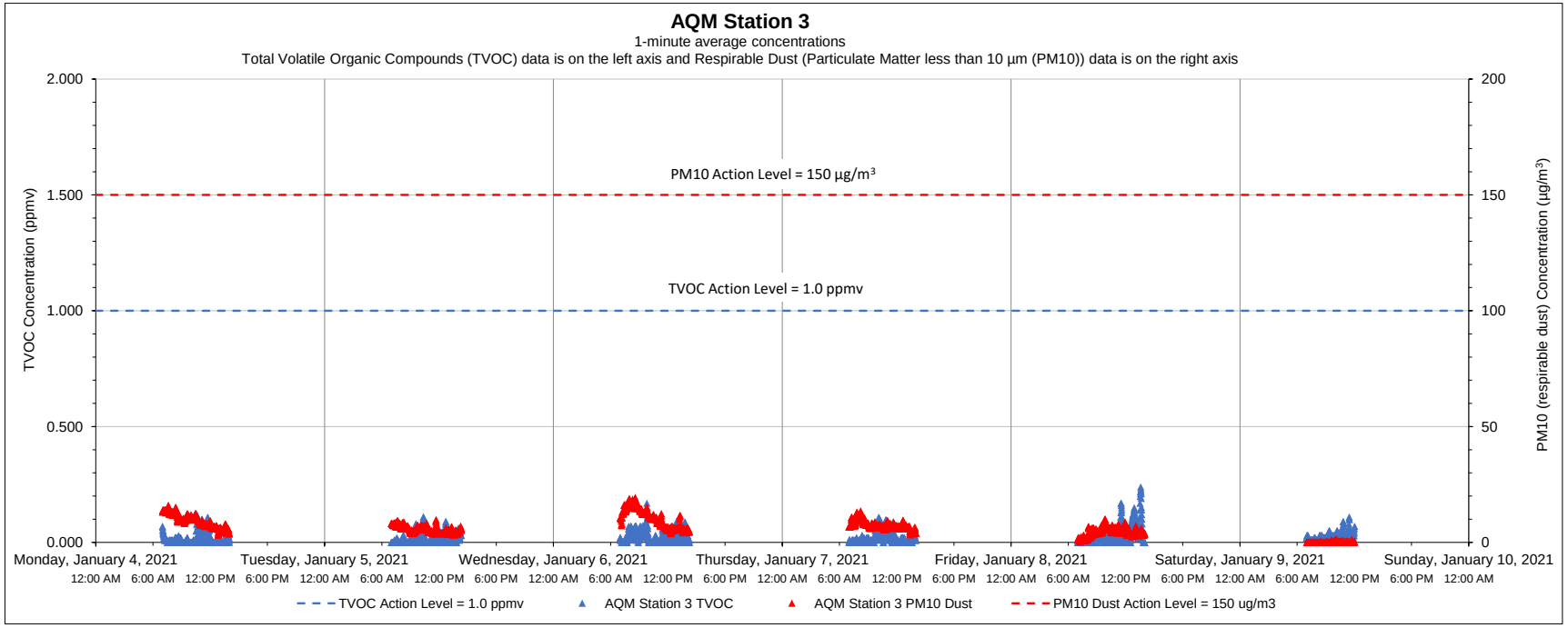

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.54	µg/m^3
PM10 maximum concentration	19.38	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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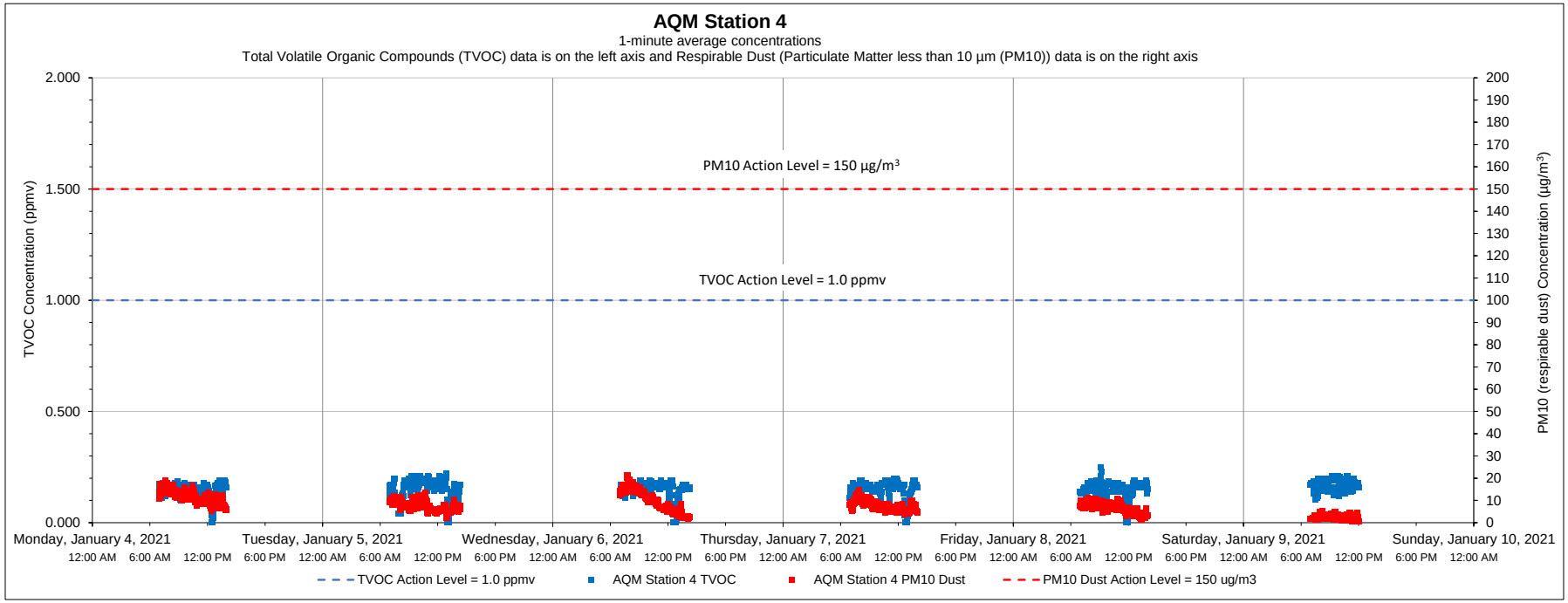

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.15	ppm
TVOCs maximum concentration	0.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.76	µg/m³
PM10 maximum concentration	21.51	µg/m³
PM10 action level	150	µg/m³

Notes:

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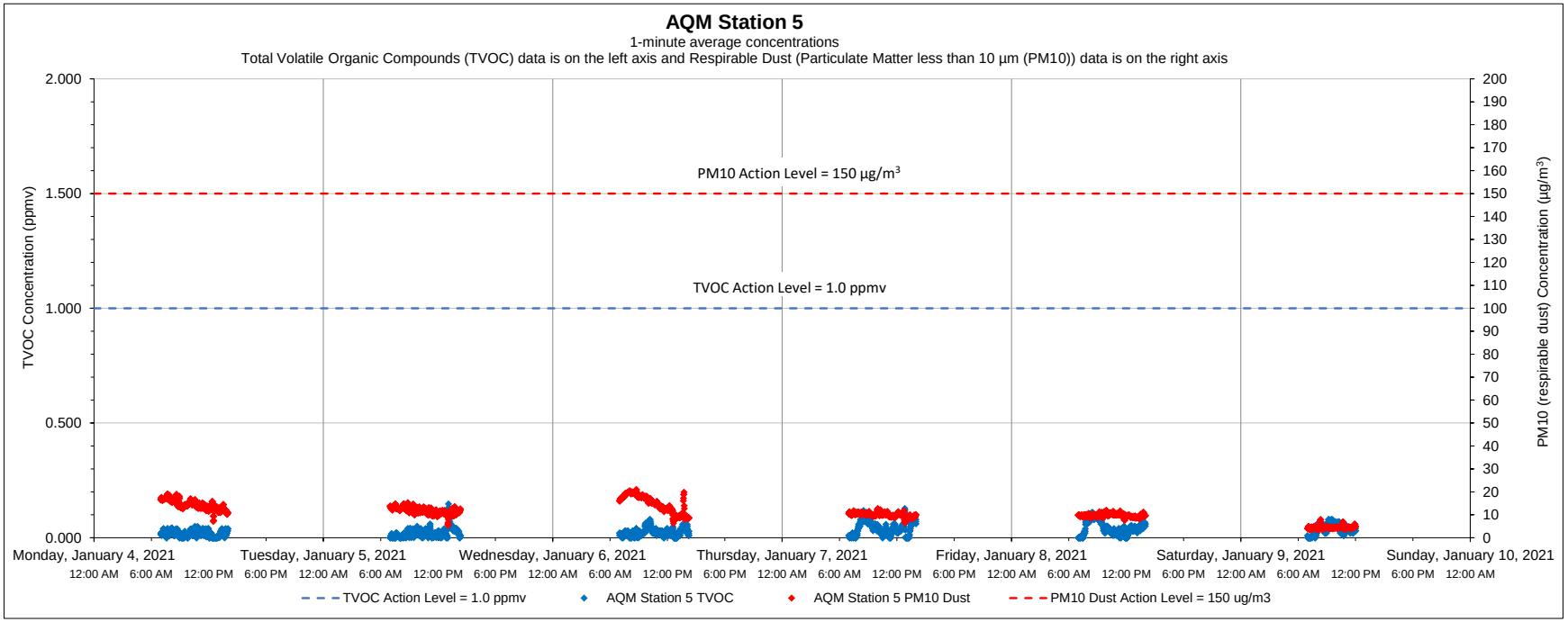

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.15	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.23	µg/m³
PM10 maximum concentration	21.05	µg/m³
PM10 action level	150	µg/m³

Notes:

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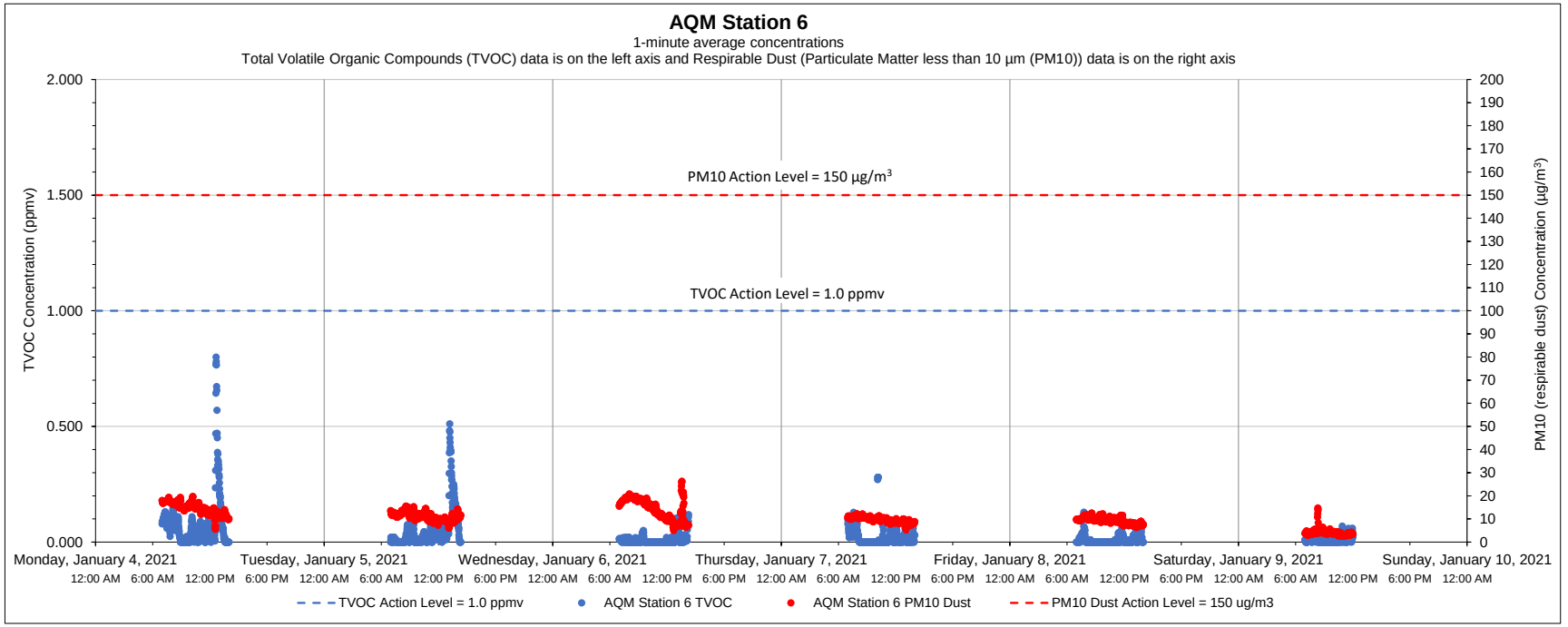

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.80	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.85	µg/m³
PM10 maximum concentration	26.27	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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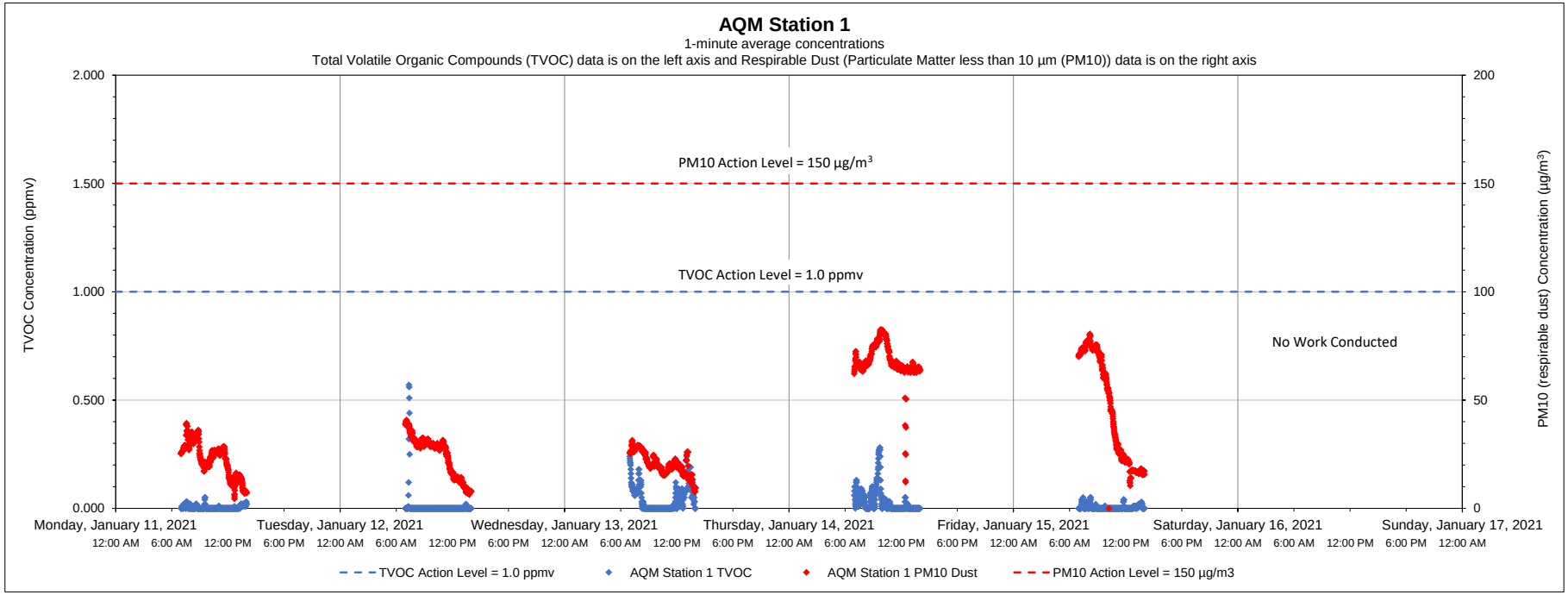

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.57	ppm
TVOCs action level	1	ppm
PM10 average concentration	36.17	µg/m³
PM10 maximum concentration	82.52	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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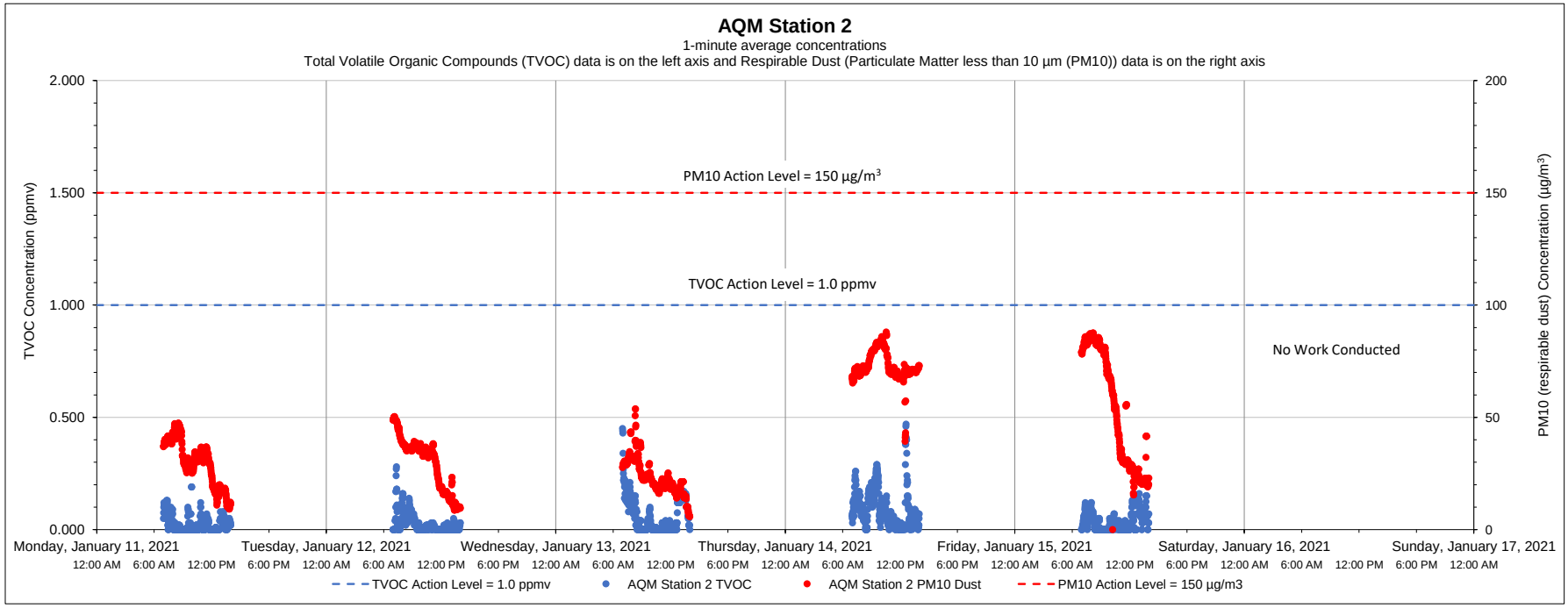

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.47	ppm
TVOCs action level	1	ppm
PM10 average concentration	41.85	µg/m³
PM10 maximum concentration	87.98	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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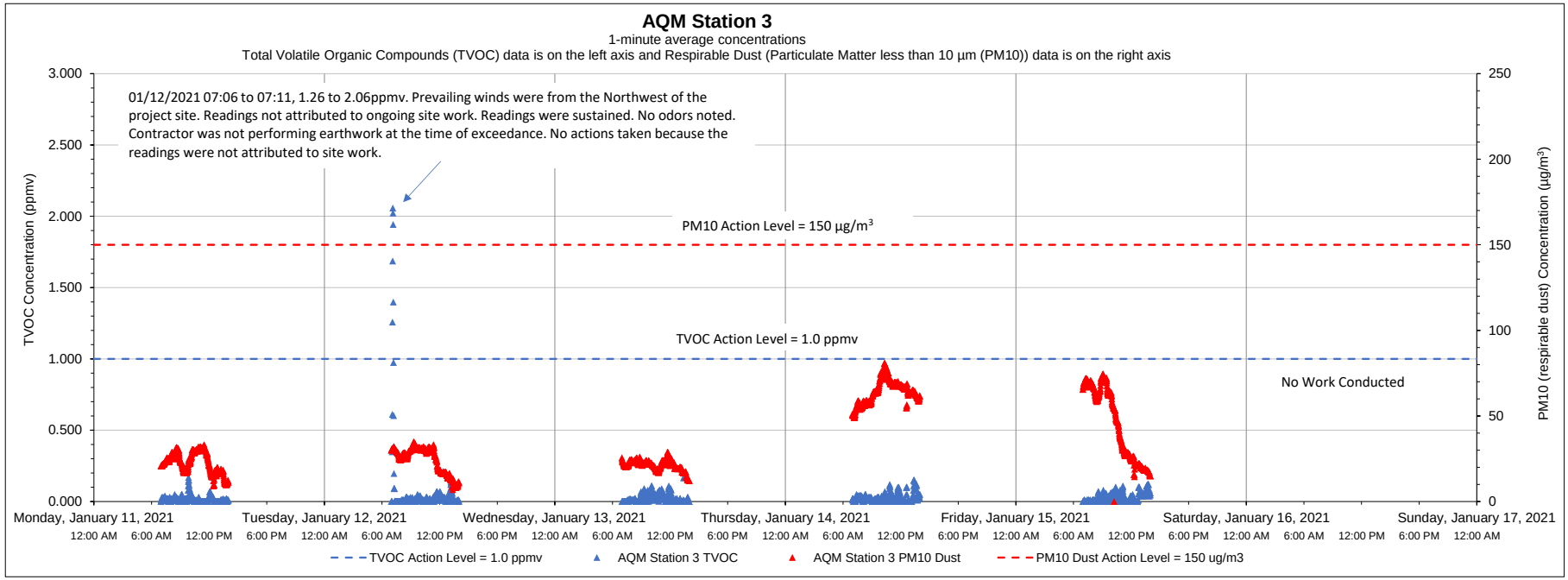

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
1/12/2021	07:06-07:11	TVOC	1.26-2.06ppmv	No actions taken because the readings were not attributed to site work

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	2.06	ppm
TVOCs action level	1	ppm
PM10 average concentration	35.63	µg/m³
PM10 maximum concentration	80.95	µg/m³
PM10 action level	150	µg/m³

Equipment Notes
A handheld PID was utilized to confirm that the station's readings were accurate, and the site was checked for odors. No odors were observed.

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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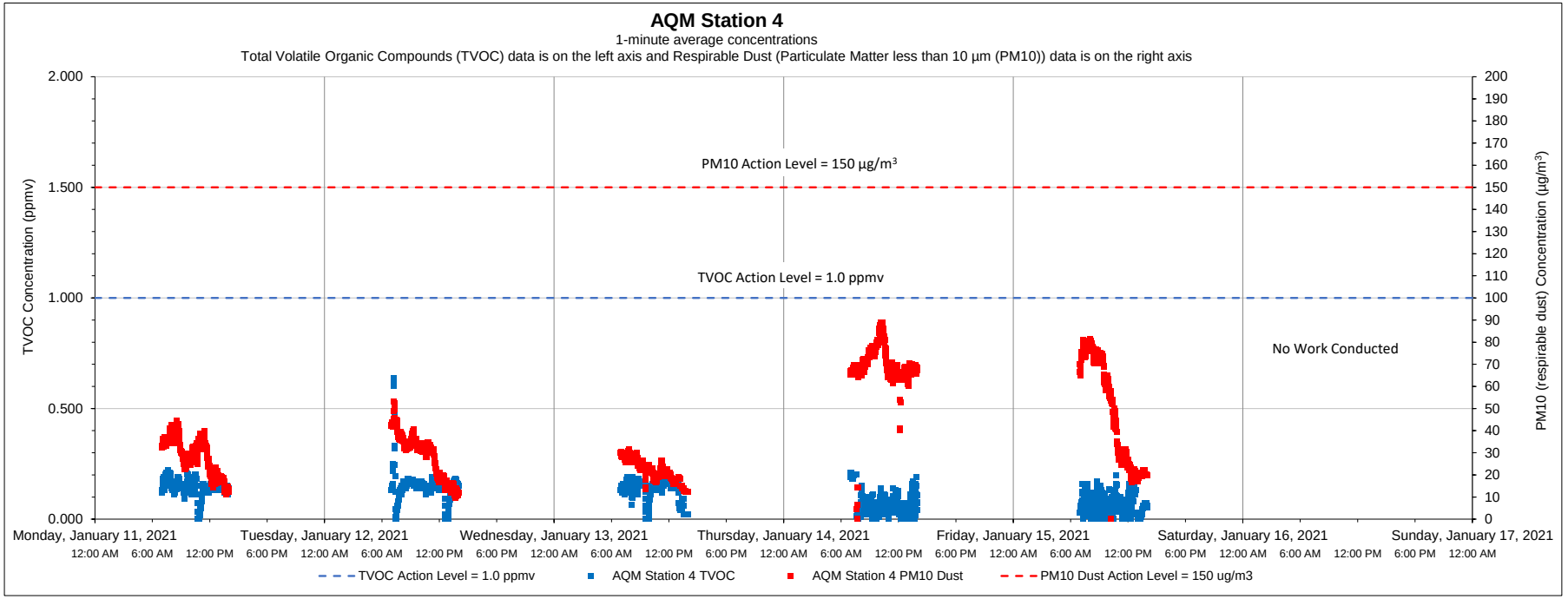

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.11	ppm
TVOCs maximum concentration	0.64	ppm
TVOCs action level	1	ppm
PM10 average concentration	38.99	µg/m³
PM10 maximum concentration	88.93	µg/m³
PM10 action level	150	µg/m³

Notes:

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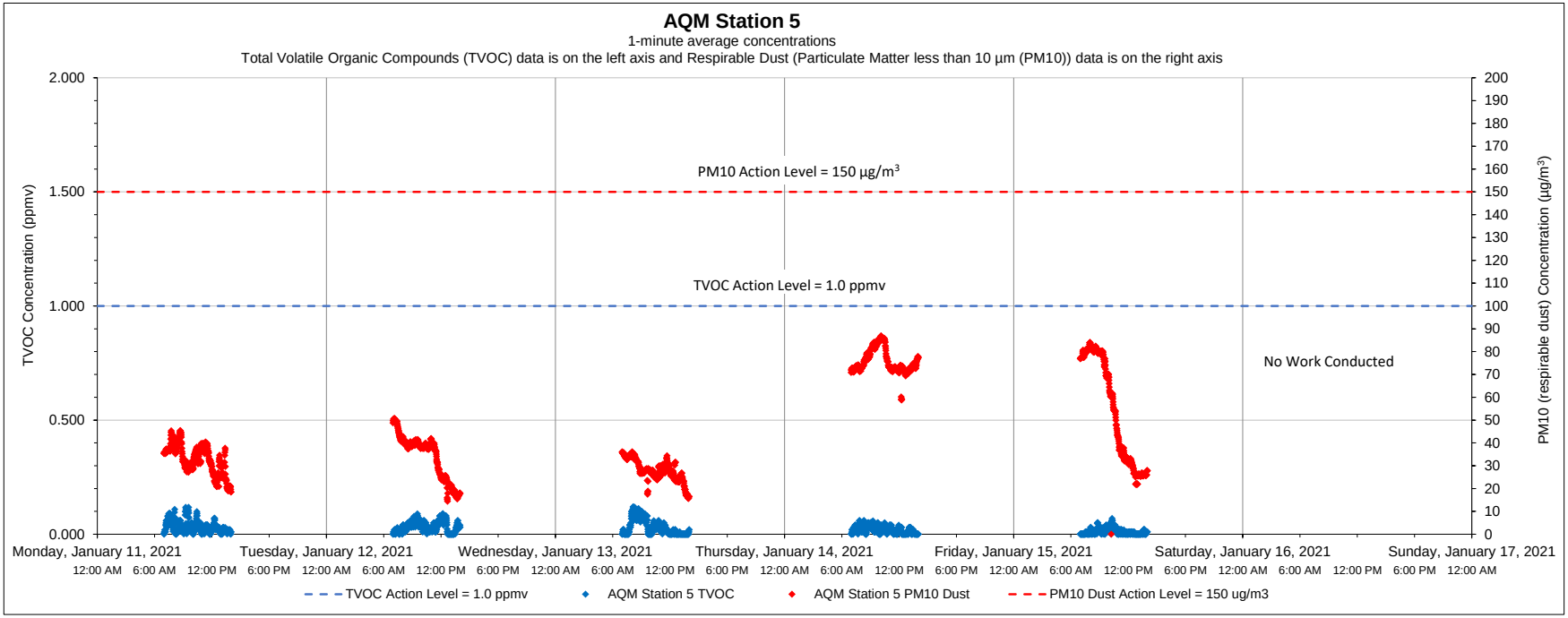

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.12	ppm
TVOCs action level	1	ppm
PM10 average concentration	44.85	µg/m³
PM10 maximum concentration	86.82	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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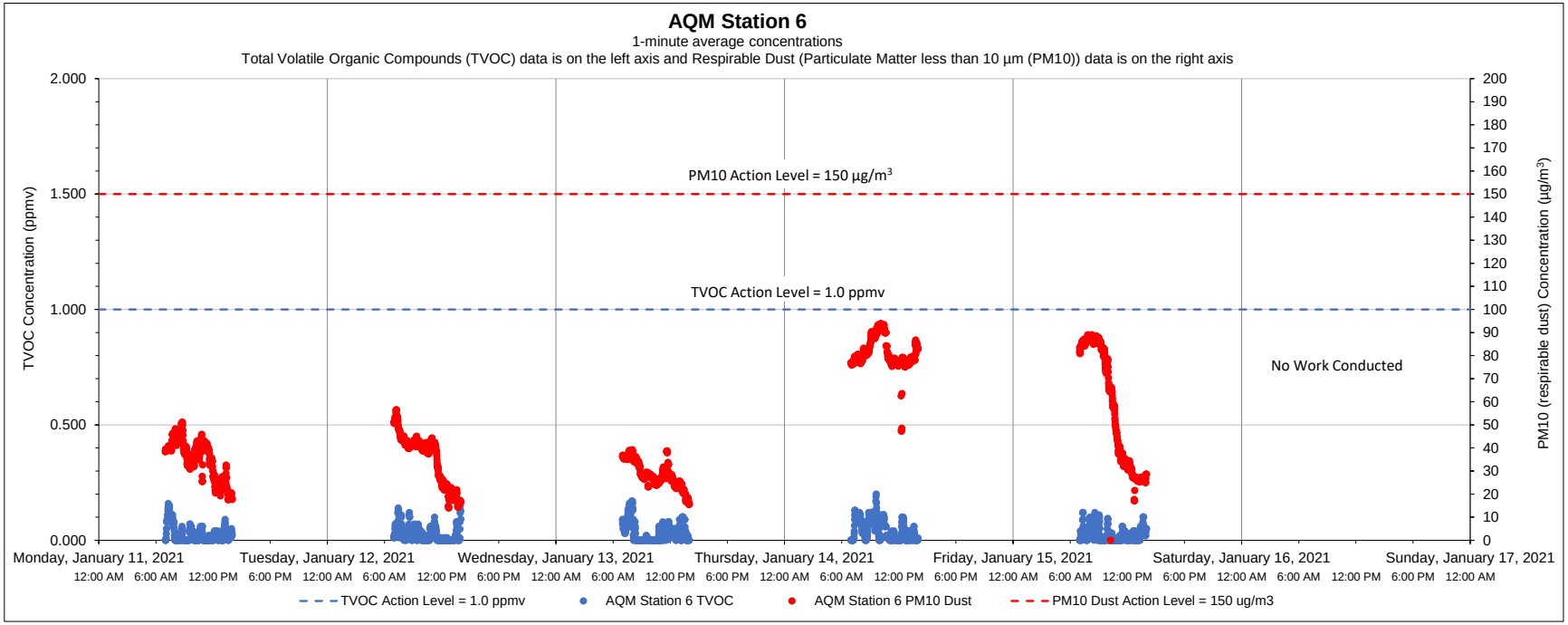

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	47.41	µg/m³
PM10 maximum concentration	93.84	µg/m³
PM10 action level	150	µg/m³

Notes:

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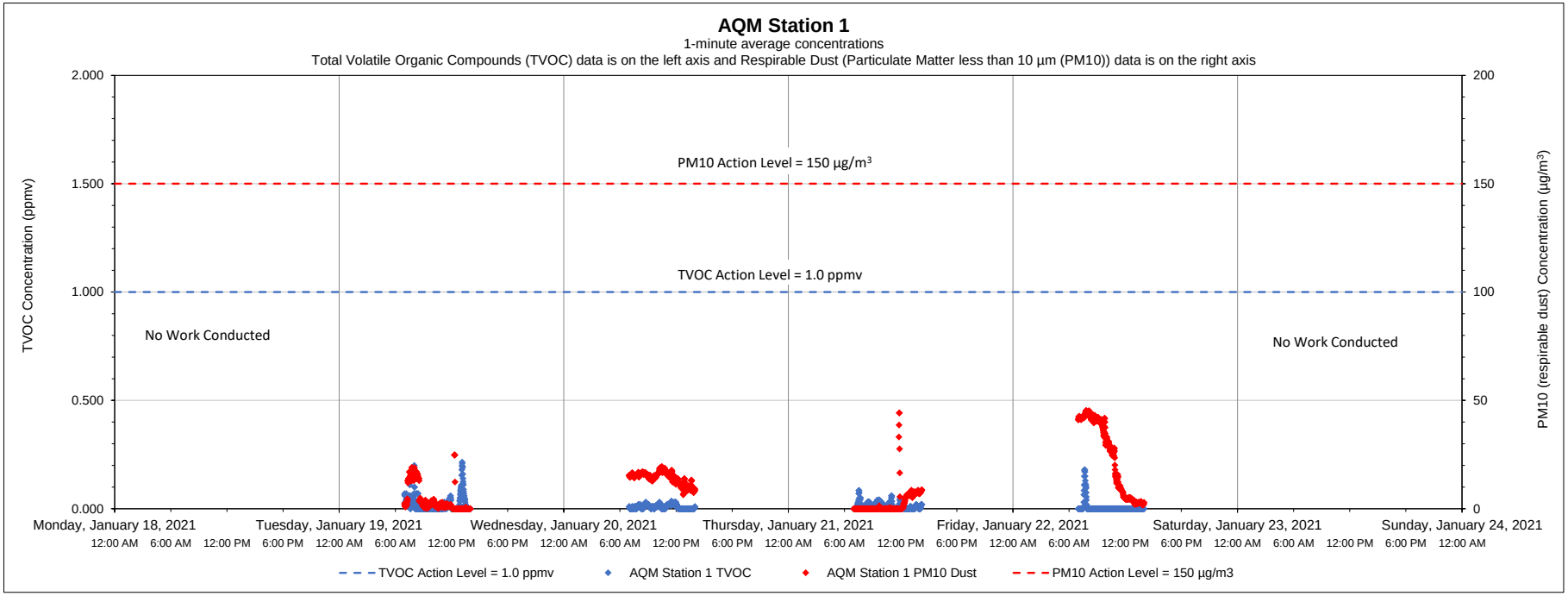

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.21	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.93	µg/m^3
PM10 maximum concentration	45.35	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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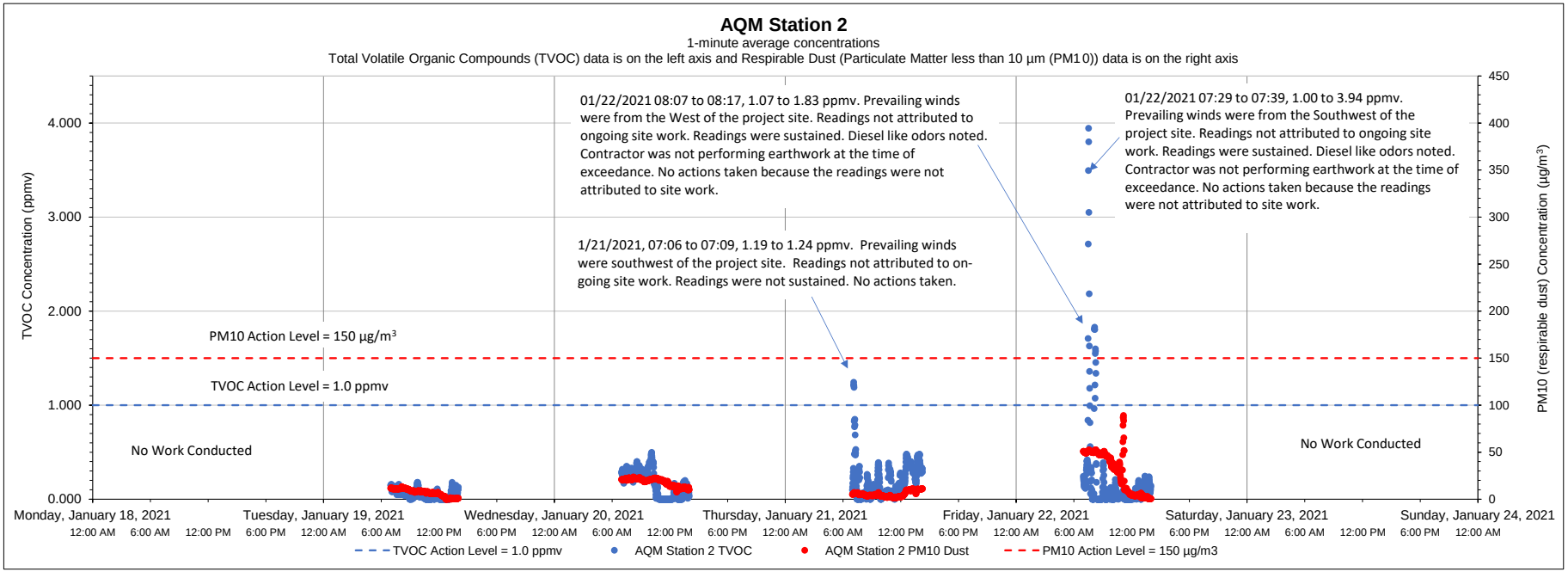

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
1/22/2021	07:29-07:39	TVOC	1.00-3.94 ppmv	No actions taken because the readings were not attributed to site work
1/22/2021	08:07-08:17	TVOC	1.07-1:83 ppmv	No actions taken because the readings were not attributed to site work

Data Summary Statistics		
TVOCs average concentration	0.15	ppm
TVOCs maximum concentration	3.94	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.80	µg/m^3
PM10 maximum concentration	89.05	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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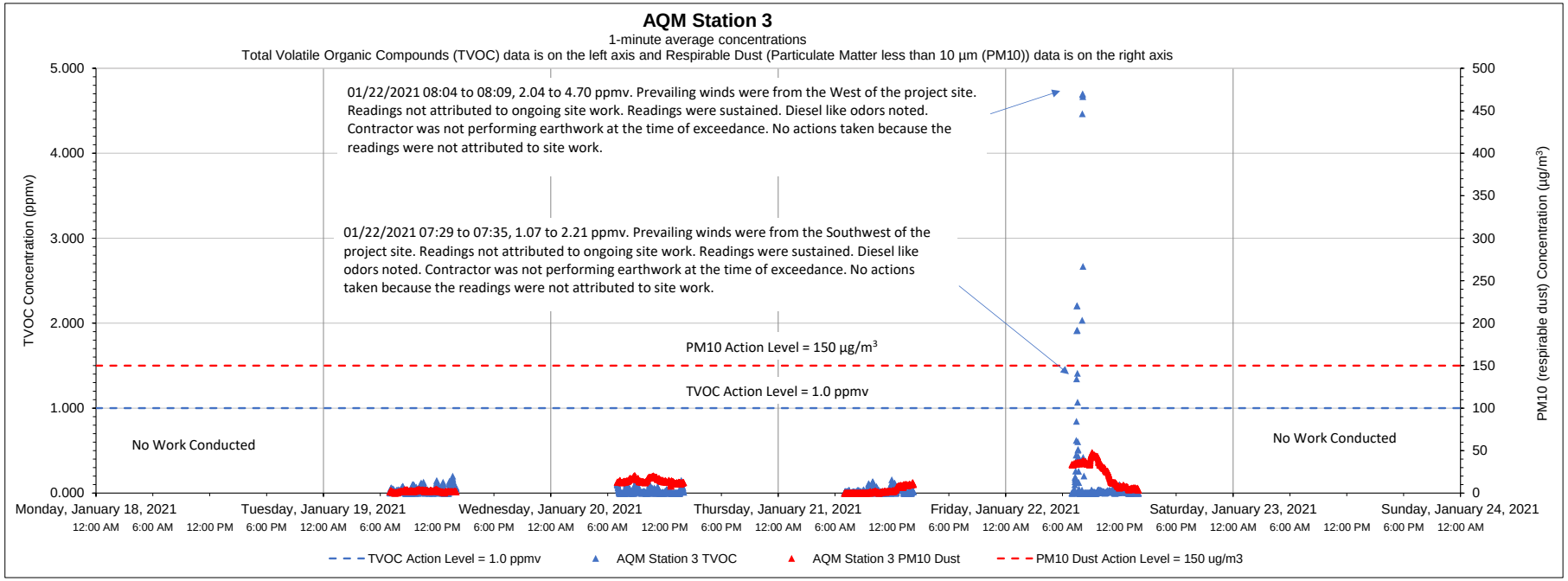

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
1/22/2021	07:29-07:35	TVOC	1.07-2.21 ppmv	No actions taken because the readings were not attributed to site work
1/22/2021	08:04-08:09	TVOC	2.04-4.70 ppmv	No actions taken because the readings were not attributed to site work

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	4.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.80	µg/m³
PM10 maximum concentration	47.76	µg/m³
PM10 action level	150	µg/m³

Notes:

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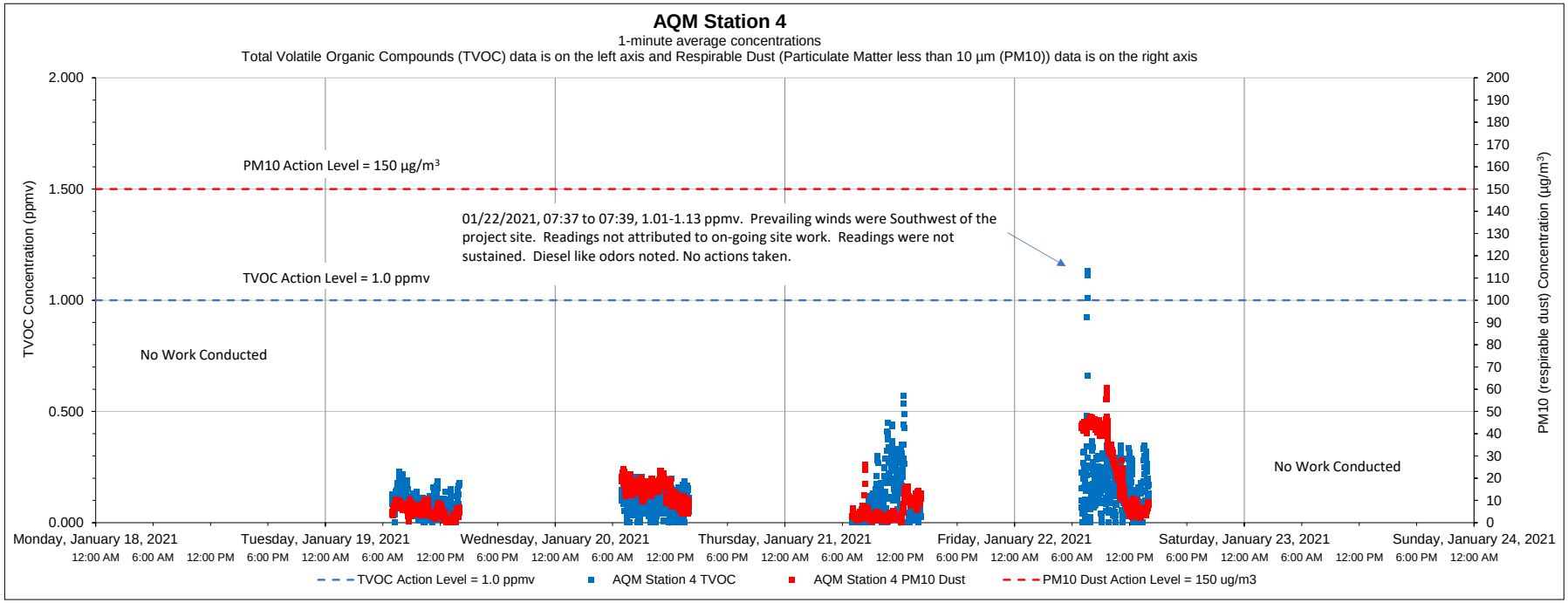
Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.10	ppm
TVOCs maximum concentration	1.13	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.38	µg/m³
PM10 maximum concentration	60.51	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

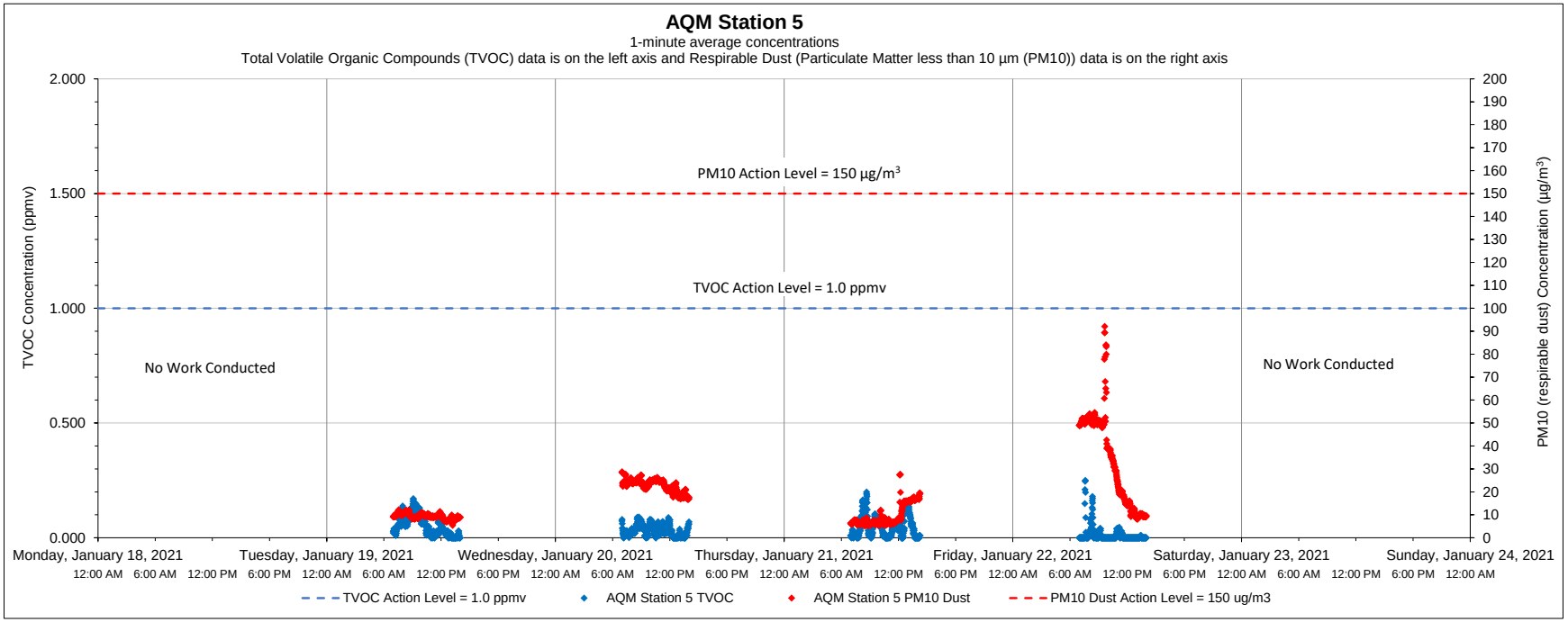
GZA Job No. 03.0033554.04

1/25/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.53	µg/m³
PM10 maximum concentration	92.14	µg/m³
PM10 action level	150	µg/m³

Notes:

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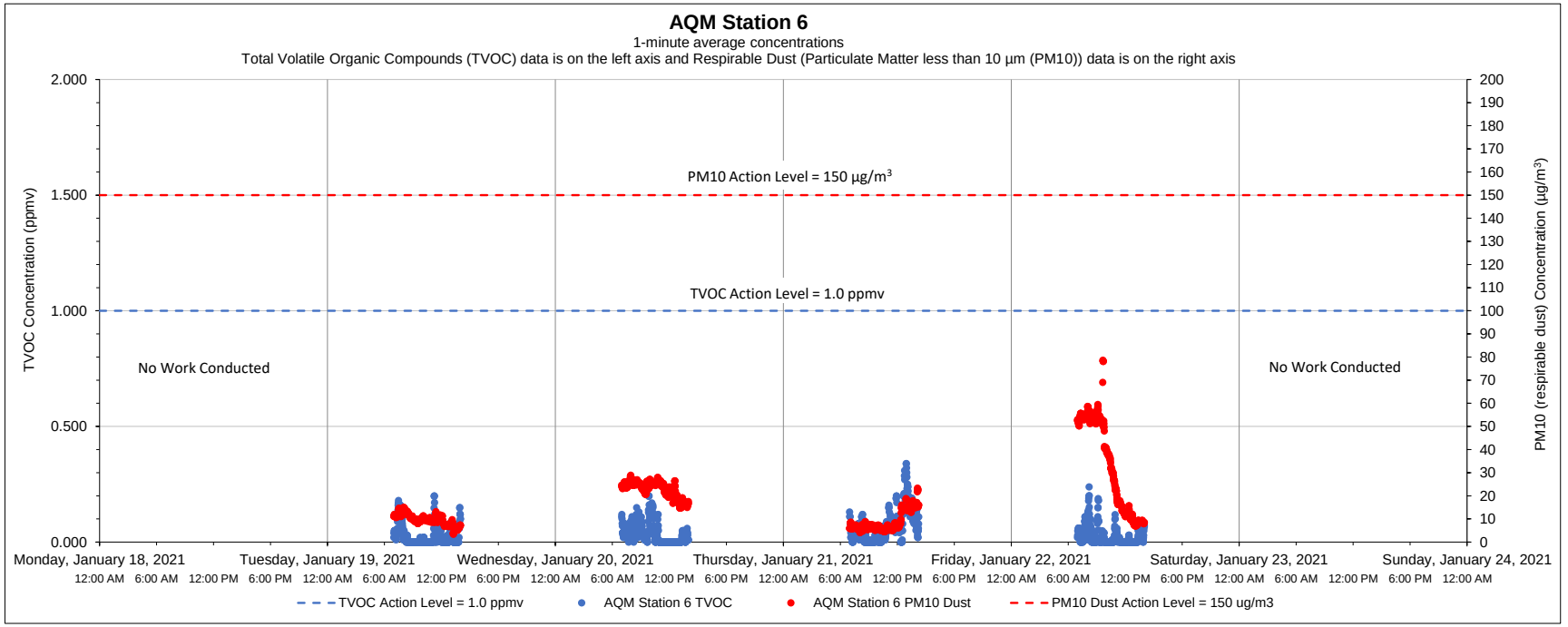

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.34	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.38	µg/m³
PM10 maximum concentration	78.61	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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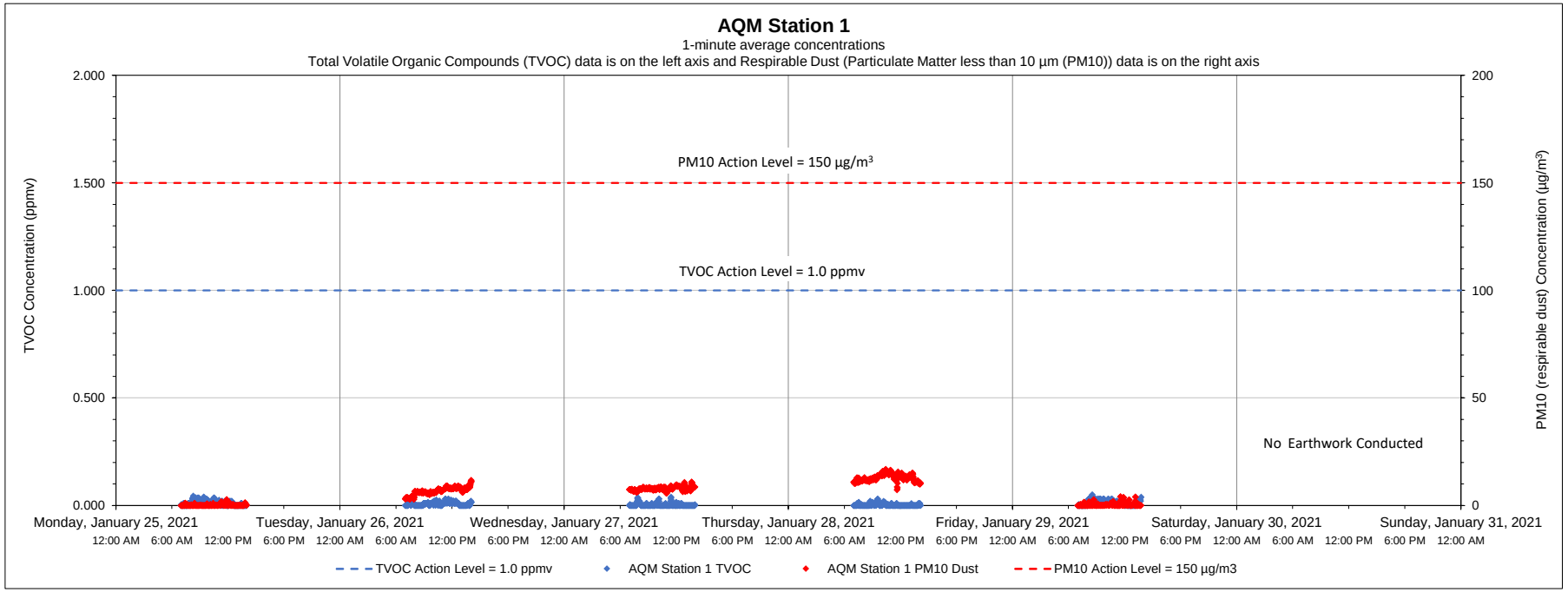
GZA Job No. 03.0033554.04

Liquefaction Facility Project -

2/01/2021

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.05	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.65	µg/m^3
PM10 maximum concentration	16.83	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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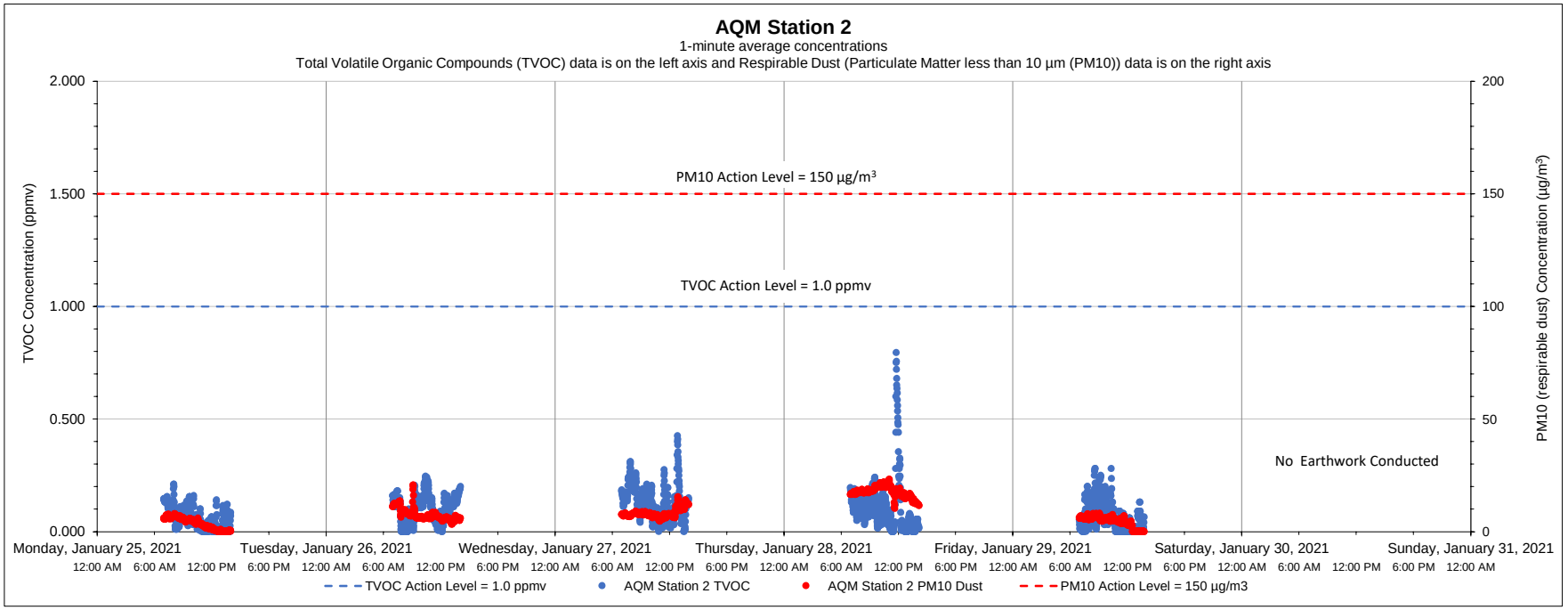

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	0.79	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.25	µg/m^3
PM10 maximum concentration	23.18	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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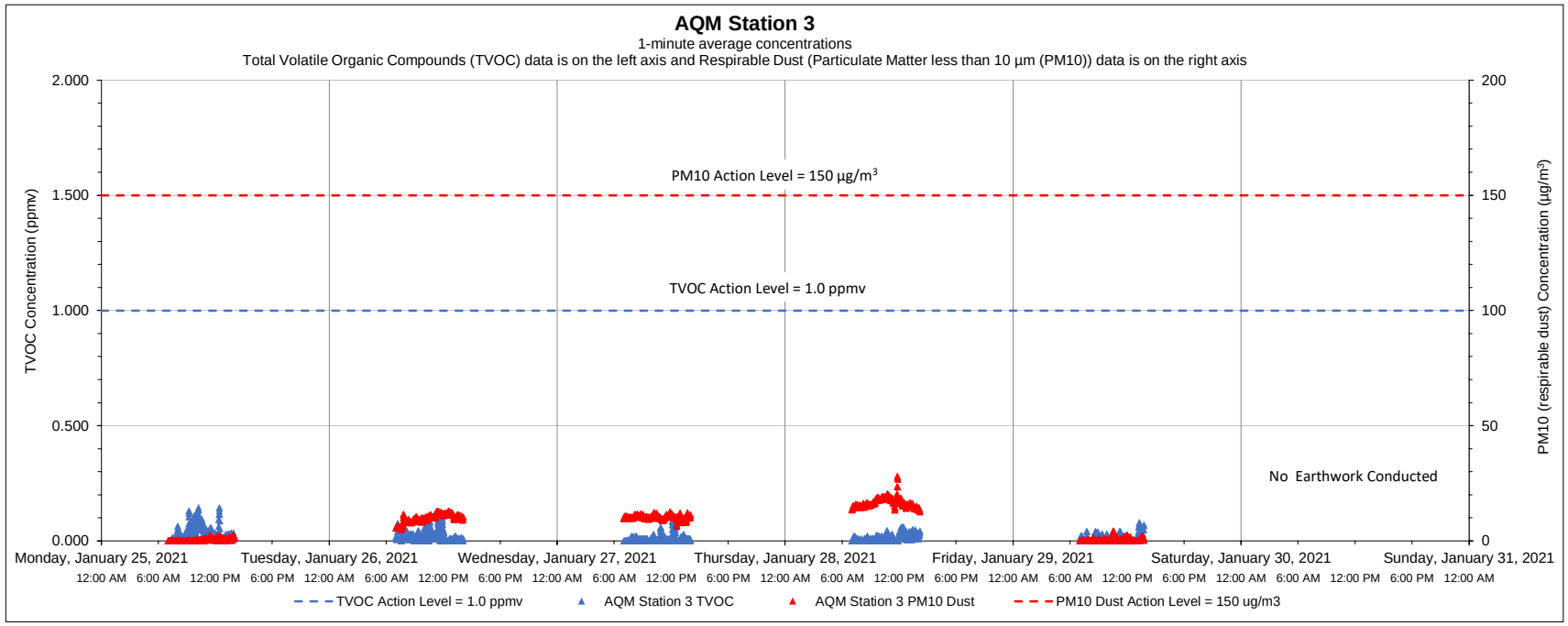

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.14	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.66	µg/m³
PM10 maximum concentration	28.28	µg/m³
PM10 action level	150	µg/m³

Notes:

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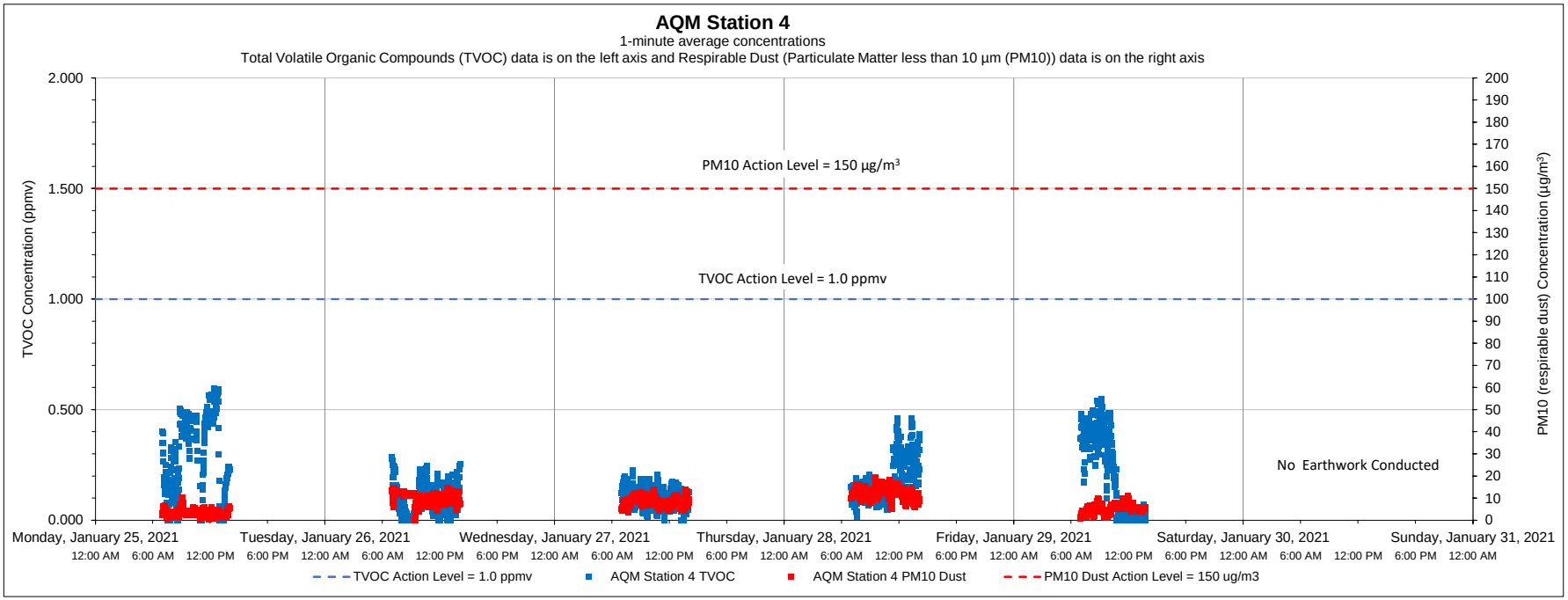

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.18	ppm
TVOCs maximum concentration	0.60	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.71	µg/m^3
PM10 maximum concentration	19.17	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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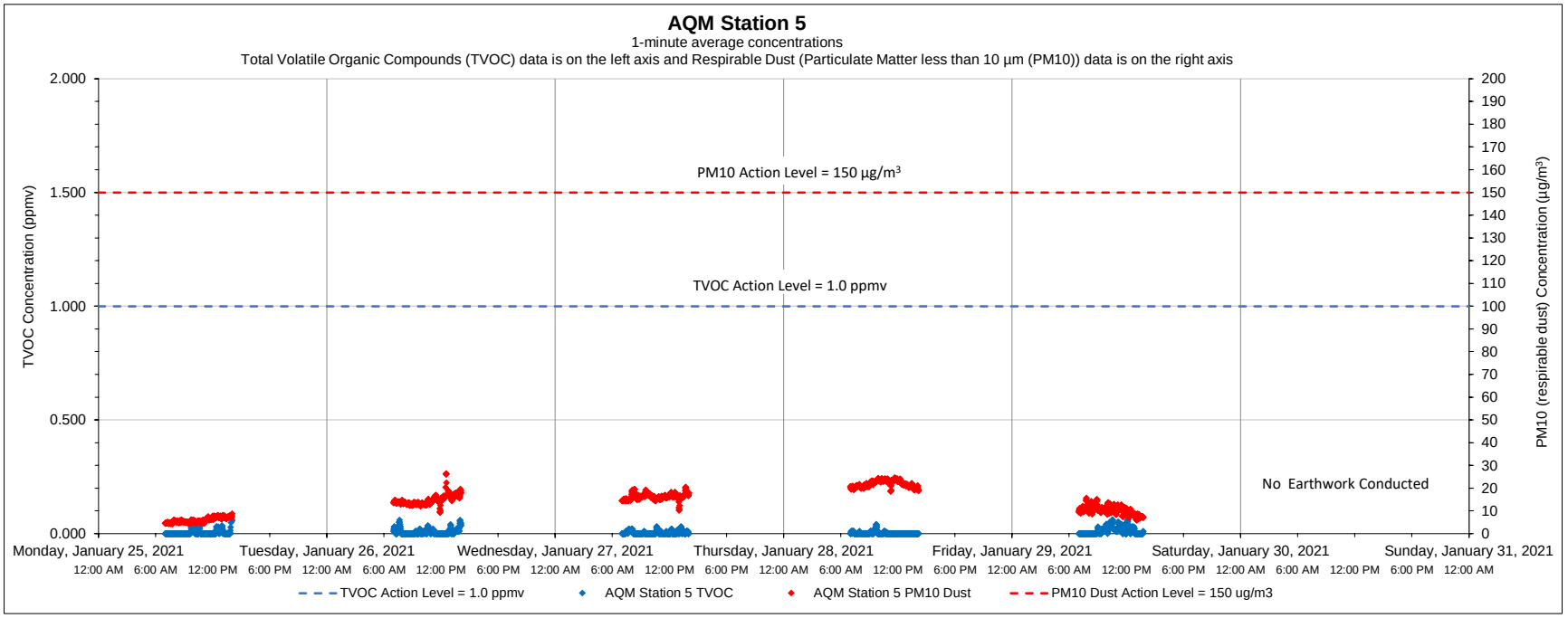

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.07	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.80	µg/m³
PM10 maximum concentration	26.30	µg/m³
PM10 action level	150	µg/m³

Equipment Notes
None

Notes:

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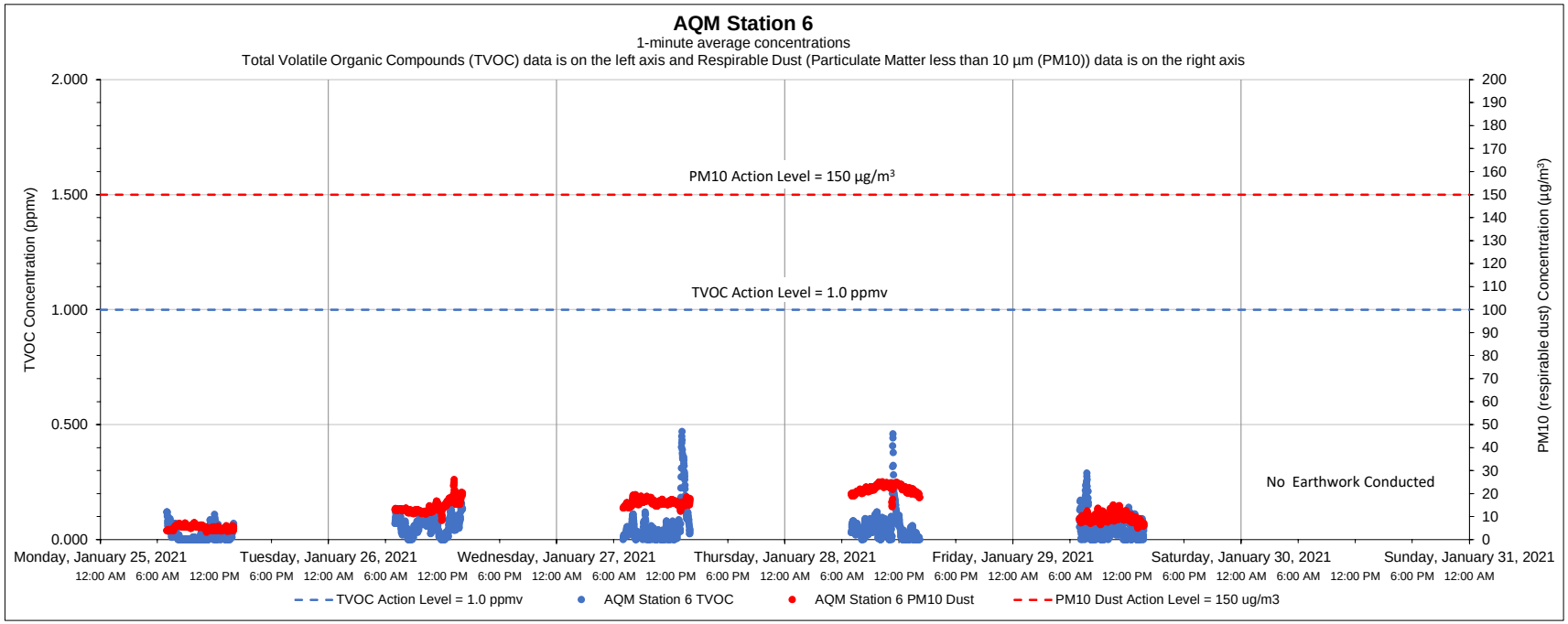

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.47	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.33	µg/m³
PM10 maximum concentration	26.08	µg/m³
PM10 action level	150	µg/m³

Notes:

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2/08/2021

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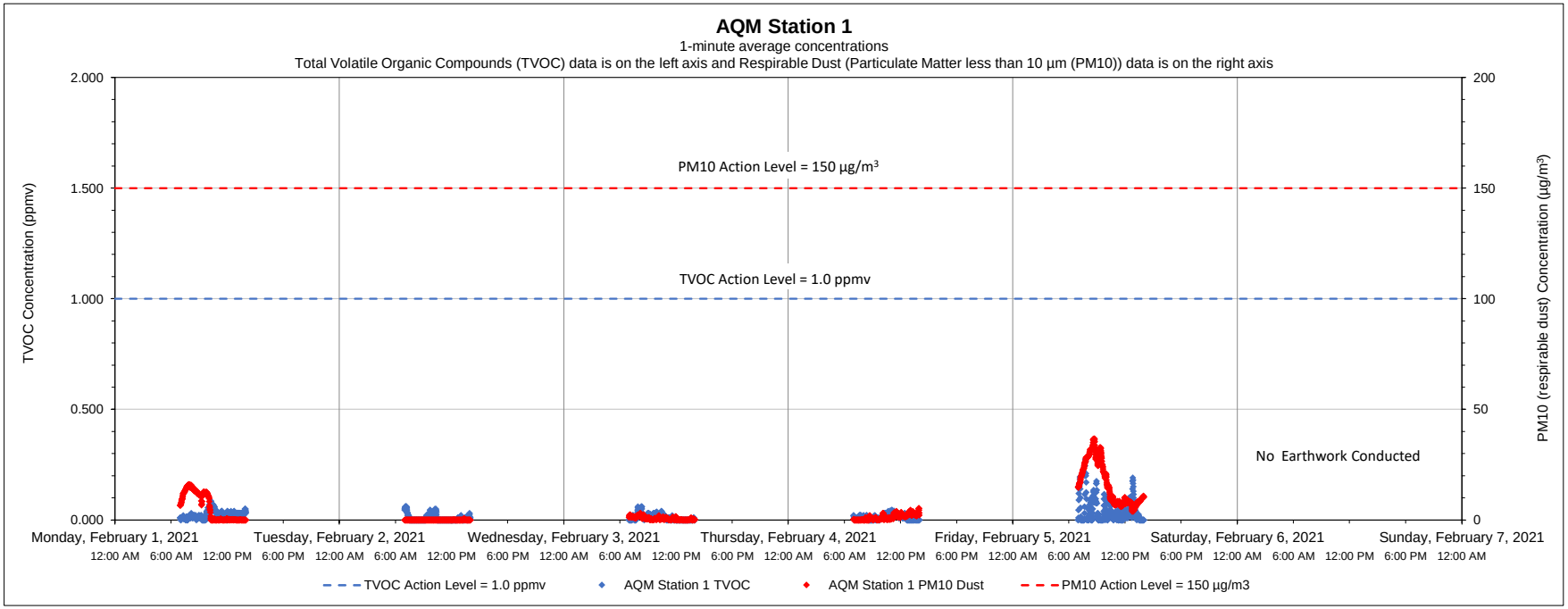

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.27	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.74	µg/m^3
PM10 maximum concentration	36.81	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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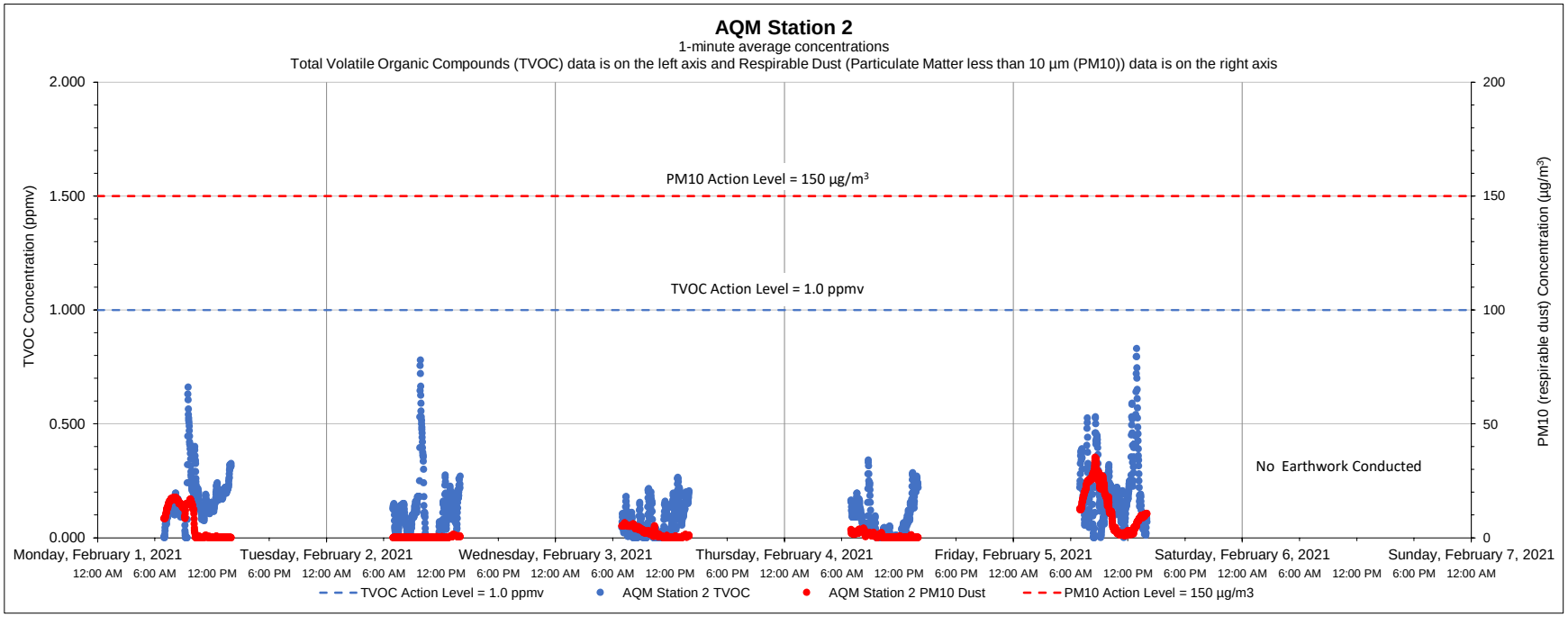

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.13	ppm
TVOCs maximum concentration	0.83	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.52	µg/m^3
PM10 maximum concentration	35.26	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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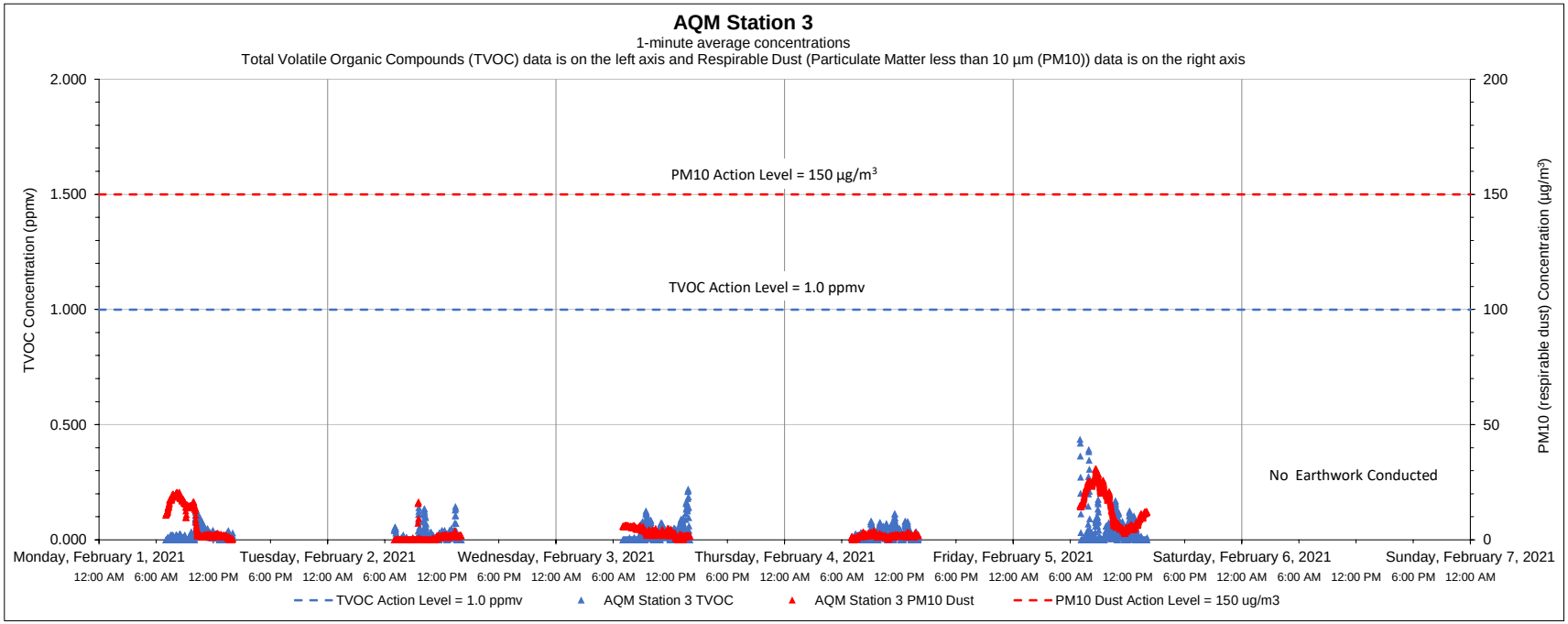

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.44	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.74	µg/m³
PM10 maximum concentration	30.90	µg/m³
PM10 action level	150	µg/m³

Notes:

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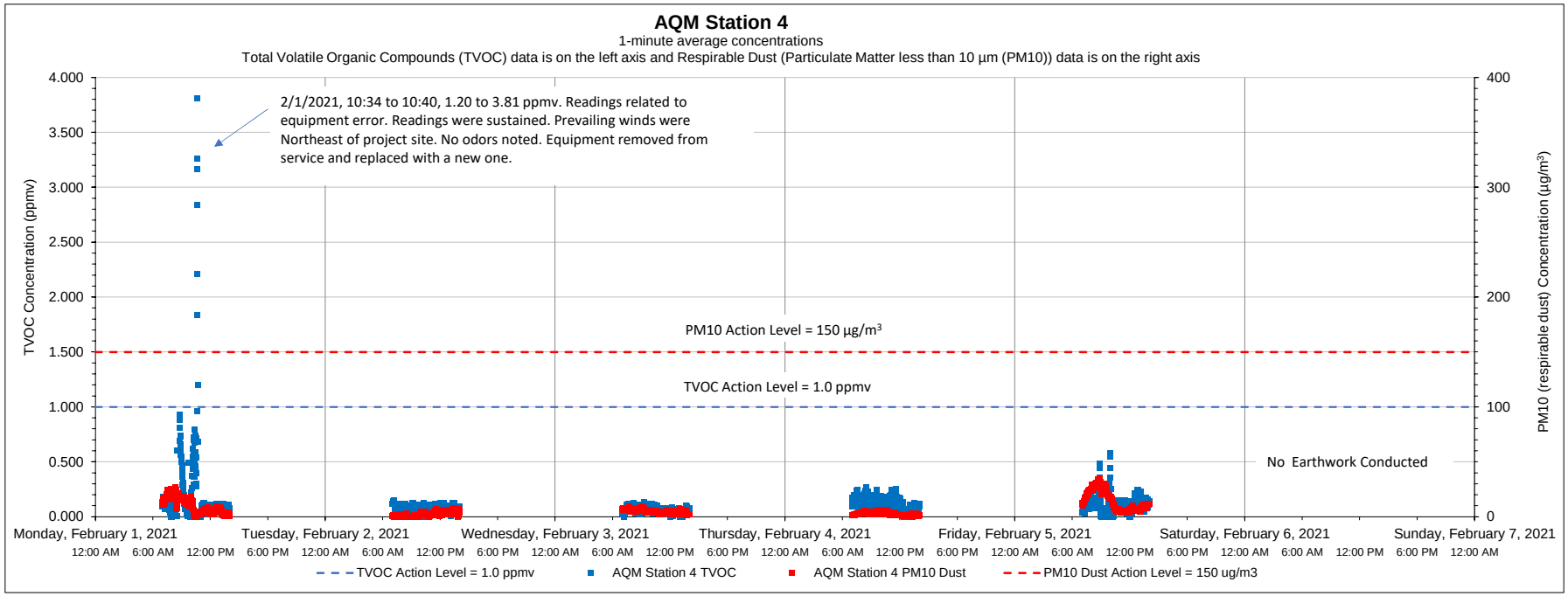

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
2/1/2021	10:34 to 10:40	TVOC	1.20 to 3.81 ppmv	Equipment removed from service and replaced with a new one

Data Summary Statistics		
TVOCs average concentration	0.11	ppm
TVOCs maximum concentration	3.81	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.79	µg/m³
PM10 maximum concentration	34.73	µg/m³
PM10 action level	150	µg/m³

Equipment Notes
Equipment error caused sustained action level exceedances. A handheld PID was utilized to confirm that the station's readings were inaccurate, and the site was checked for odors.
Equipment was removed from service and replaced with a new one.

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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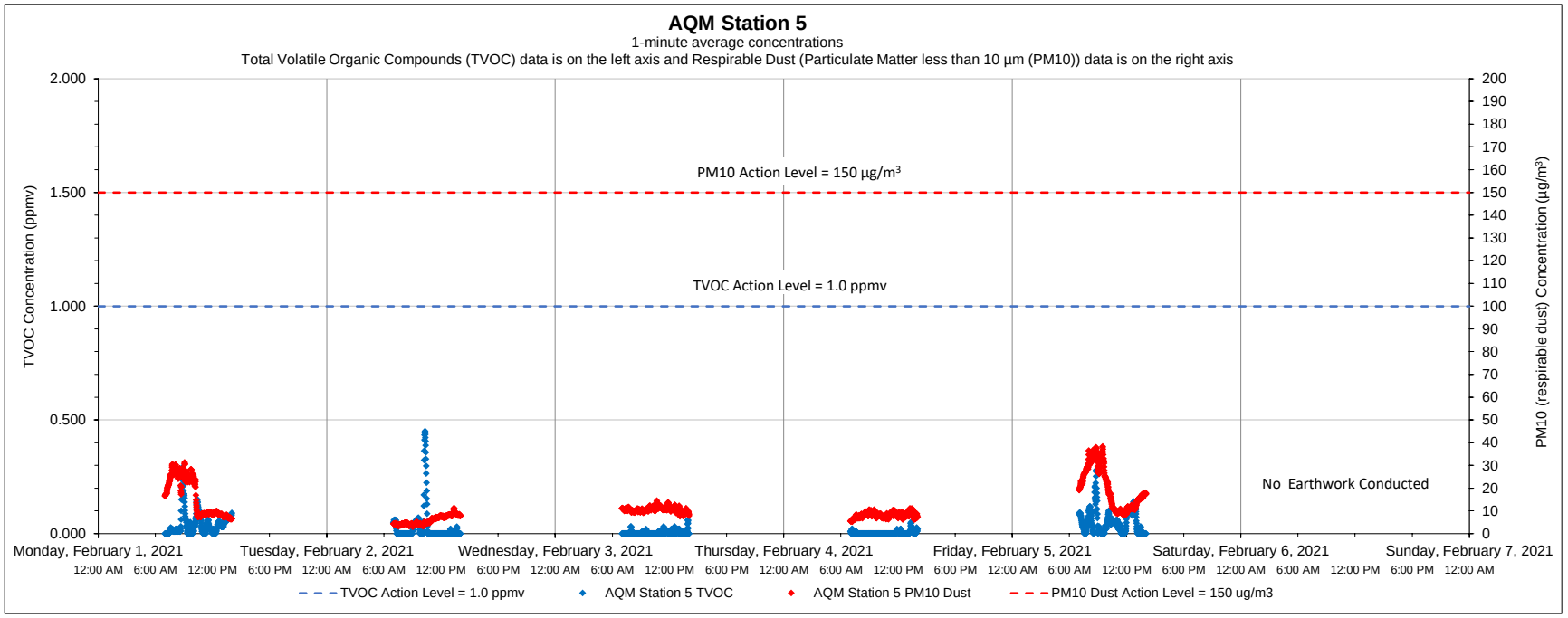

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.45	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.01	µg/m³
PM10 maximum concentration	38.30	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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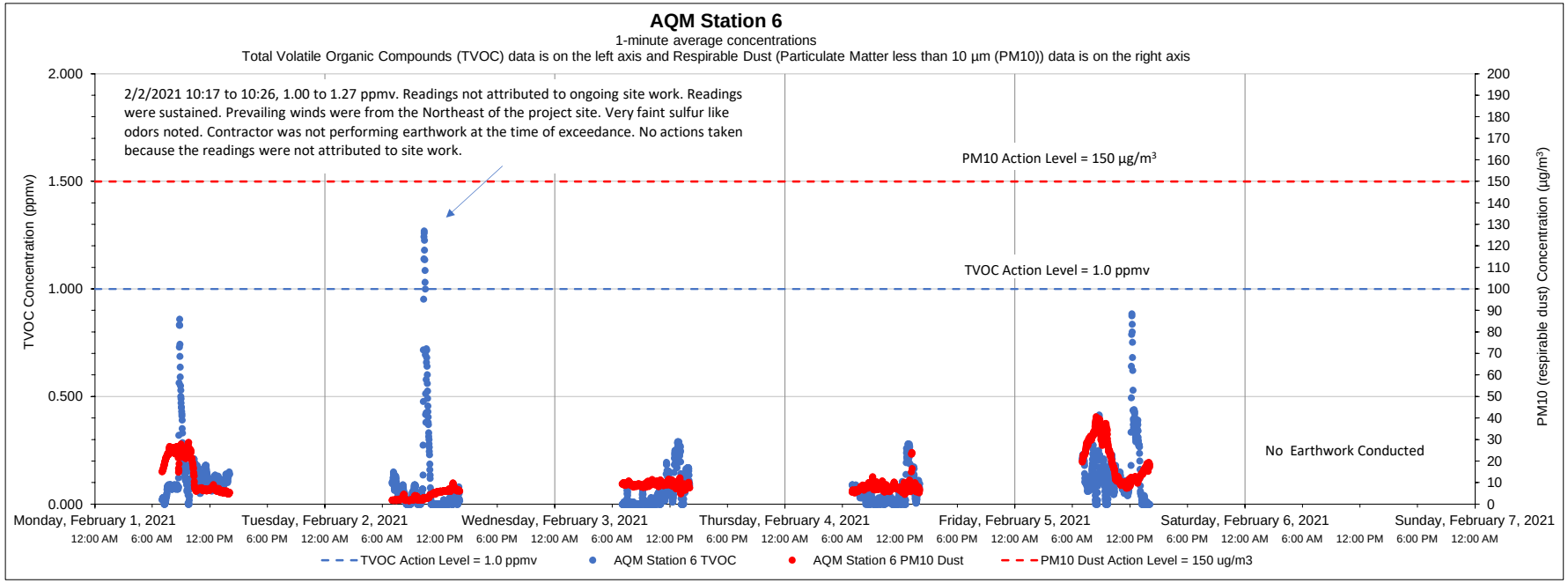

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
2/2/2021	10:17 to 10:26	TVOC	1.00 to 1.27 ppmv	No actions taken because the readings were not attributed to site work

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	1.27	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.15	µg/m^3
PM10 maximum concentration	40.61	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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GZA Job No. 03.0033554.04

2/15/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

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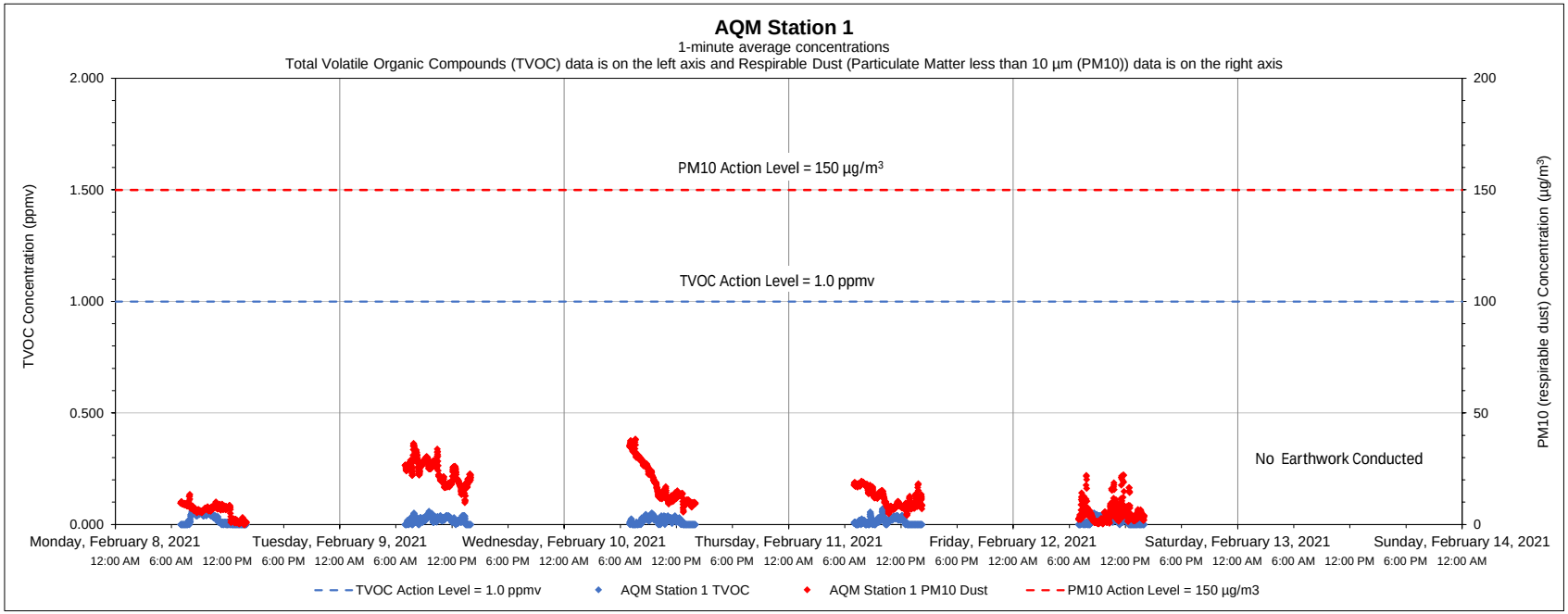

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.07	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.91	µg/m^3
PM10 maximum concentration	38.19	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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2/15/2021

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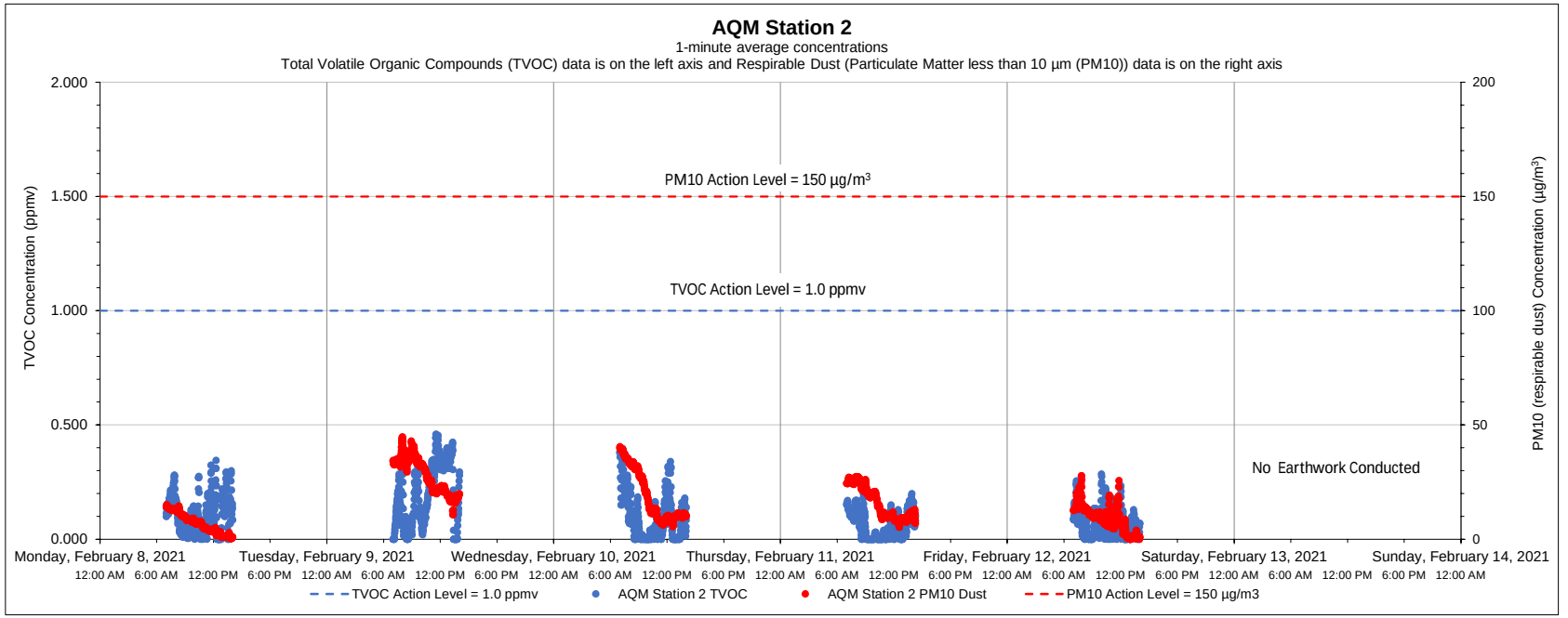

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.10	ppm
TVOCs maximum concentration	0.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.67	µg/m^3
PM10 maximum concentration	44.80	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

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Prepared by GZA on behalf of National Grid LNG LLC

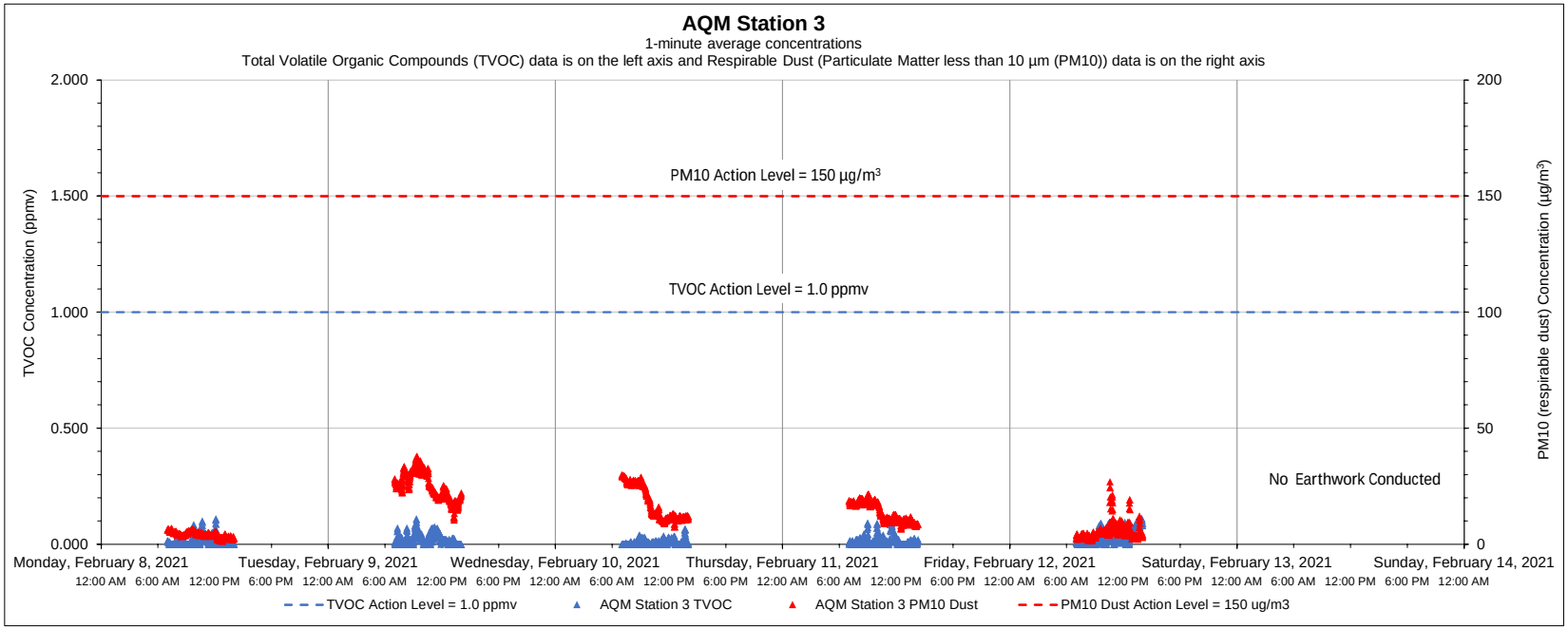
GZA Job No. 03.0033554.04

2/15/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.11	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.28	µg/m^3
PM10 maximum concentration	37.94	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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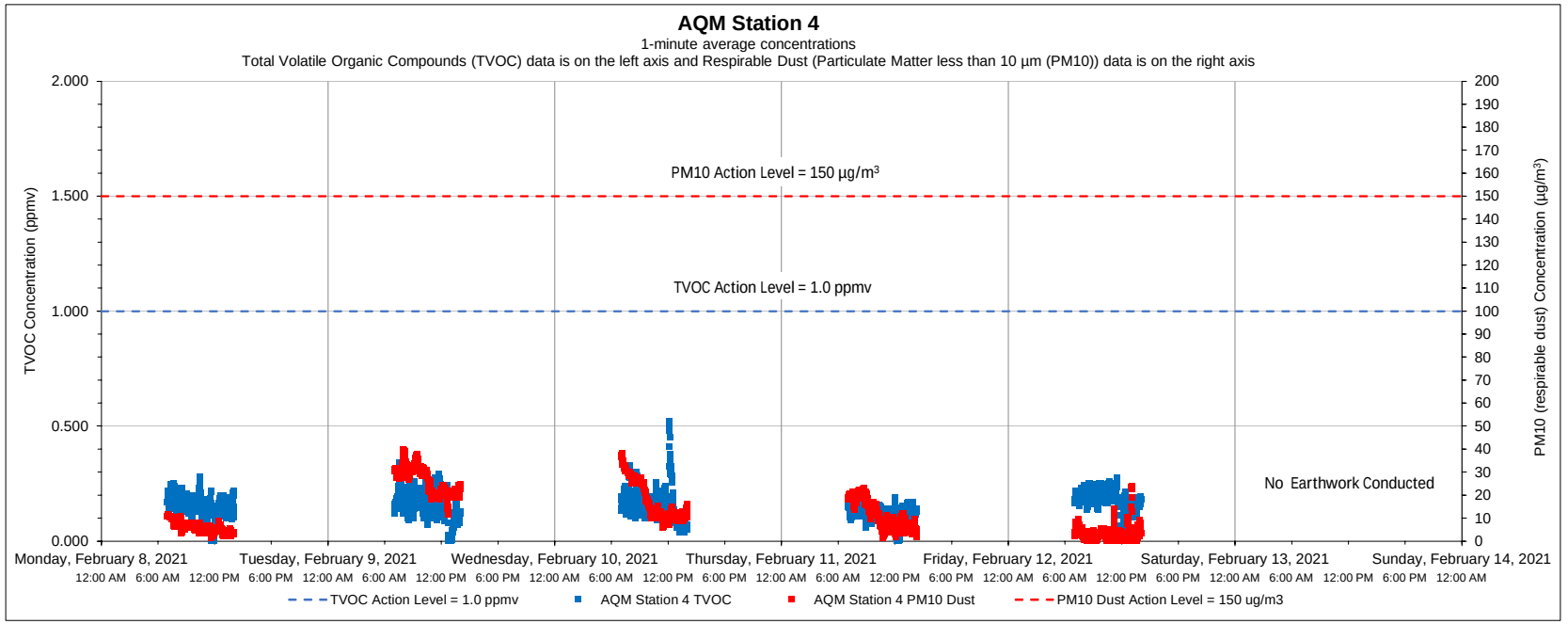

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.15	ppm
TVOCs maximum concentration	0.52	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.82	µg/m^3
PM10 maximum concentration	39.88	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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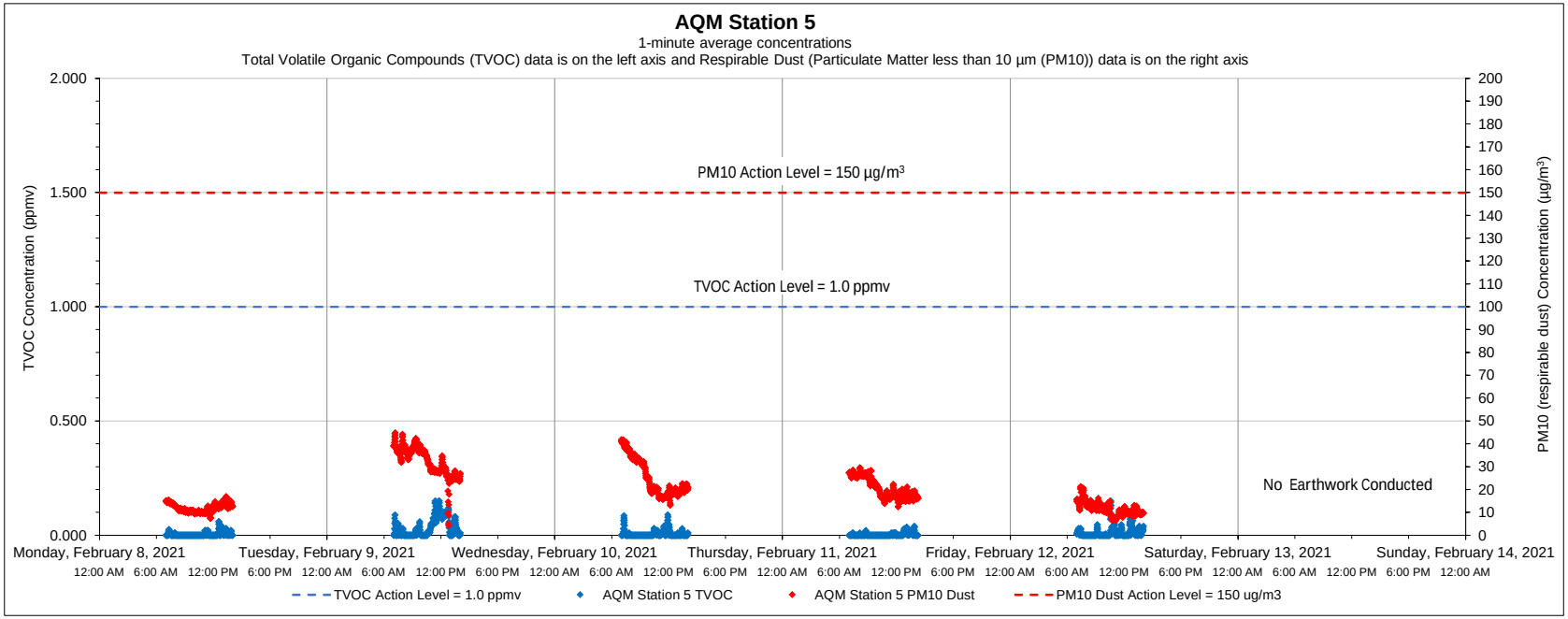

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.15	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.27	µg/m^3
PM10 maximum concentration	44.82	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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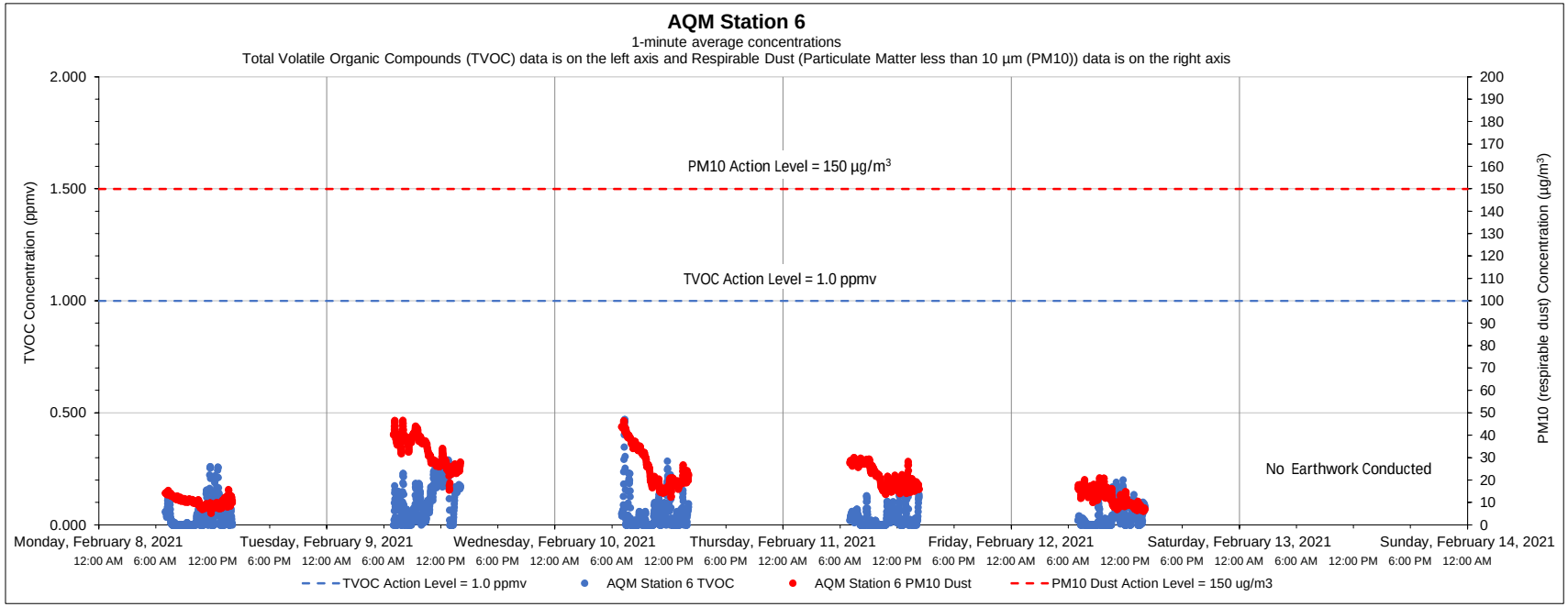

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.47	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.47	µg/m^3
PM10 maximum concentration	46.69	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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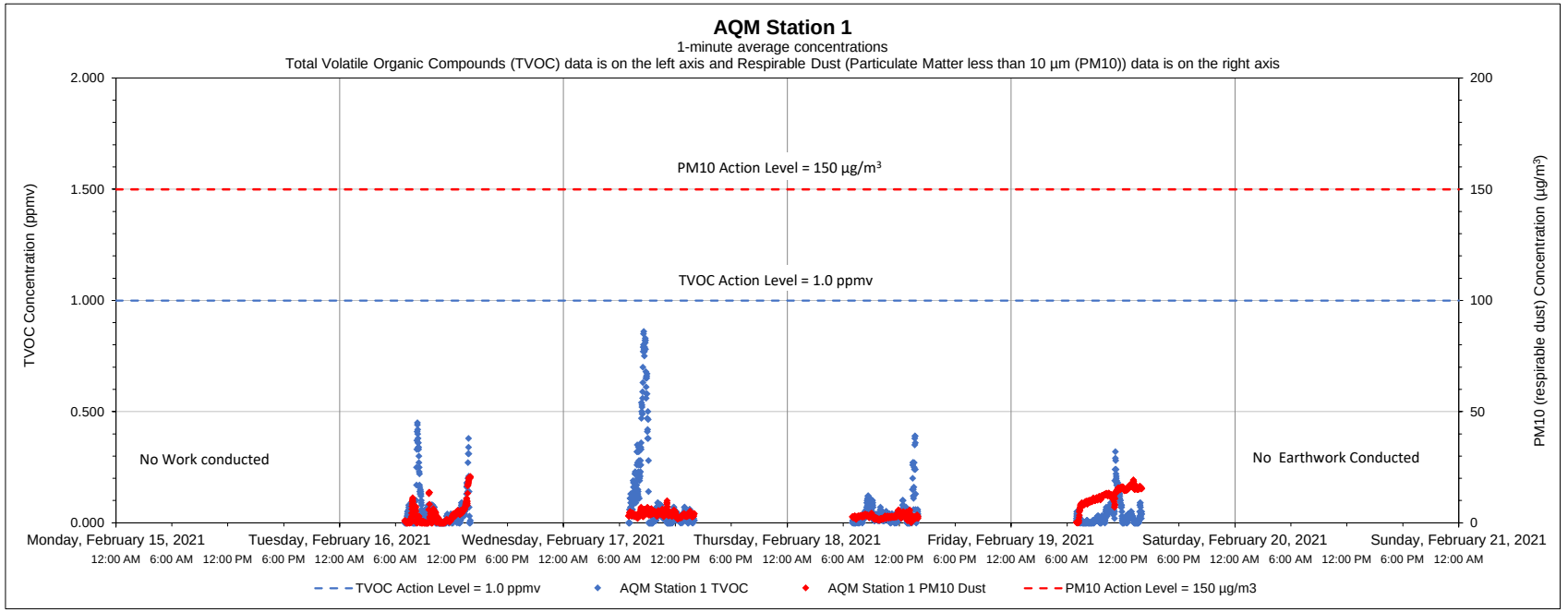

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.86	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.53	µg/m³
PM10 maximum concentration	20.81	µg/m³
PM10 action level	150	µg/m³

Notes:

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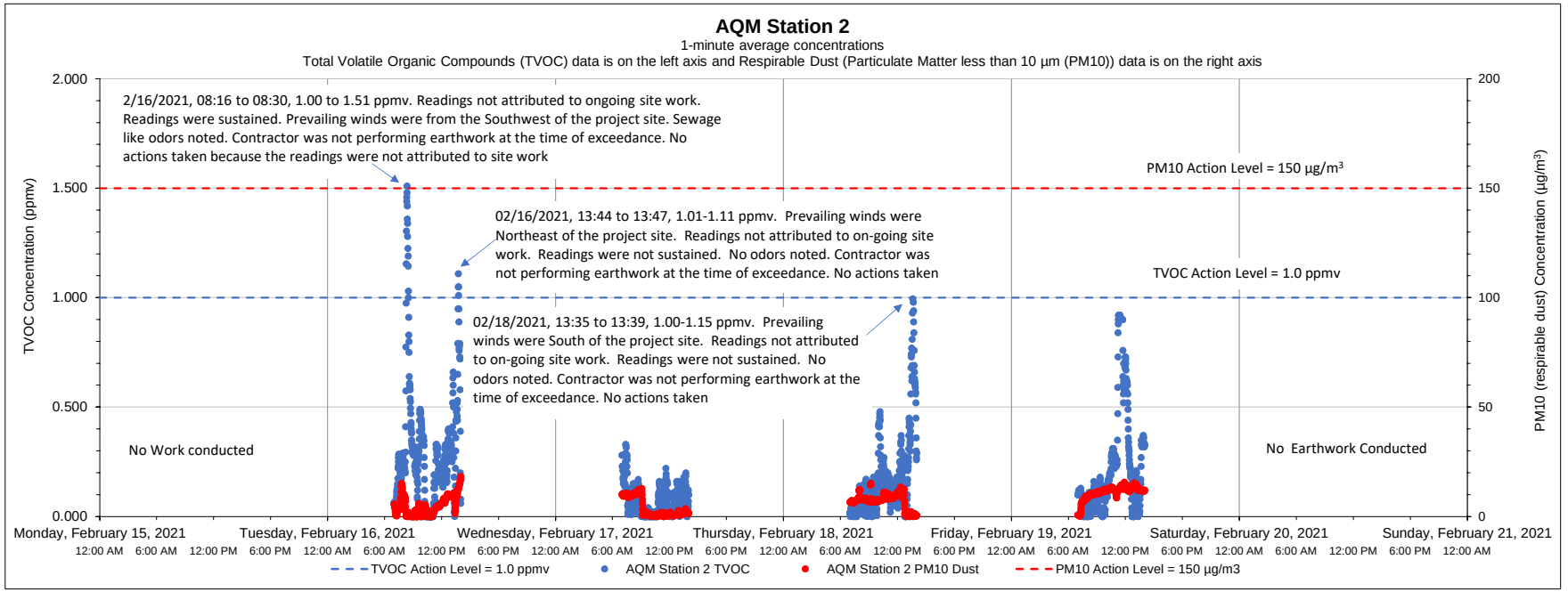

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
2/16/2021	08:16 to 08:30	TVOC	1:00 to 1.51 ppmv	No actions taken because the readings were not attributed to site work

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.19	ppm
TVOCs maximum concentration	1.51	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.71	µg/m³
PM10 maximum concentration	18.31	µg/m³
PM10 action level	150	µg/m³

Notes:

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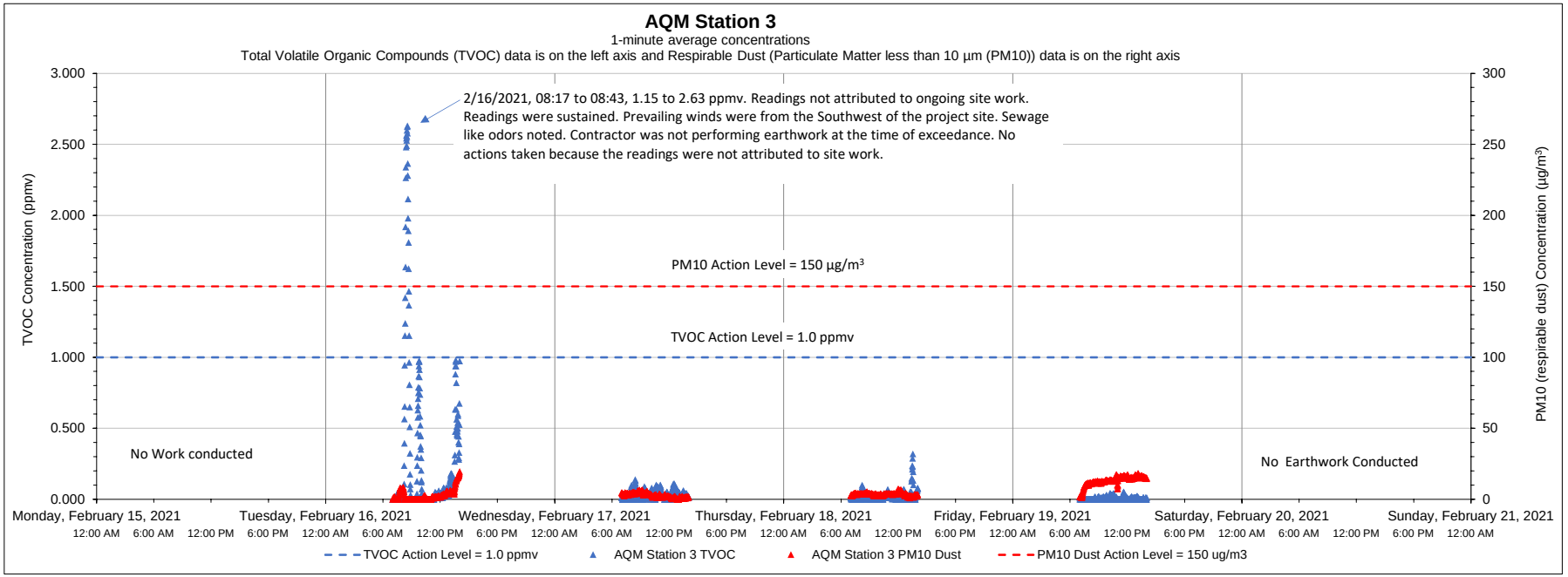

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
02/16/2021	08:17 to 08:45	TVOC	1:15 to 2.63 ppmv	No actions taken because the readings were not attributed to site work

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	2.63	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.59	µg/m^3
PM10 maximum concentration	19.52	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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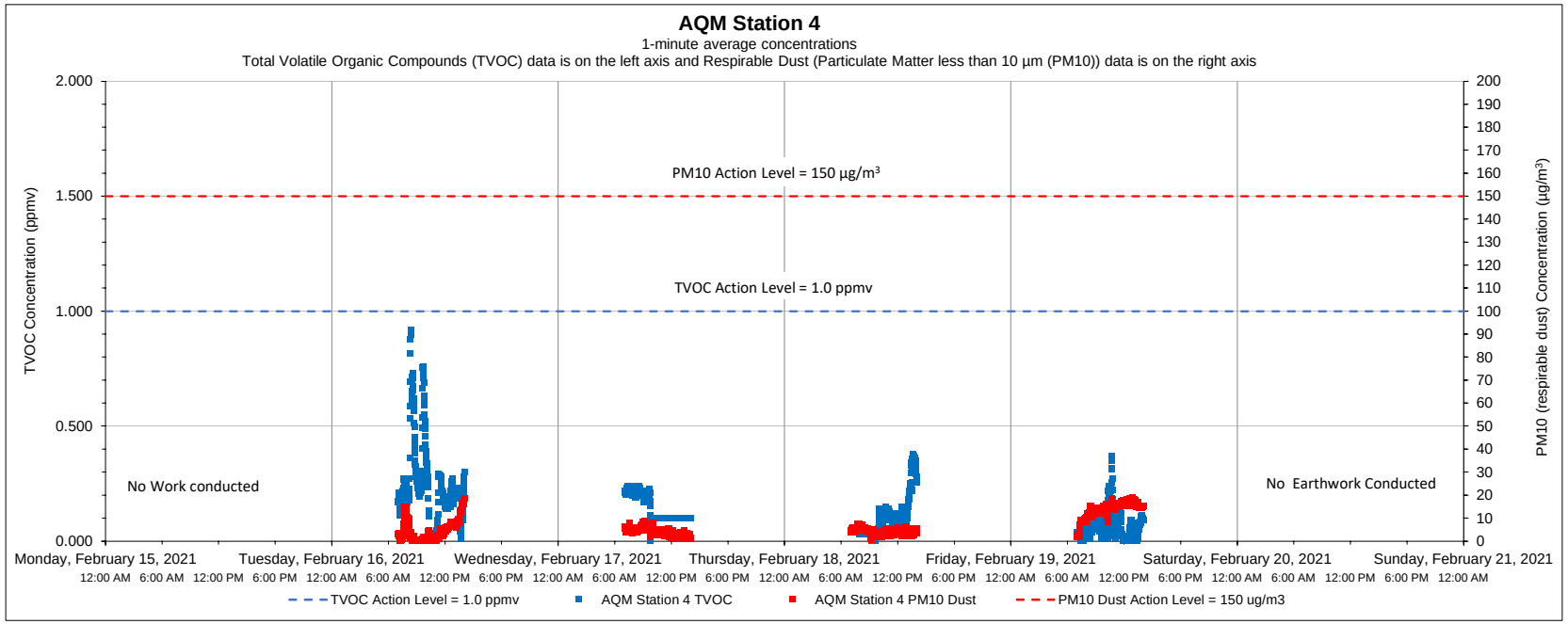

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.13	ppm
TVOCs maximum concentration	0.92	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.47	µg/m^3
PM10 maximum concentration	19.14	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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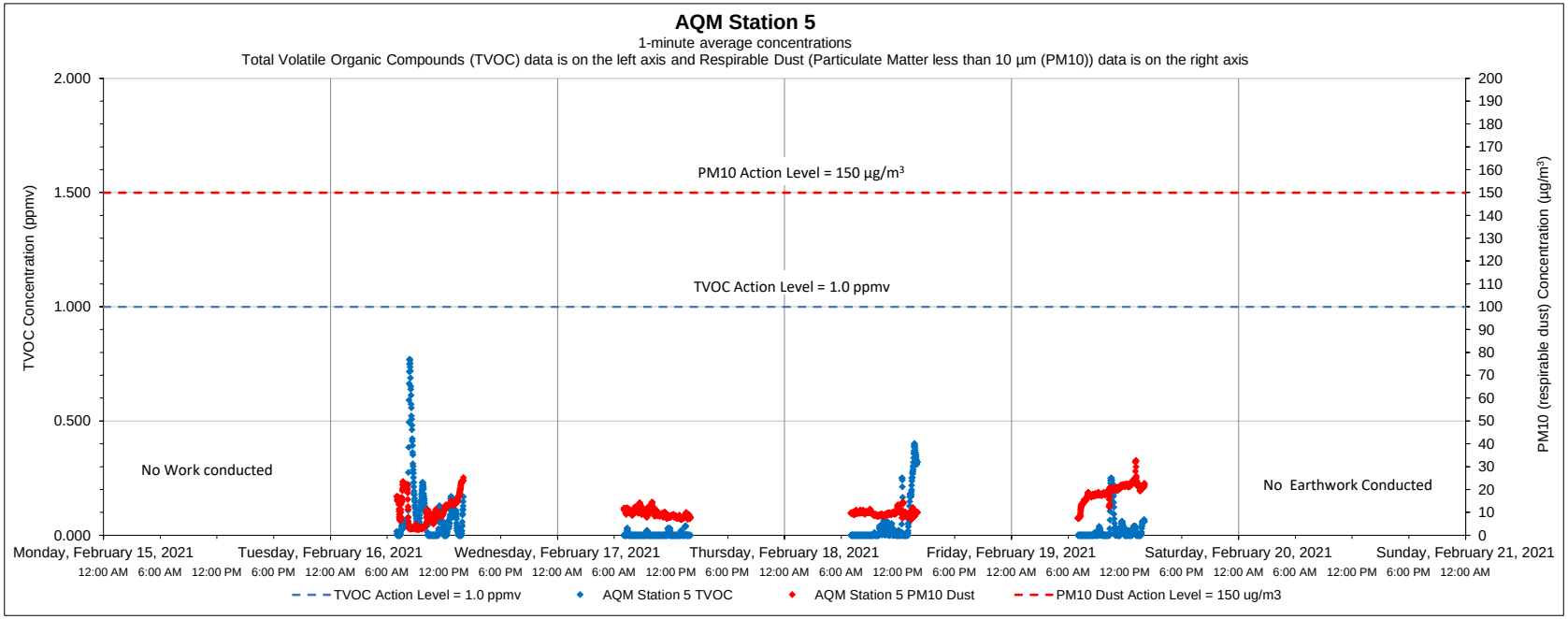

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.77	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.18	µg/m^3
PM10 maximum concentration	32.70	µg/m^3
PM10 action level	150	µg/m^3

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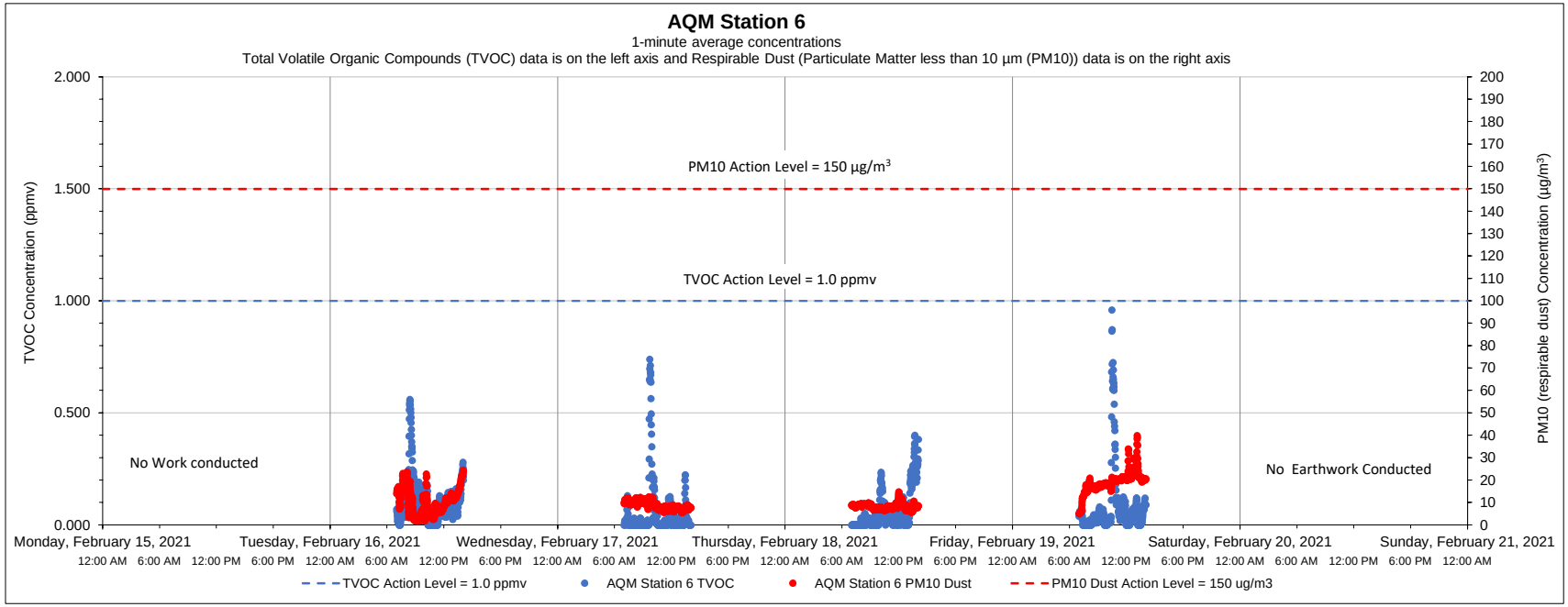

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.96	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.49	µg/m³
PM10 maximum concentration	39.92	µg/m³
PM10 action level	150	µg/m³

Notes:

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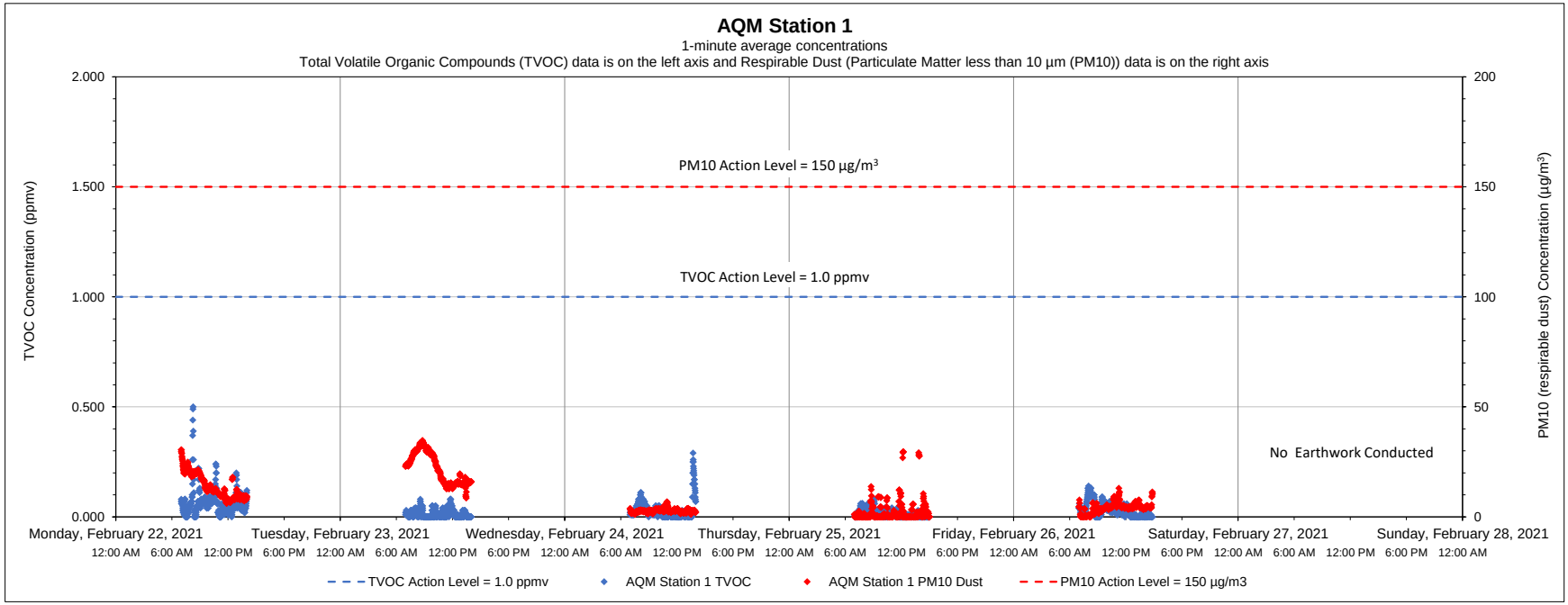

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.50	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.60	µg/m^3
PM10 maximum concentration	34.73	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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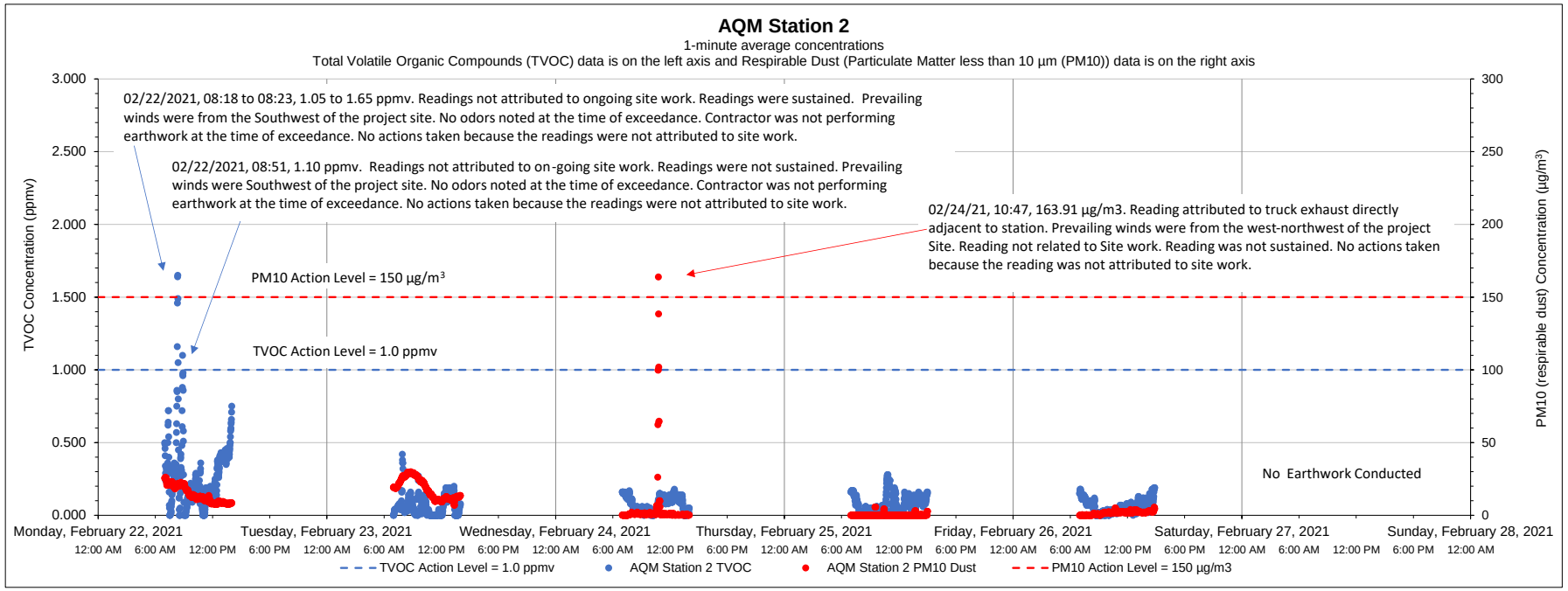

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
2/22/2021	08:18 to 08:23	TVOC	1.05 to 1.65 ppmv	No actions taken because the readings were not attributed to site work

Data Summary Statistics		
TVOCs average concentration	0.11	ppm
TVOCs maximum concentration	1.65	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.10	µg/m^3
PM10 maximum concentration	163.91	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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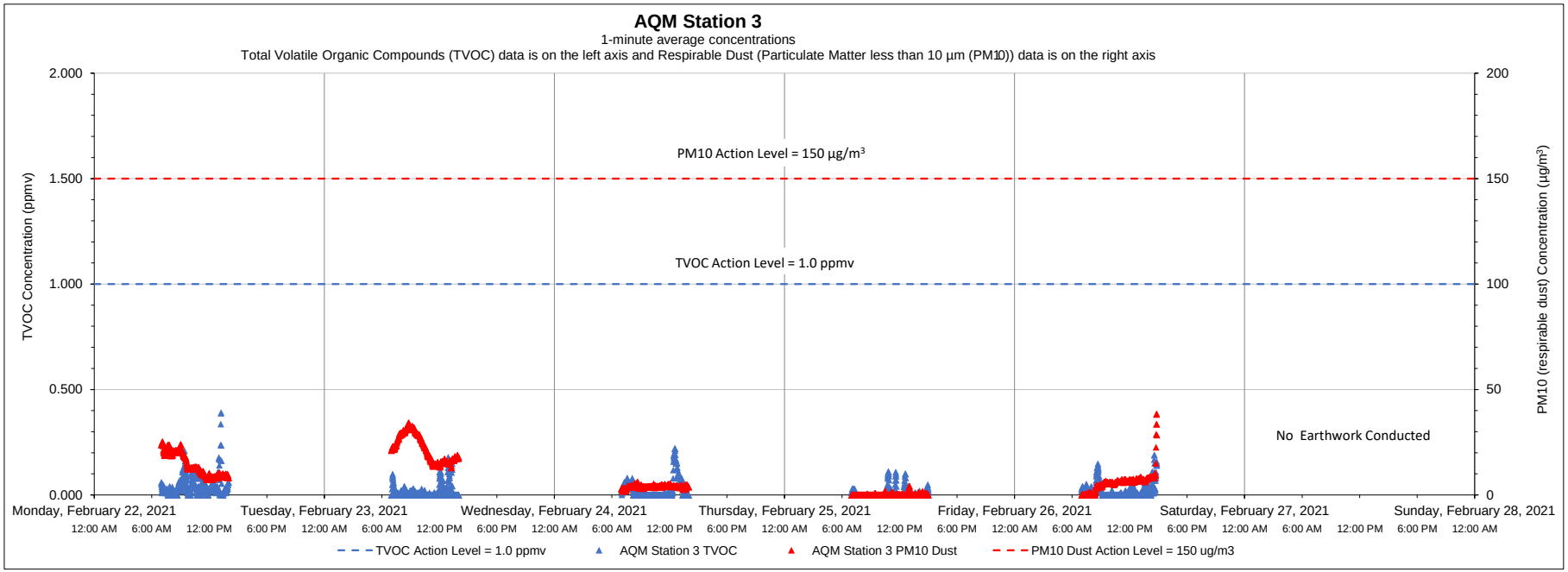

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.39	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.96	µg/m^3
PM10 maximum concentration	38.57	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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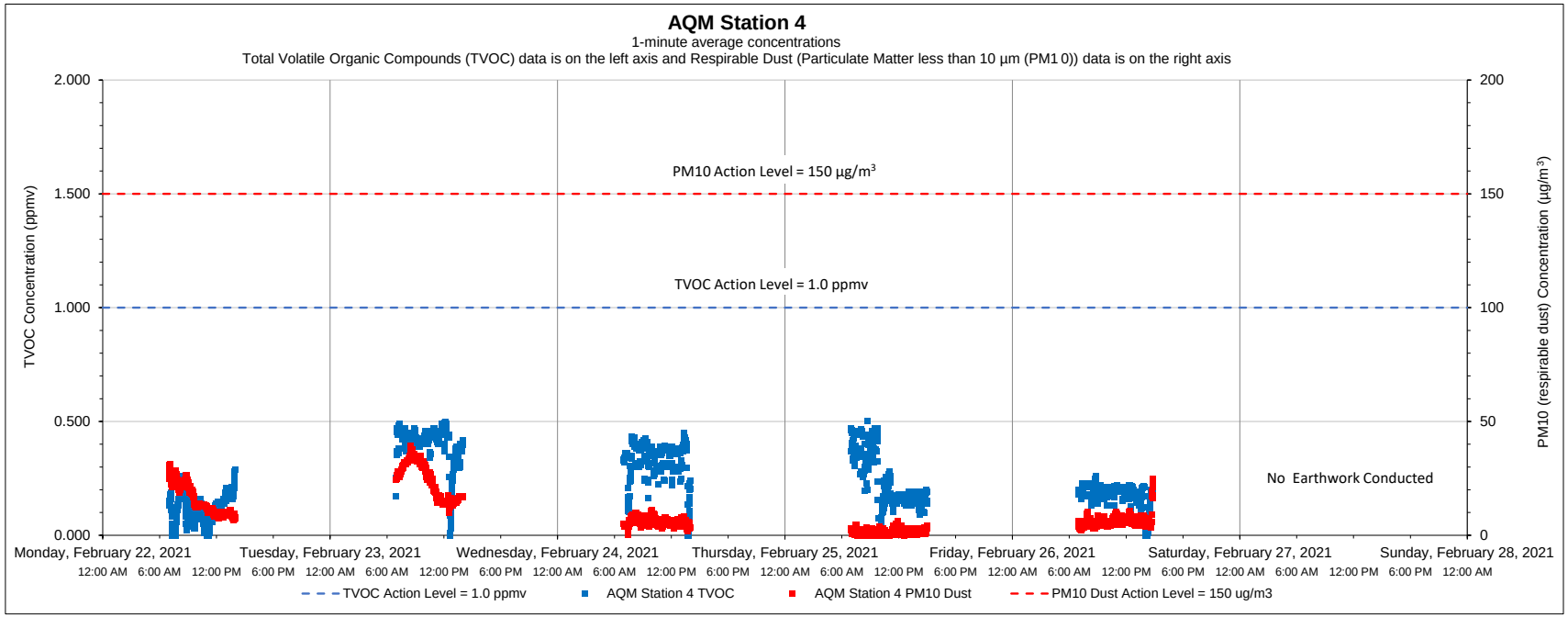

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.25	ppm
TVOCs maximum concentration	0.50	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.19	µg/m^3
PM10 maximum concentration	39.21	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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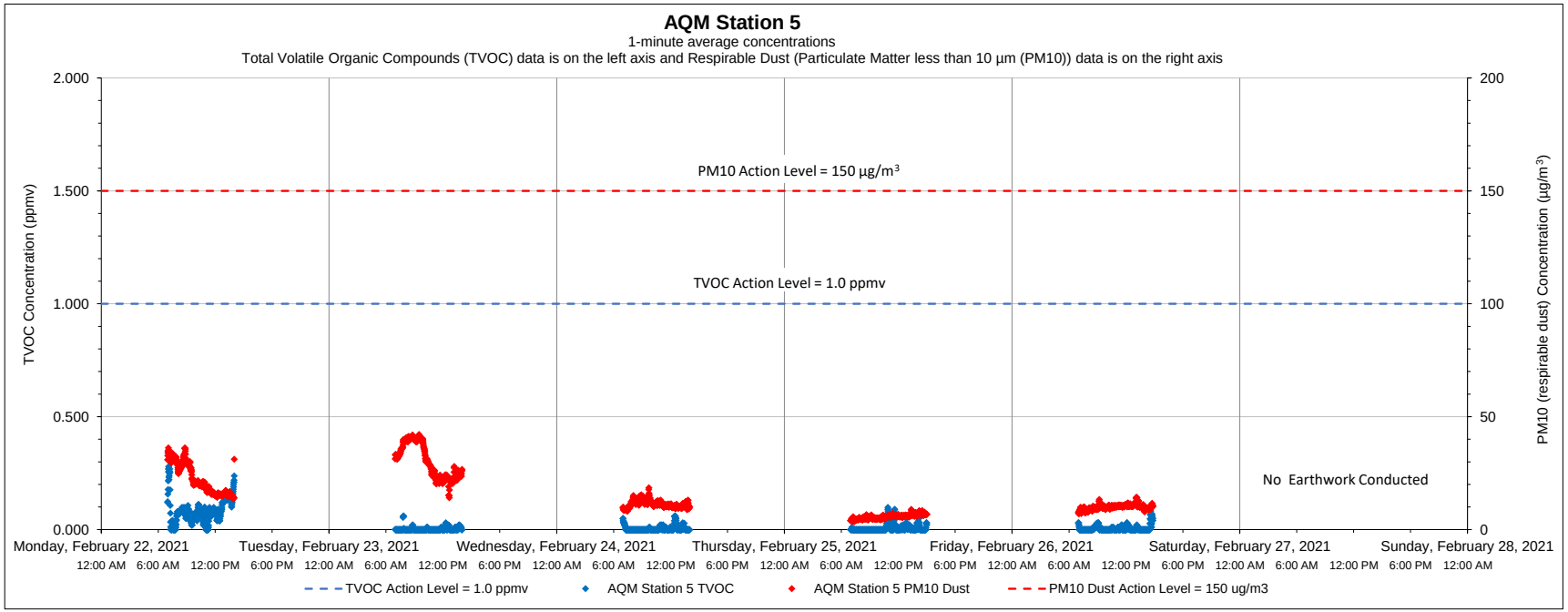

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.28	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.48	µg/m^3
PM10 maximum concentration	42.16	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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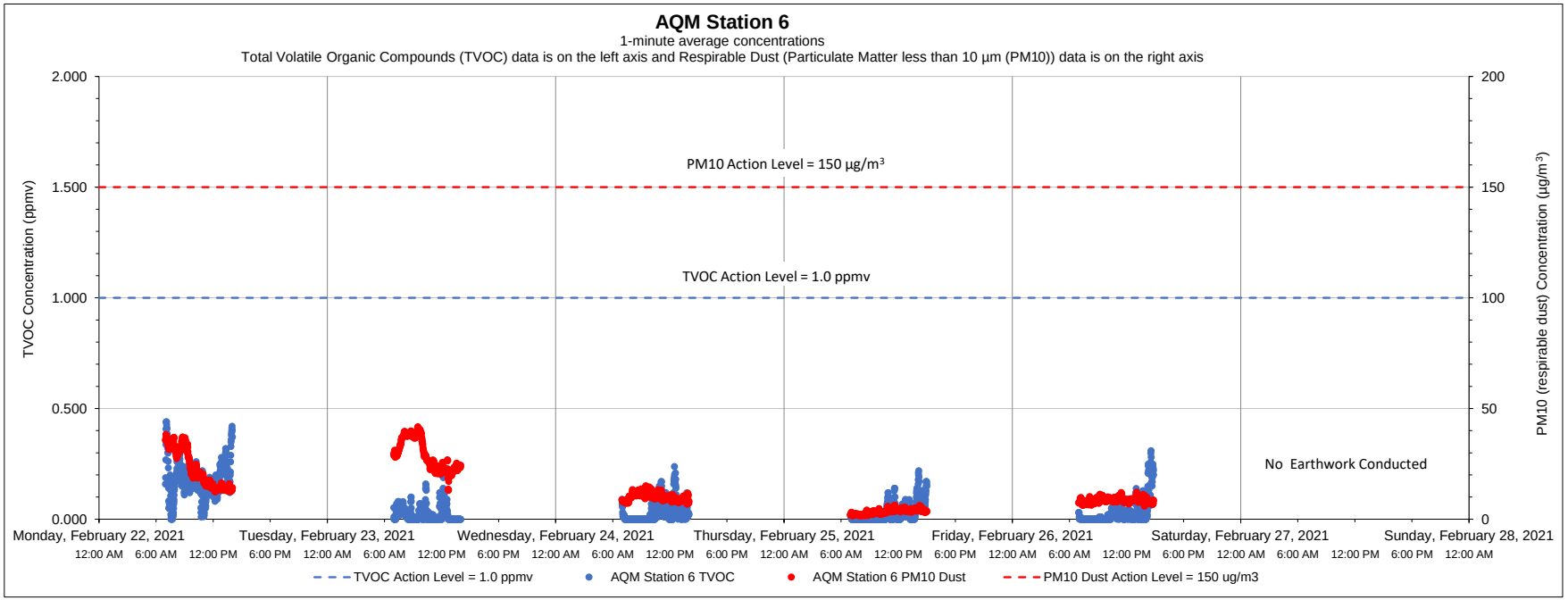

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.44	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.29	µg/m³
PM10 maximum concentration	41.77	µg/m³
PM10 action level	150	µg/m³

Notes:

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3/08/2021

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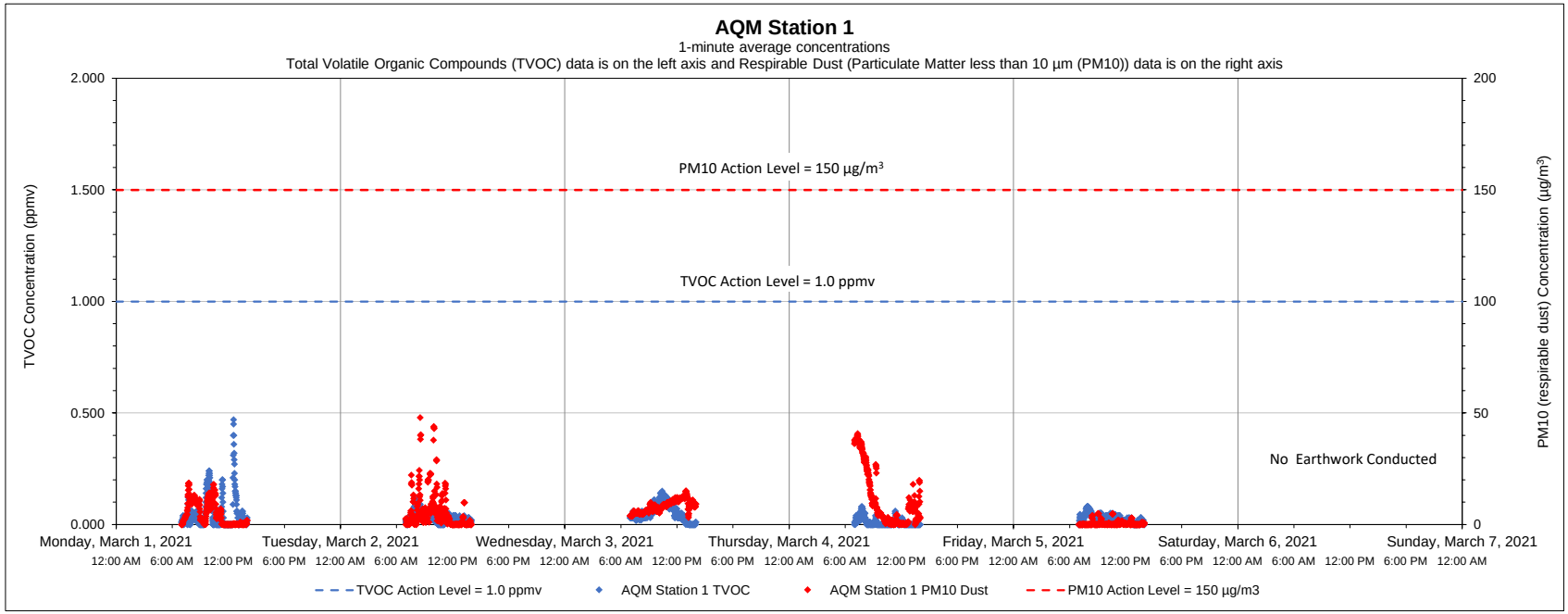
STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.47	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.87	µg/m³
PM10 maximum concentration	47.98	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

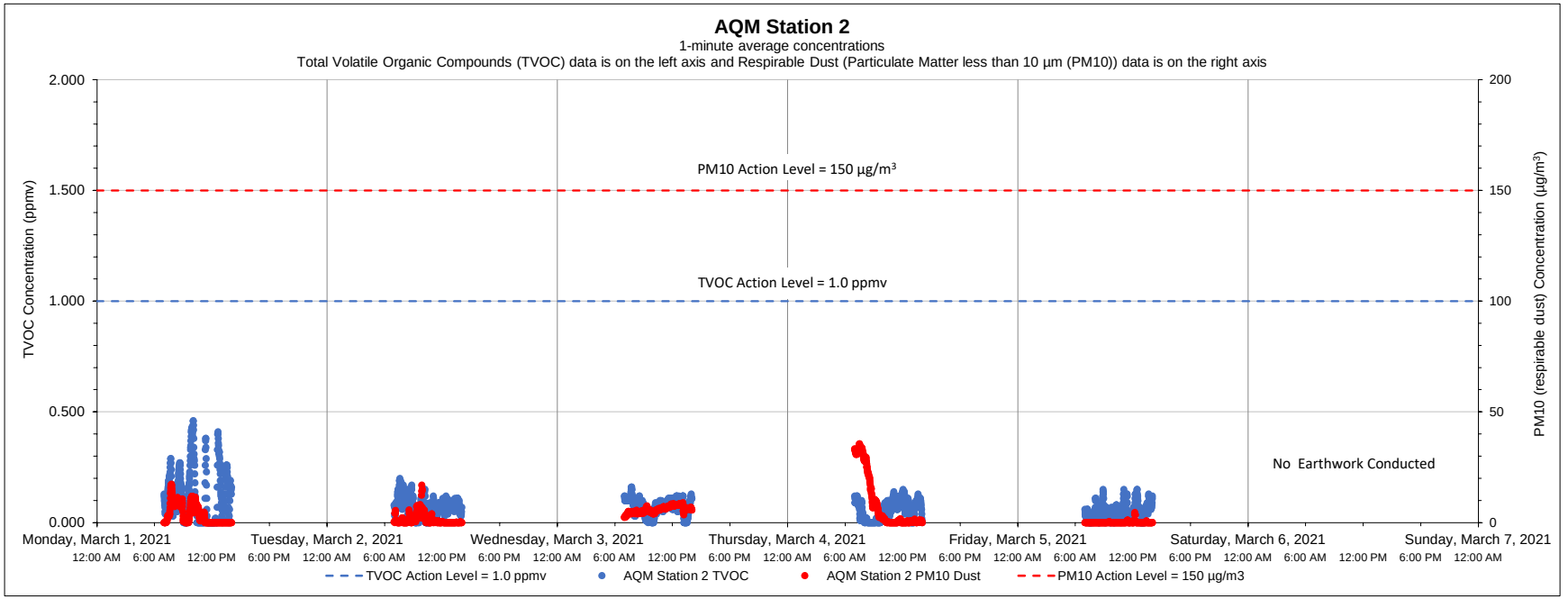
GZA Job No. 03.0033554.04

3/08/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.82	µg/m^3
PM10 maximum concentration	35.52	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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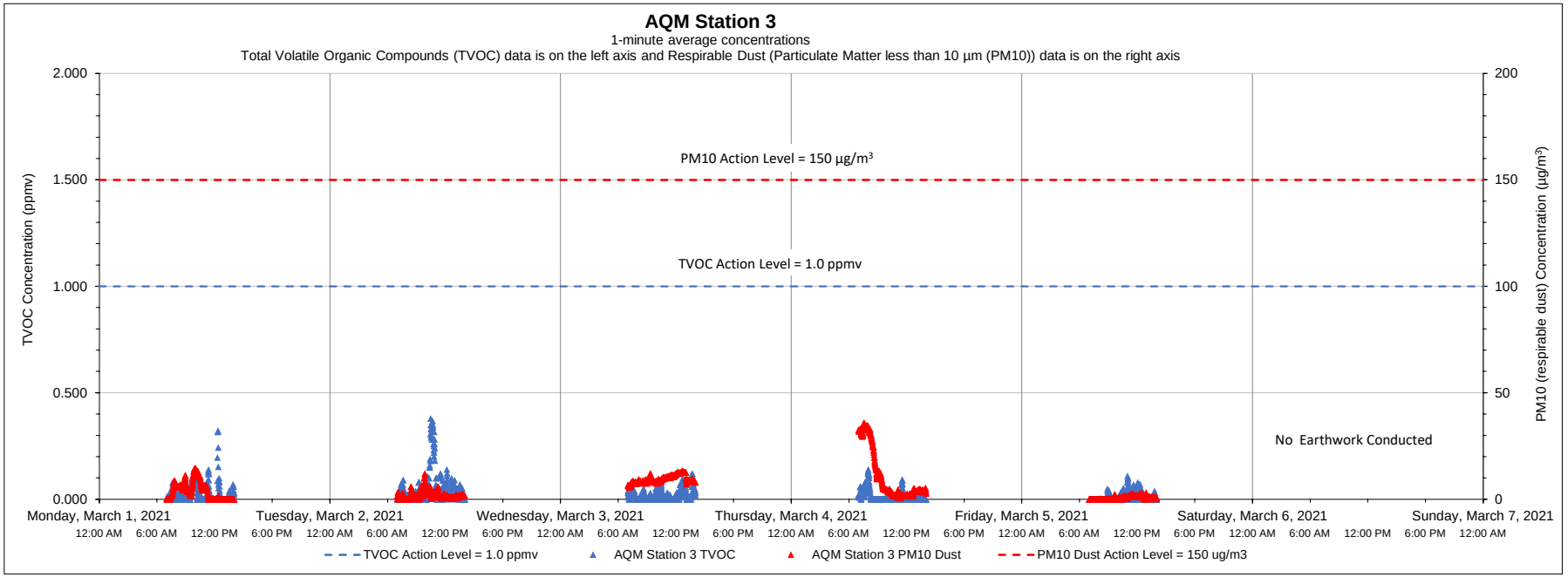

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.38	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.34	µg/m³
PM10 maximum concentration	35.86	µg/m³
PM10 action level	150	µg/m³

Notes:

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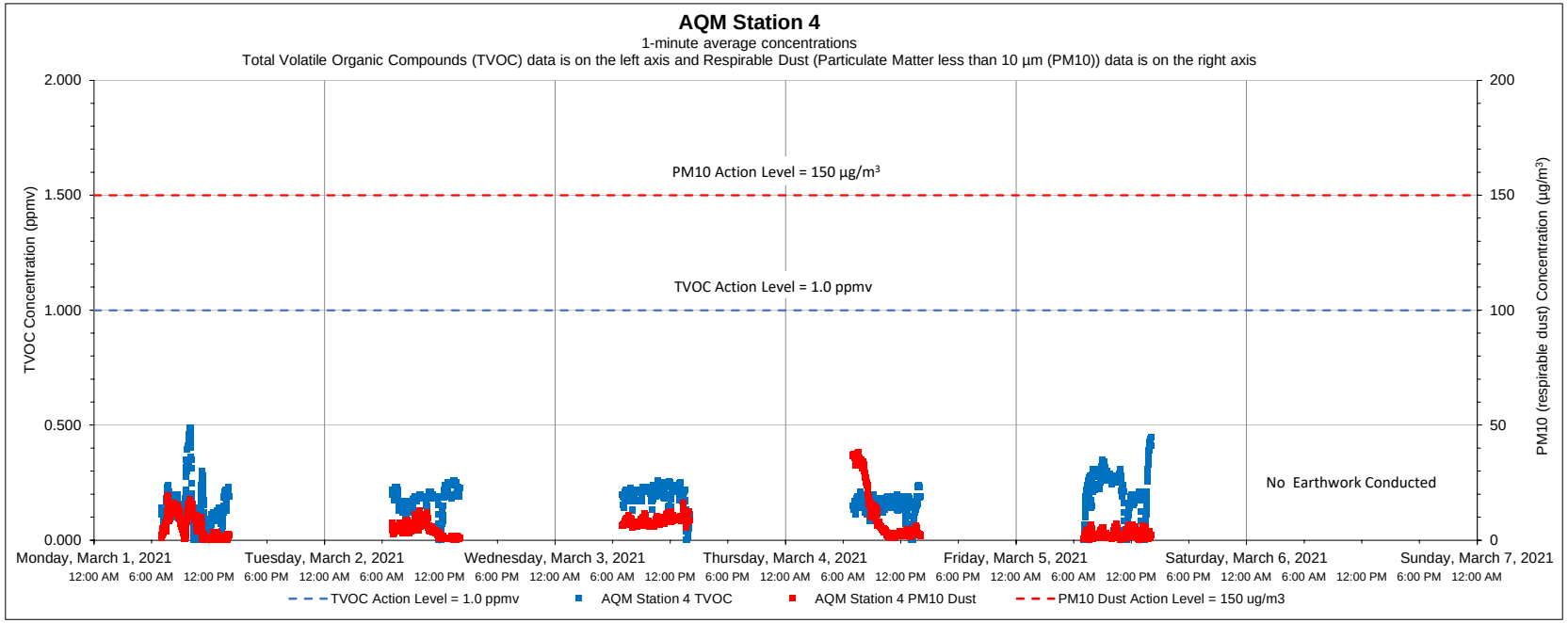

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.18	ppm
TVOCs maximum concentration	0.49	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.50	µg/m^3
PM10 maximum concentration	38.27	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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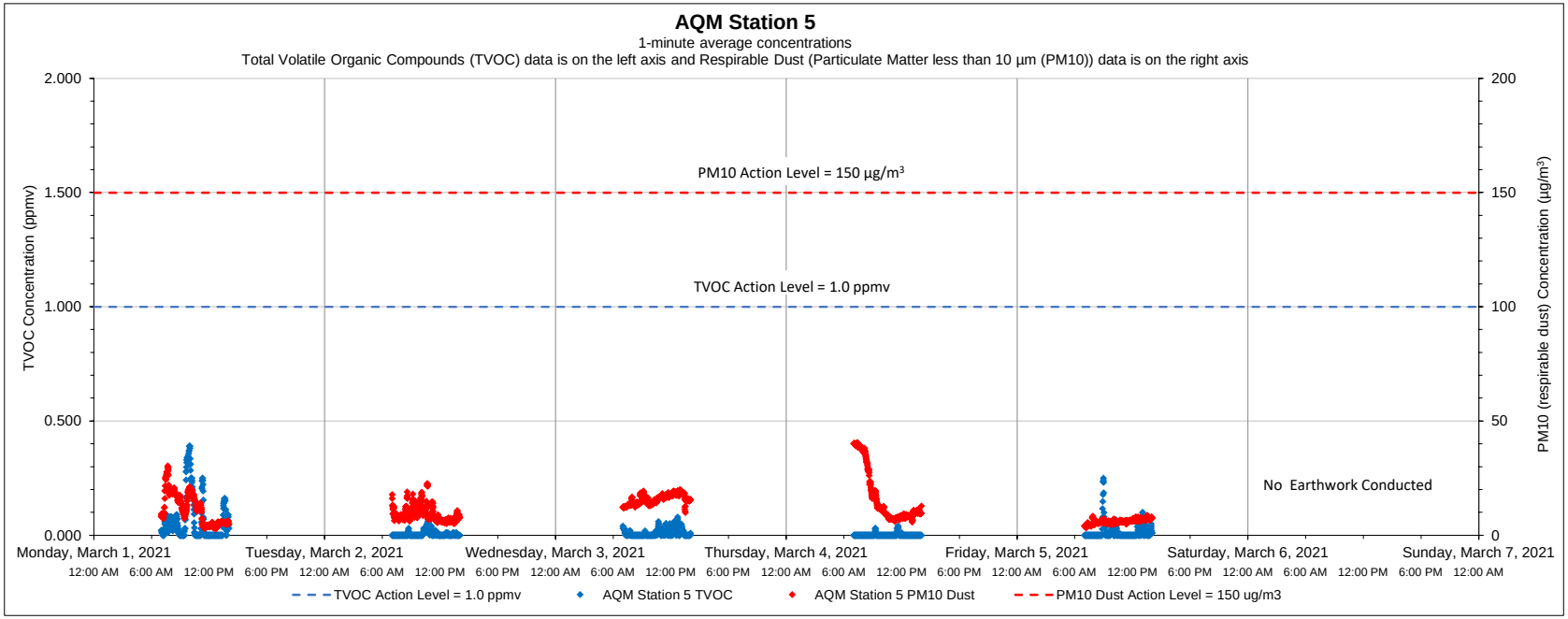

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.39	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.70	µg/m^3
PM10 maximum concentration	40.43	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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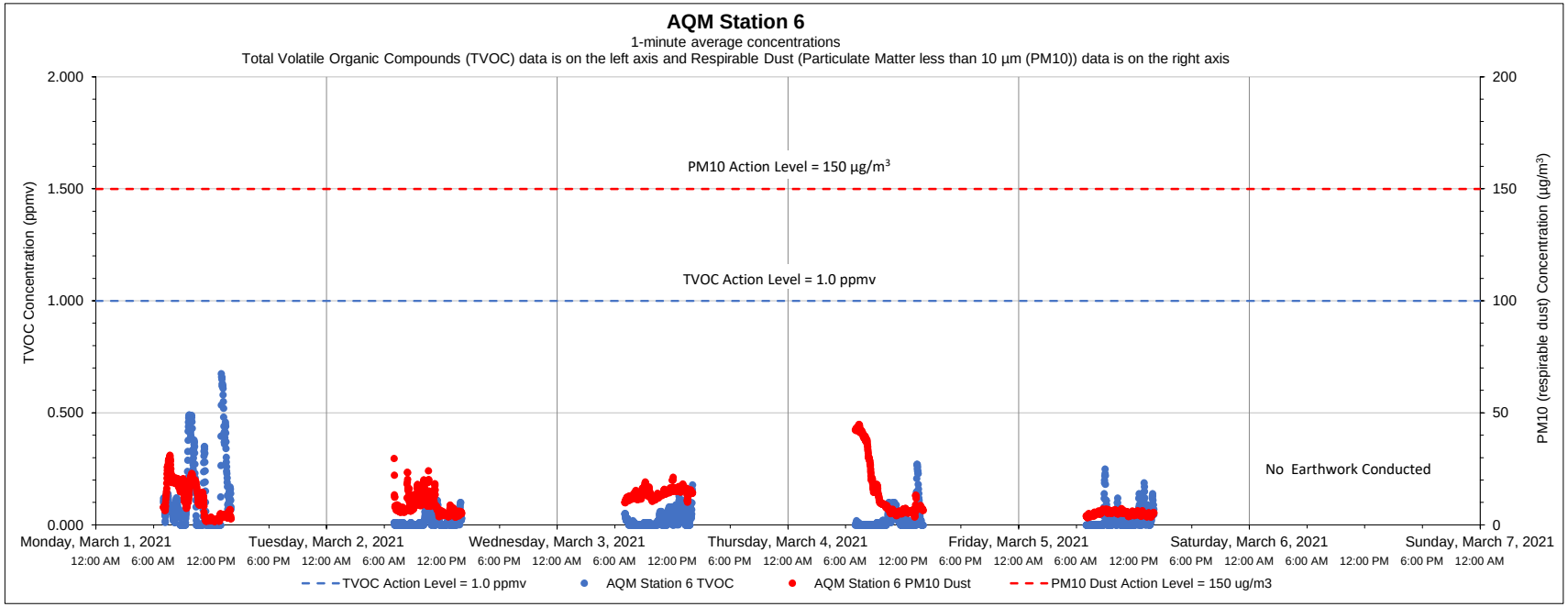

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.68	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.90	µg/m³
PM10 maximum concentration	44.92	µg/m³
PM10 action level	150	µg/m³

Notes:

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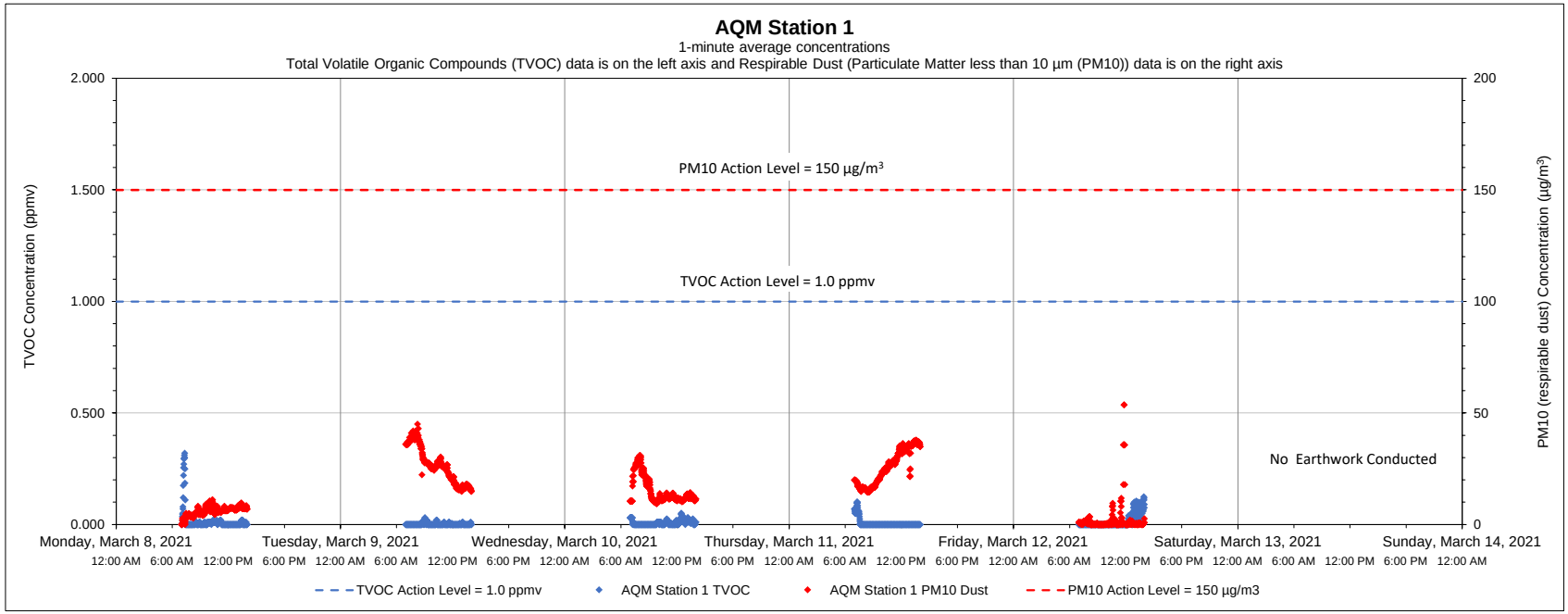

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.86	µg/m³
PM10 maximum concentration	53.59	µg/m³
PM10 action level	150	µg/m³

Notes:

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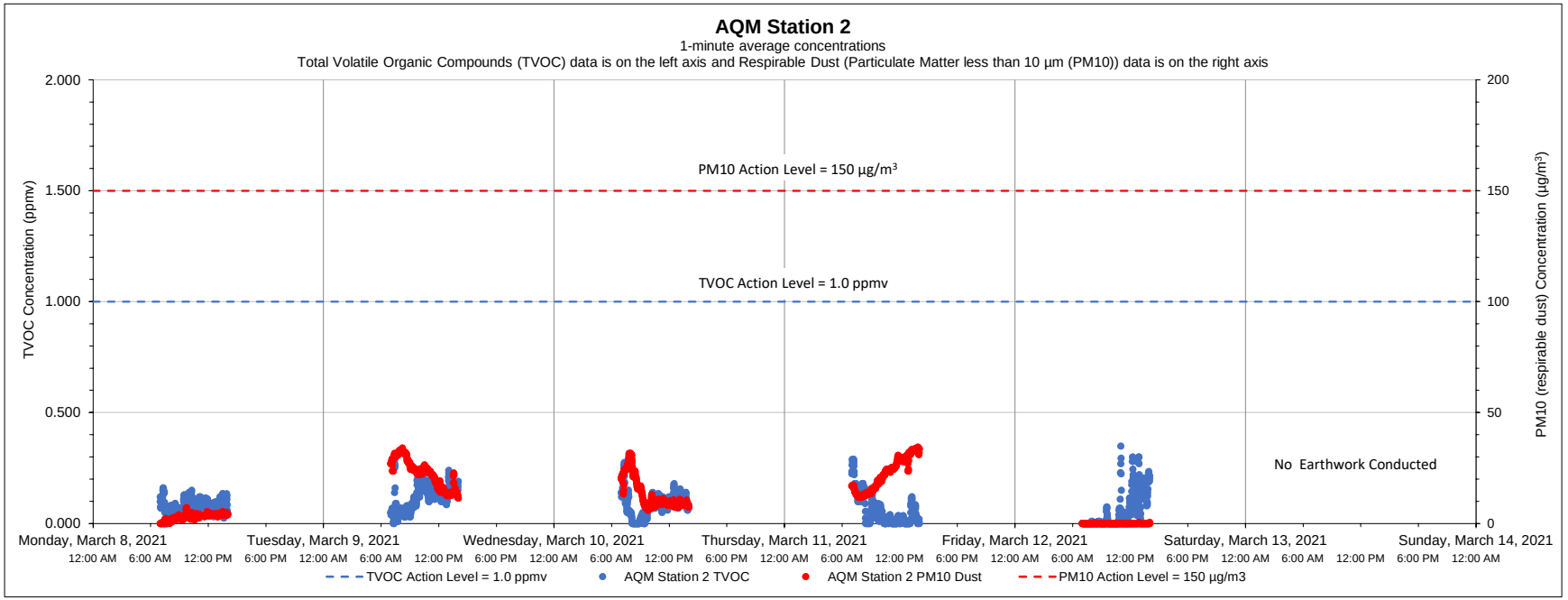

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	0.35	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.19	µg/m^3
PM10 maximum concentration	34.46	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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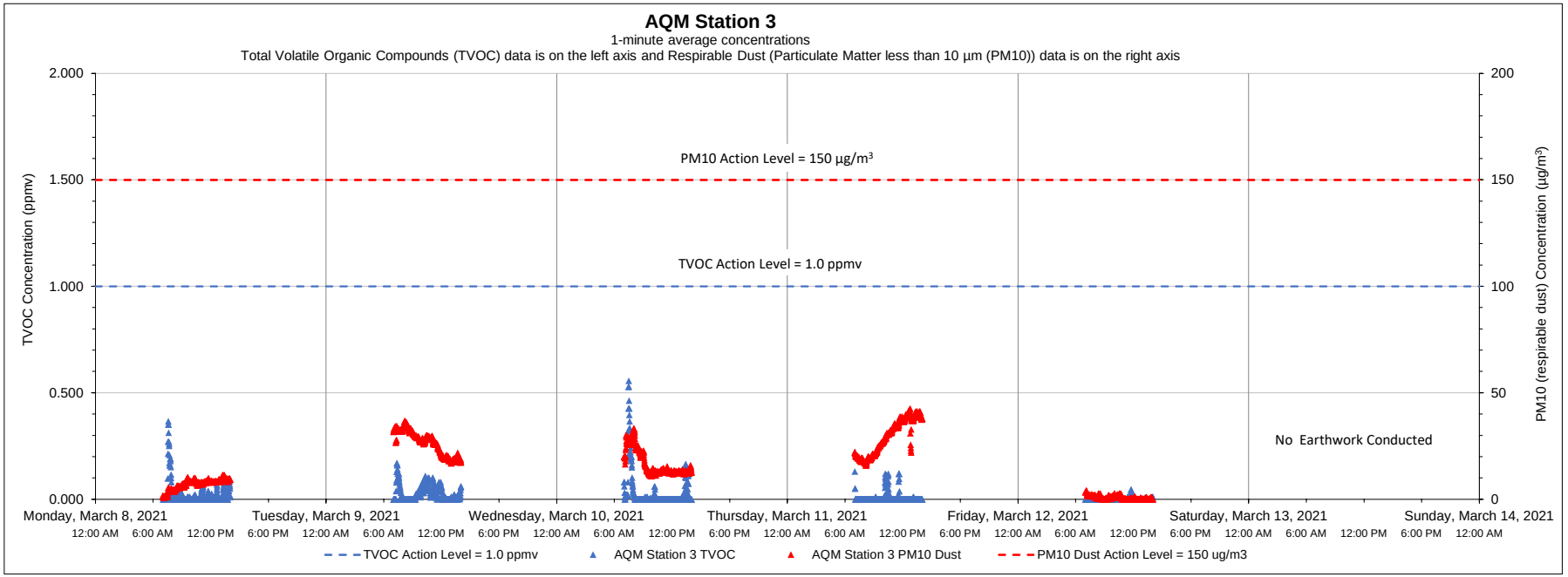

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.56	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.14	µg/m³
PM10 maximum concentration	42.58	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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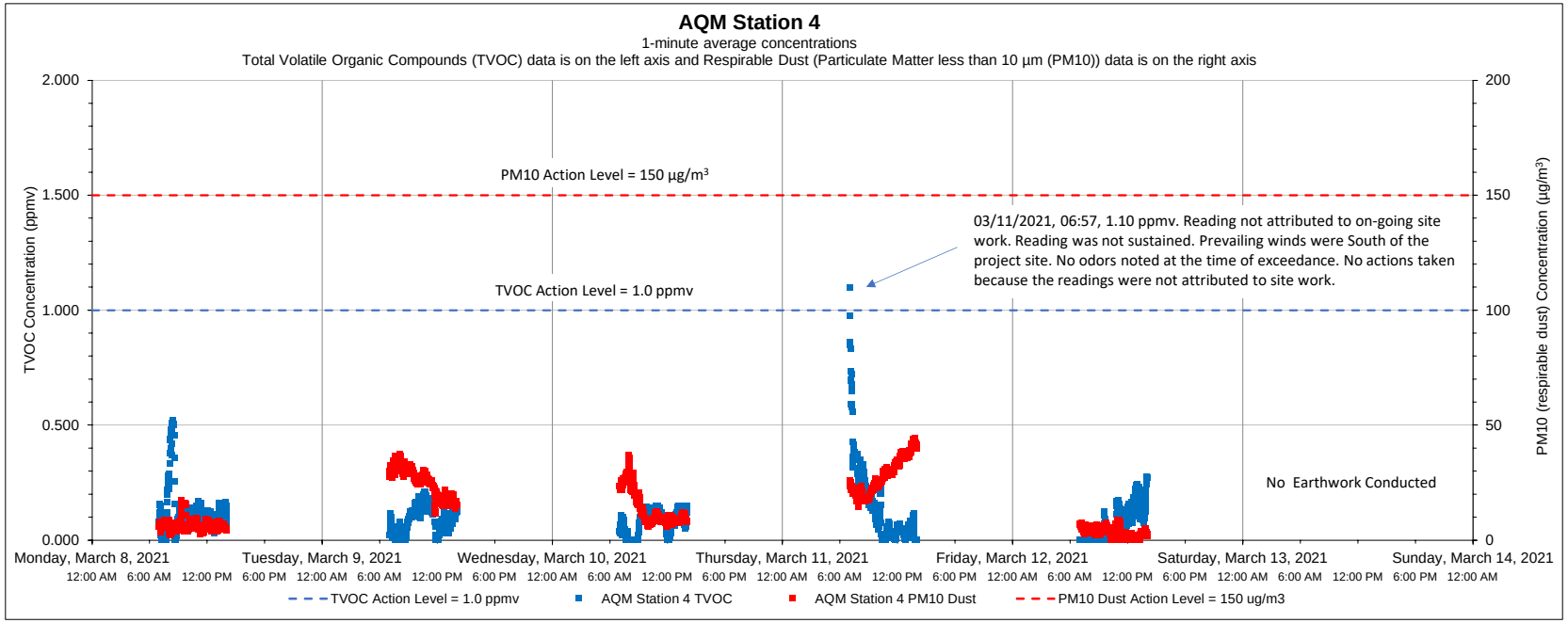

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.10	ppm
TVOCs maximum concentration	1.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.20	µg/m³
PM10 maximum concentration	44.43	µg/m³
PM10 action level	150	µg/m³

Notes:

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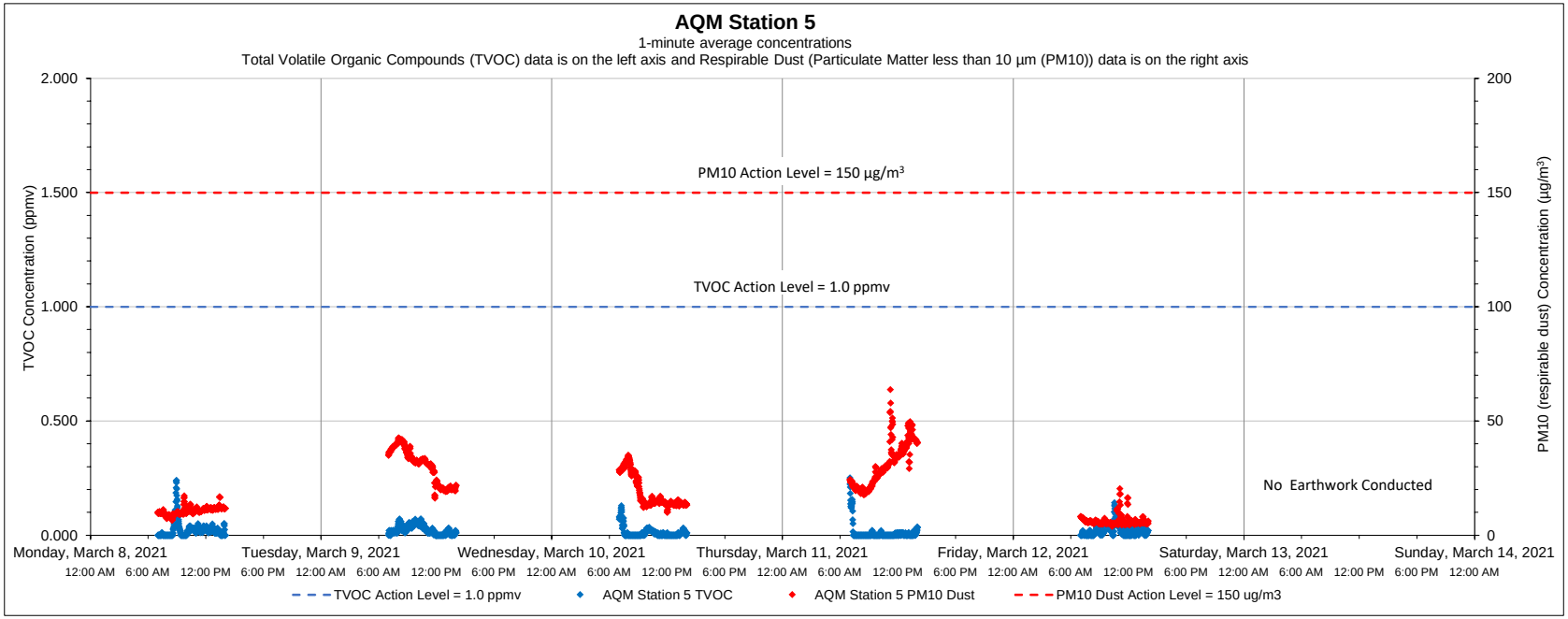

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	19.12	µg/m^3
PM10 maximum concentration	63.77	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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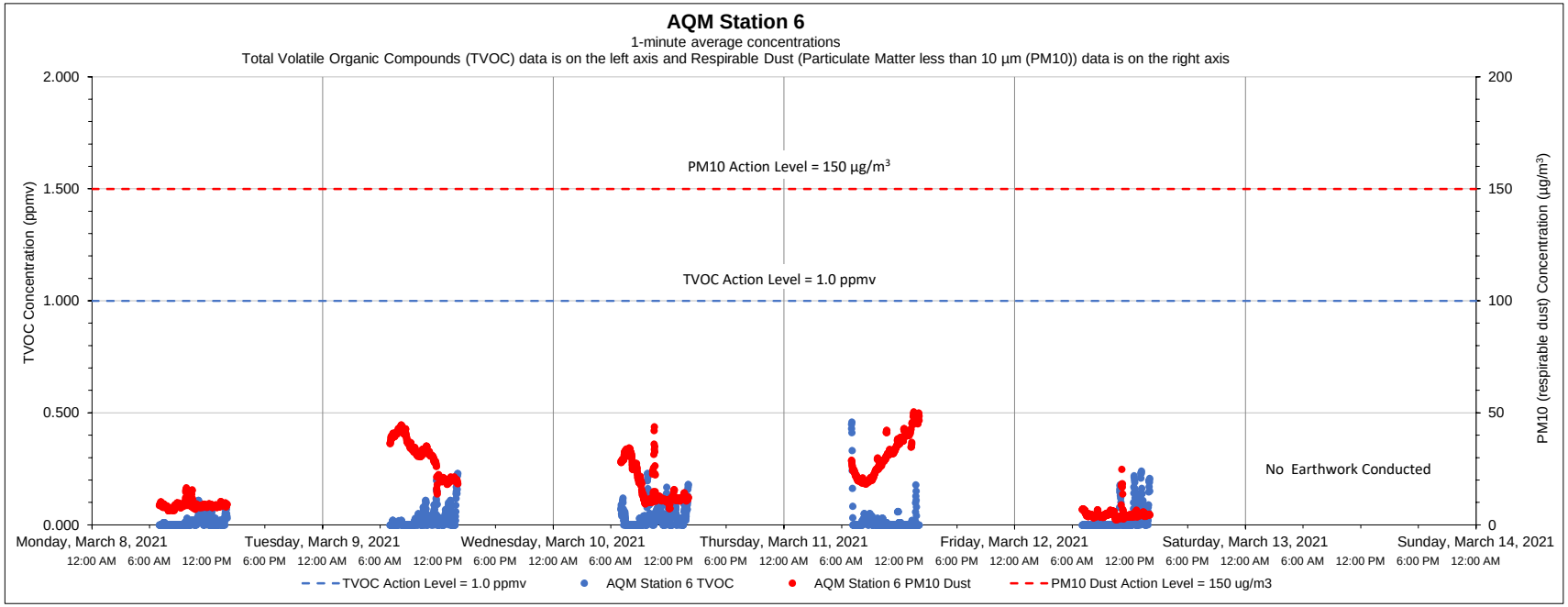

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.46	µg/m³
PM10 maximum concentration	50.51	µg/m³
PM10 action level	150	µg/m³

Notes:

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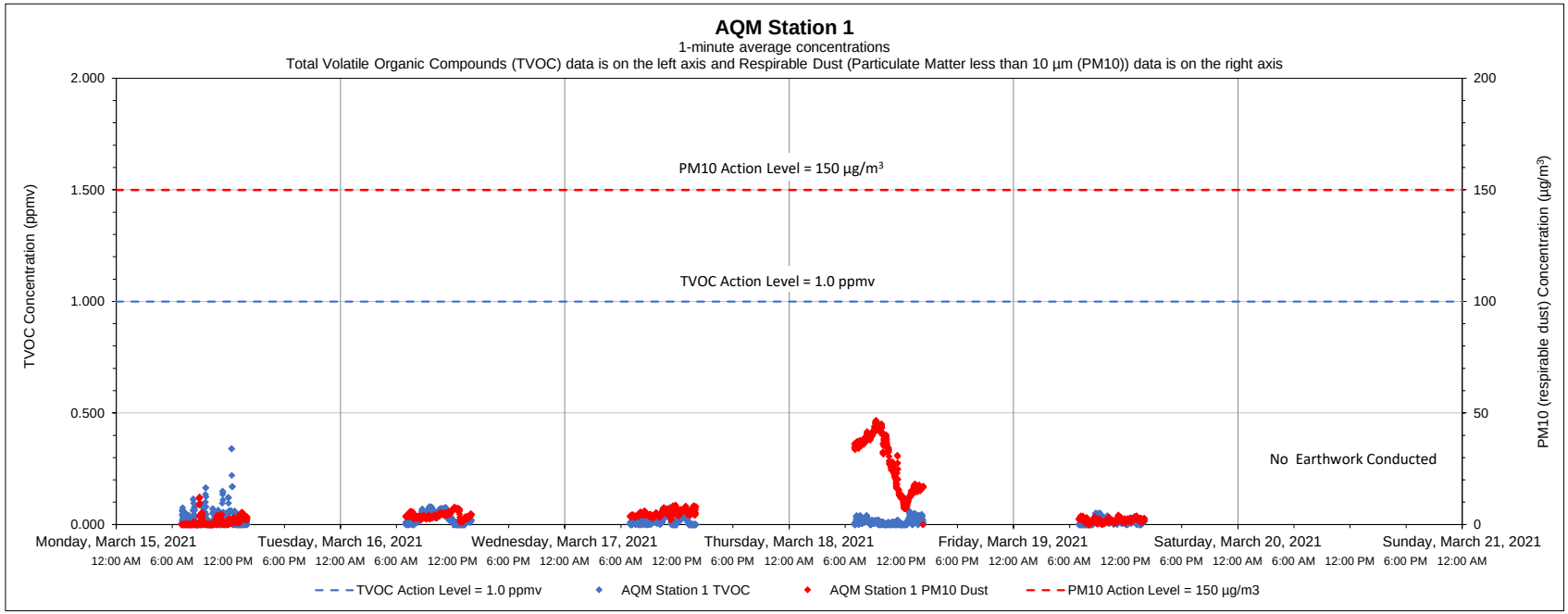

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.34	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.16	µg/m³
PM10 maximum concentration	46.72	µg/m³
PM10 action level	150	µg/m³

Notes:

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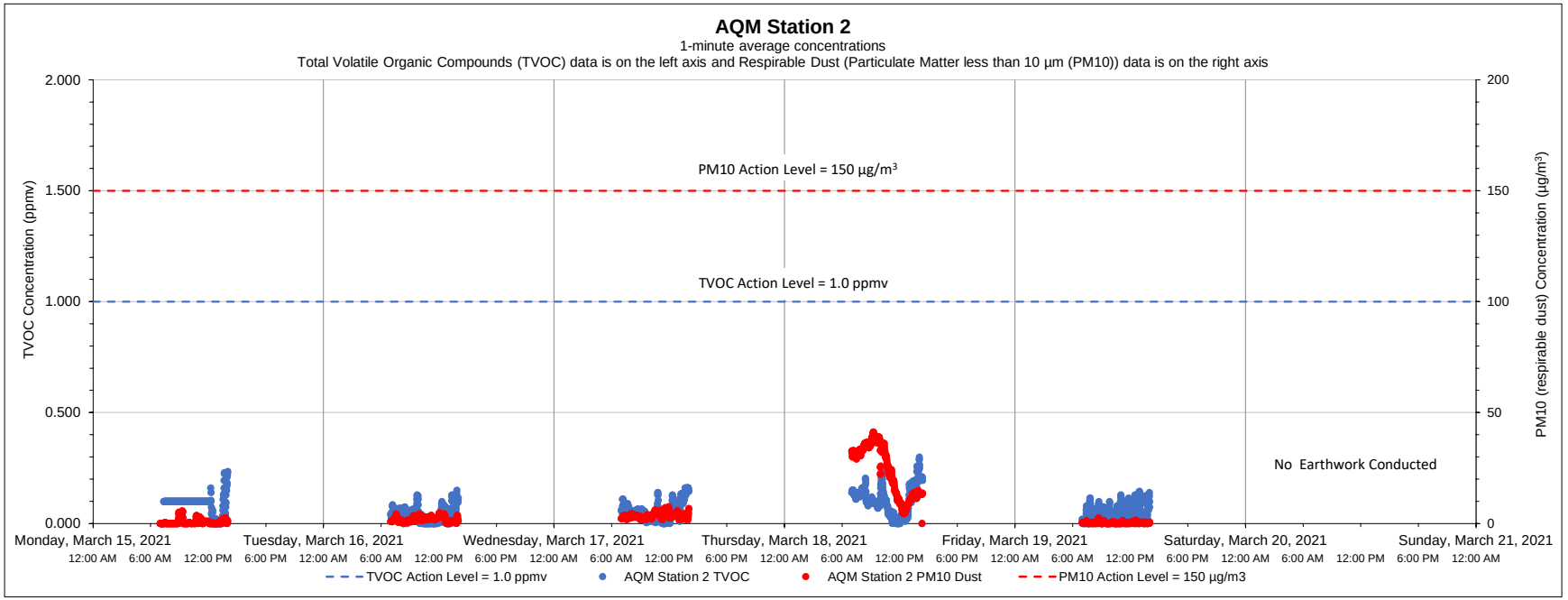

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.13	µg/m^3
PM10 maximum concentration	41.26	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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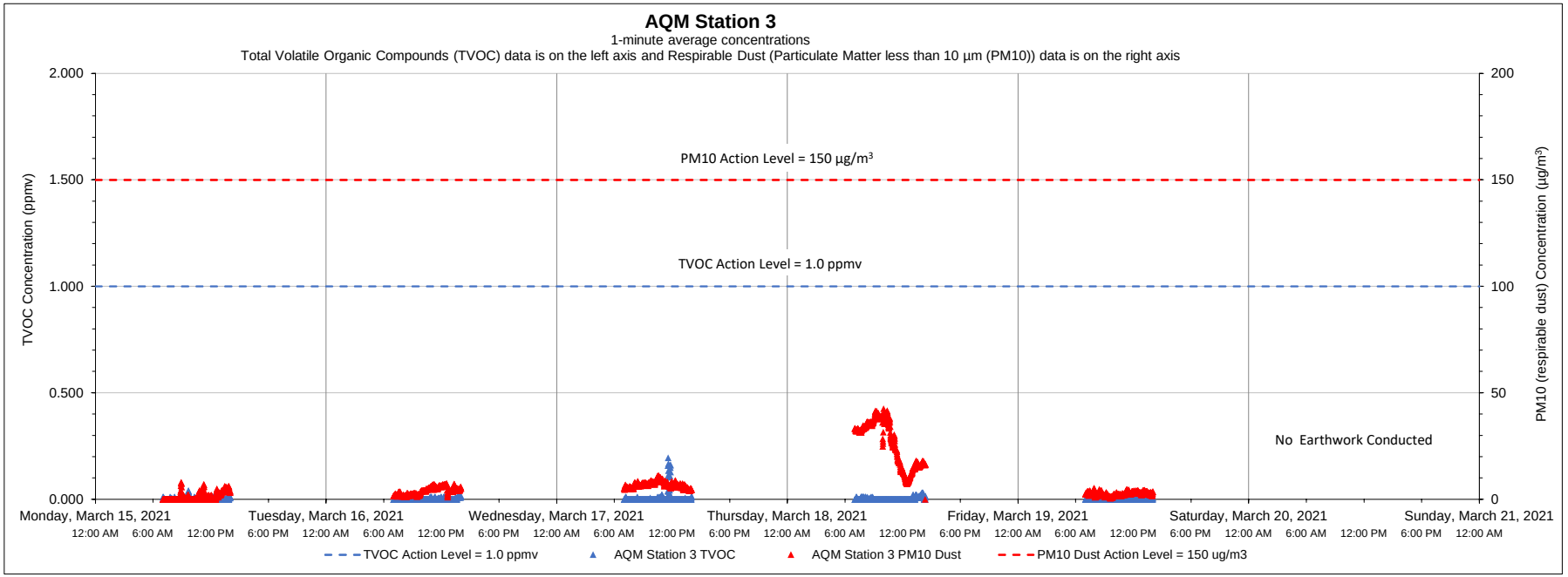

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.38	µg/m³
PM10 maximum concentration	42.54	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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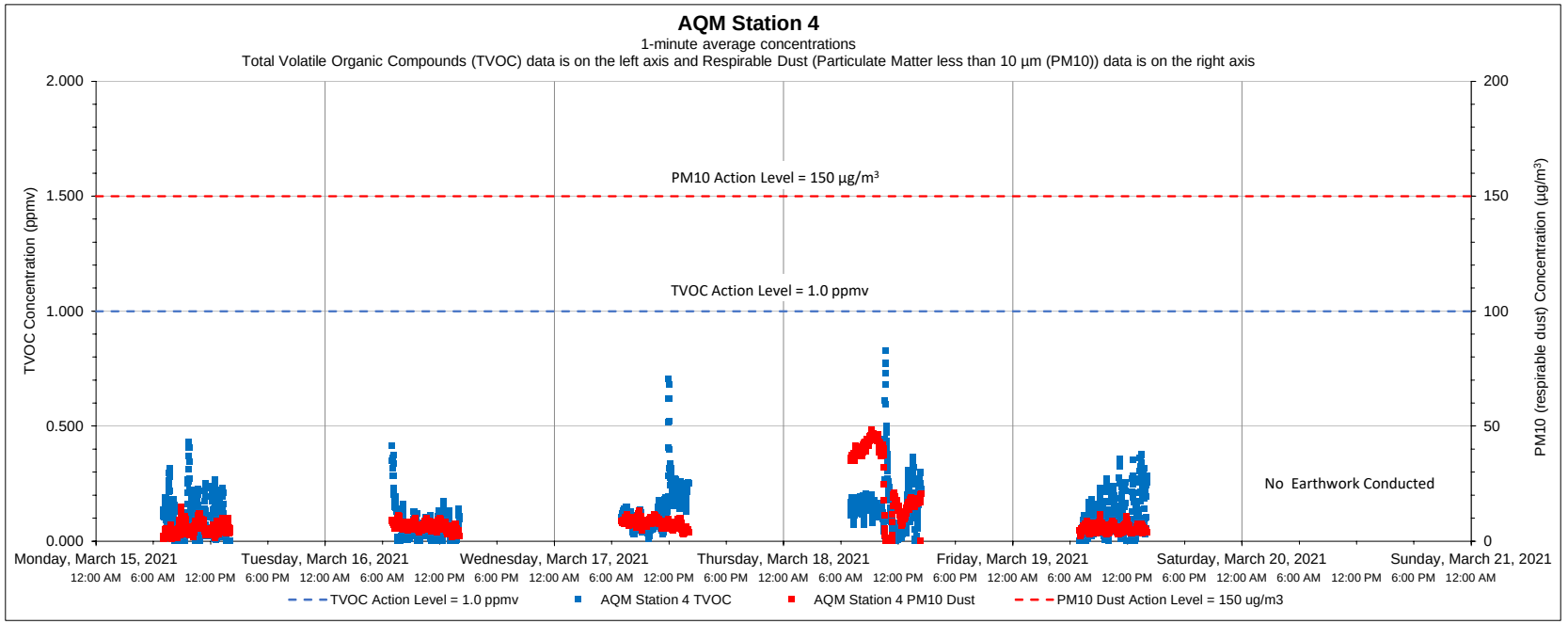

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.11	ppm
TVOCs maximum concentration	0.83	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.21	µg/m^3
PM10 maximum concentration	48.64	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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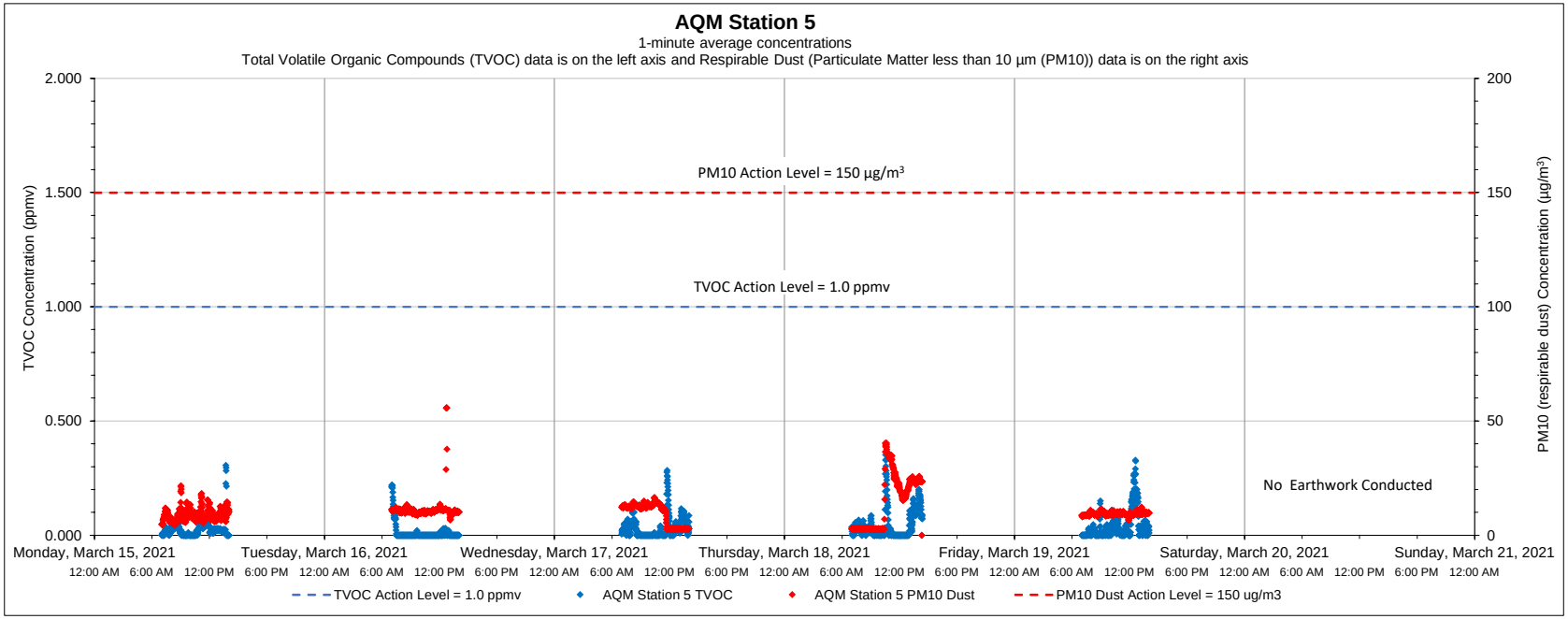

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.35	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.62	µg/m^3
PM10 maximum concentration	55.74	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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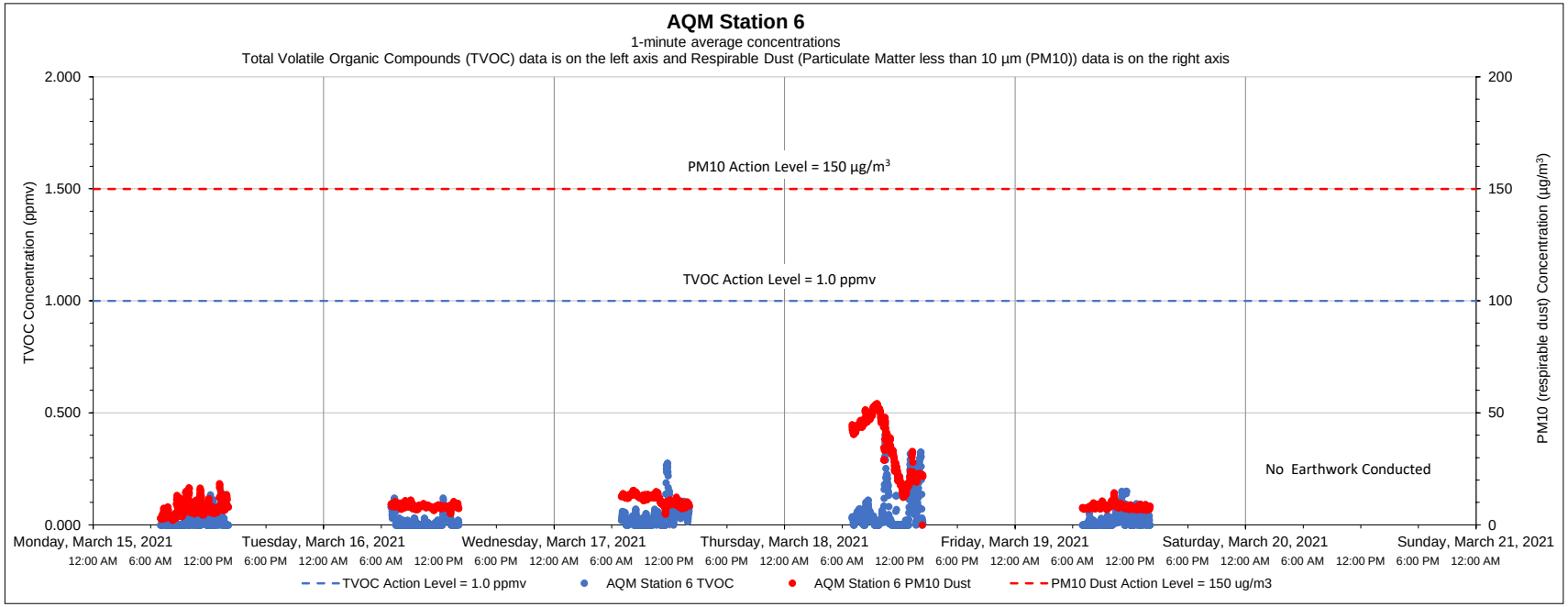
3/22/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.18	µg/m³
PM10 maximum concentration	54.18	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

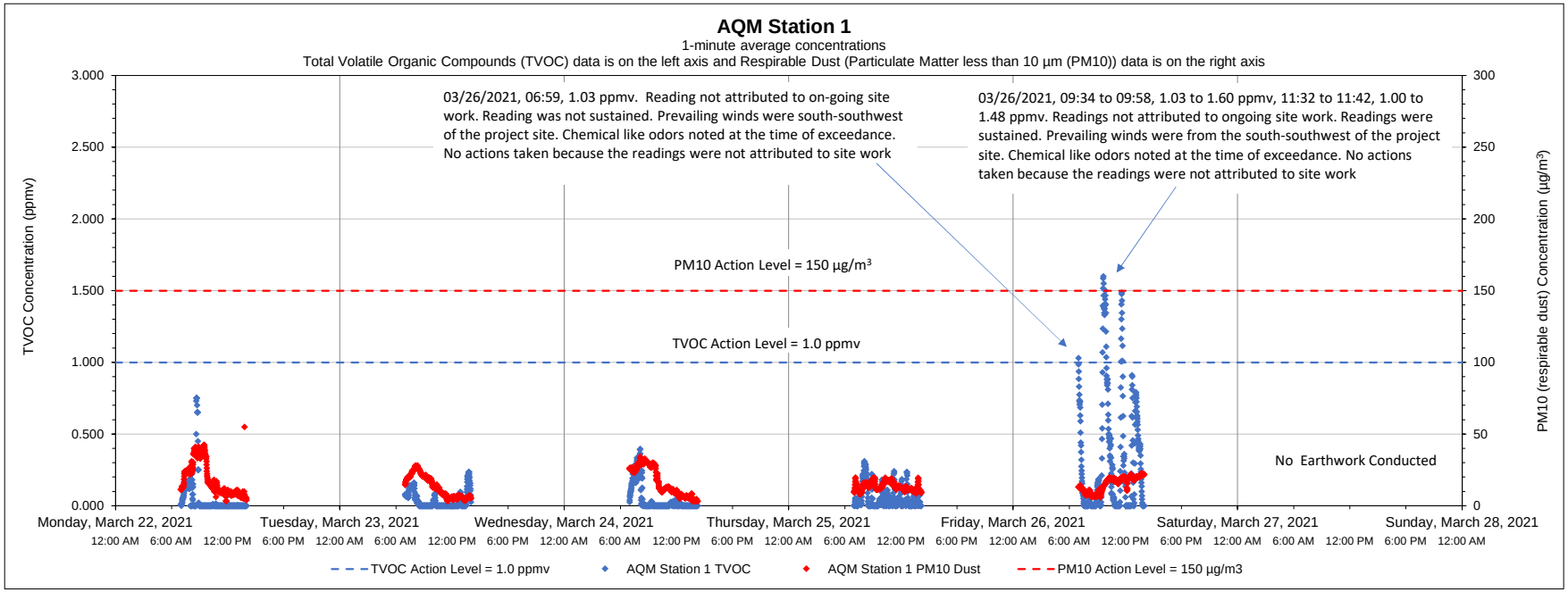
GZA Job No. 03.0033554.04

3/29/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
3/26/2021	09:34 to 09:58	TVOC	1.03 to 1.60 ppmv	No actions taken because the readings were not attributed to site work
3/26/2021	11:32 to 11:42	TVOC	1.00 to 1.48 ppmv	No actions taken because the readings were not attributed to site work

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	1.60	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.20	µg/m^3
PM10 maximum concentration	55.00	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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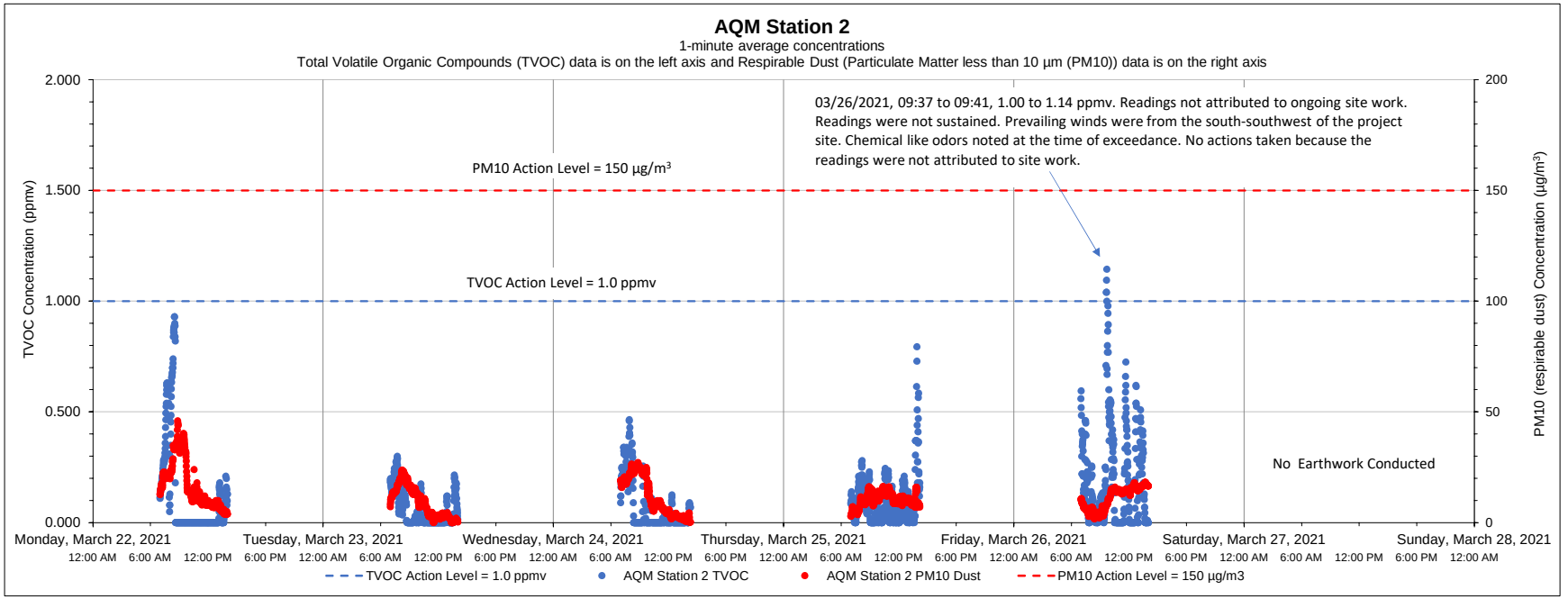

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.10	ppm
TVOCs maximum concentration	1.14	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.77	µg/m^3
PM10 maximum concentration	46.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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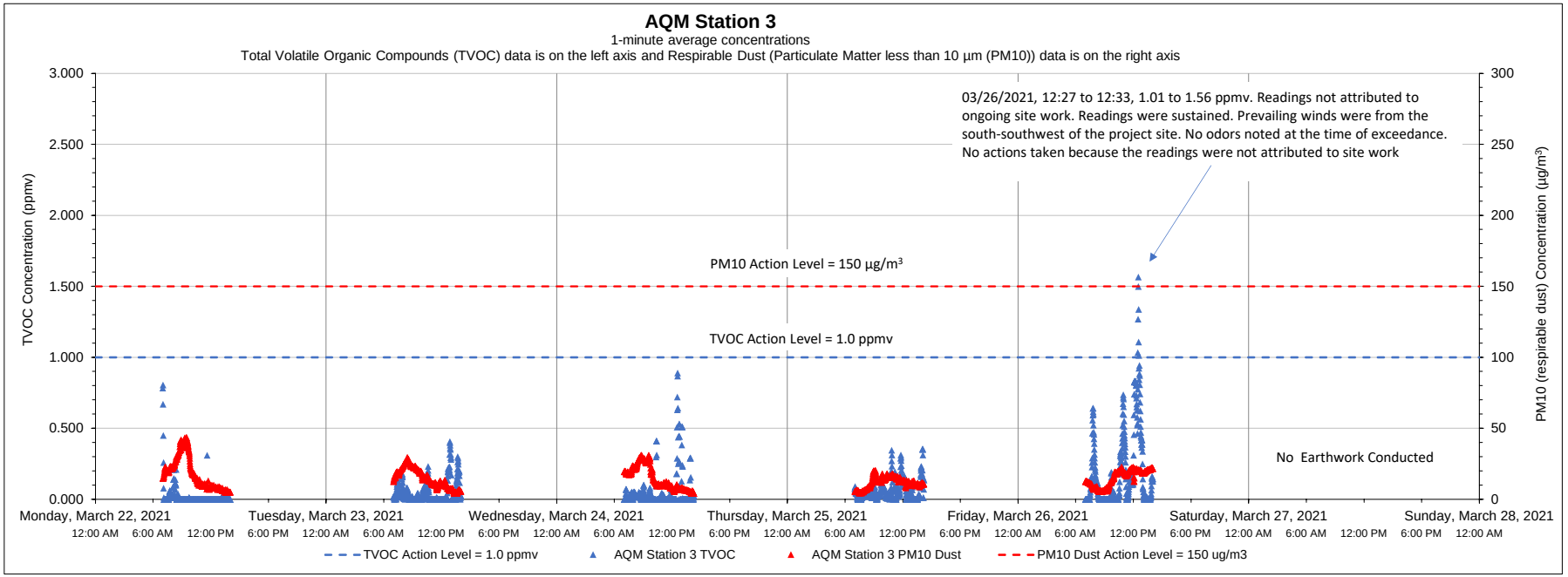

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
3/26/2021	12:27 to 12:33	TVOC	1.01 to 1.56 ppmv	No actions taken because the readings were not attributed to site work

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	1.56	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.87	µg/m³
PM10 maximum concentration	43.48	µg/m³
PM10 action level	150	µg/m³

Equipment Notes
None

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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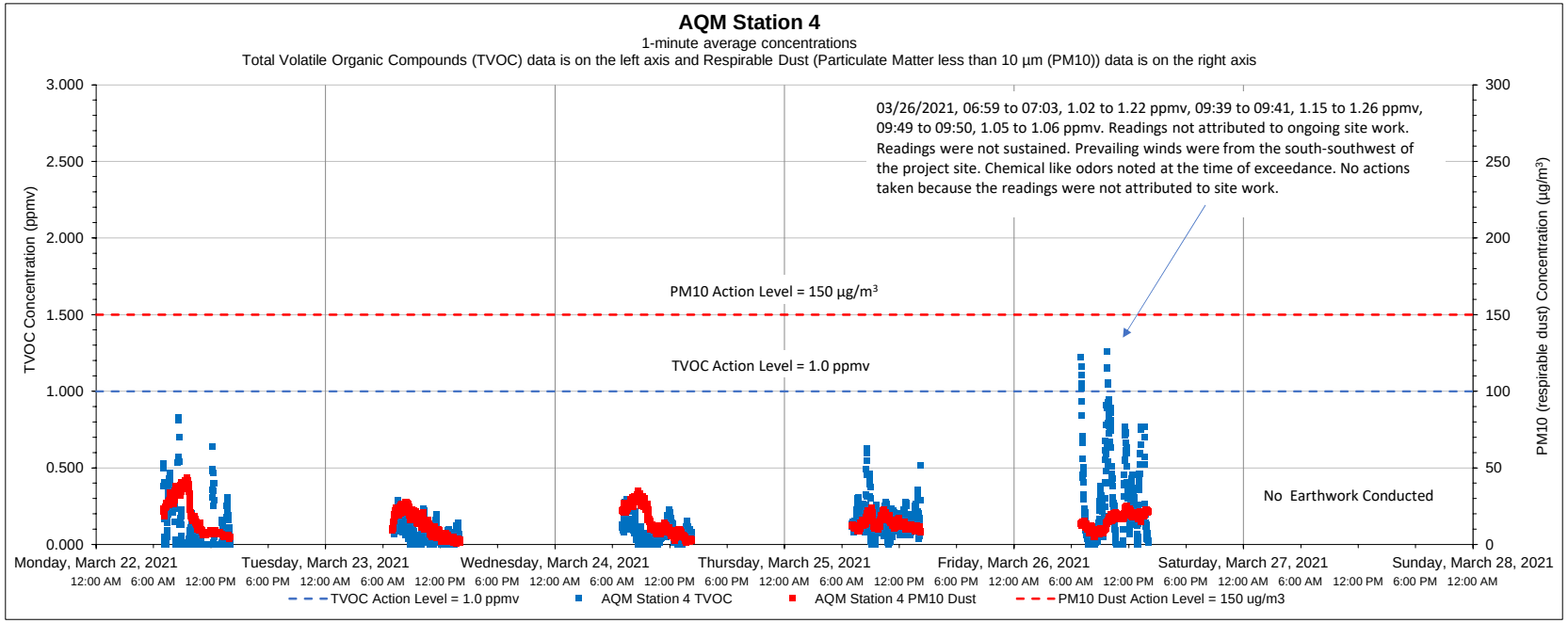

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.14	ppm
TVOCs maximum concentration	1.26	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.12	µg/m³
PM10 maximum concentration	43.53	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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Liquefaction Facility Project -

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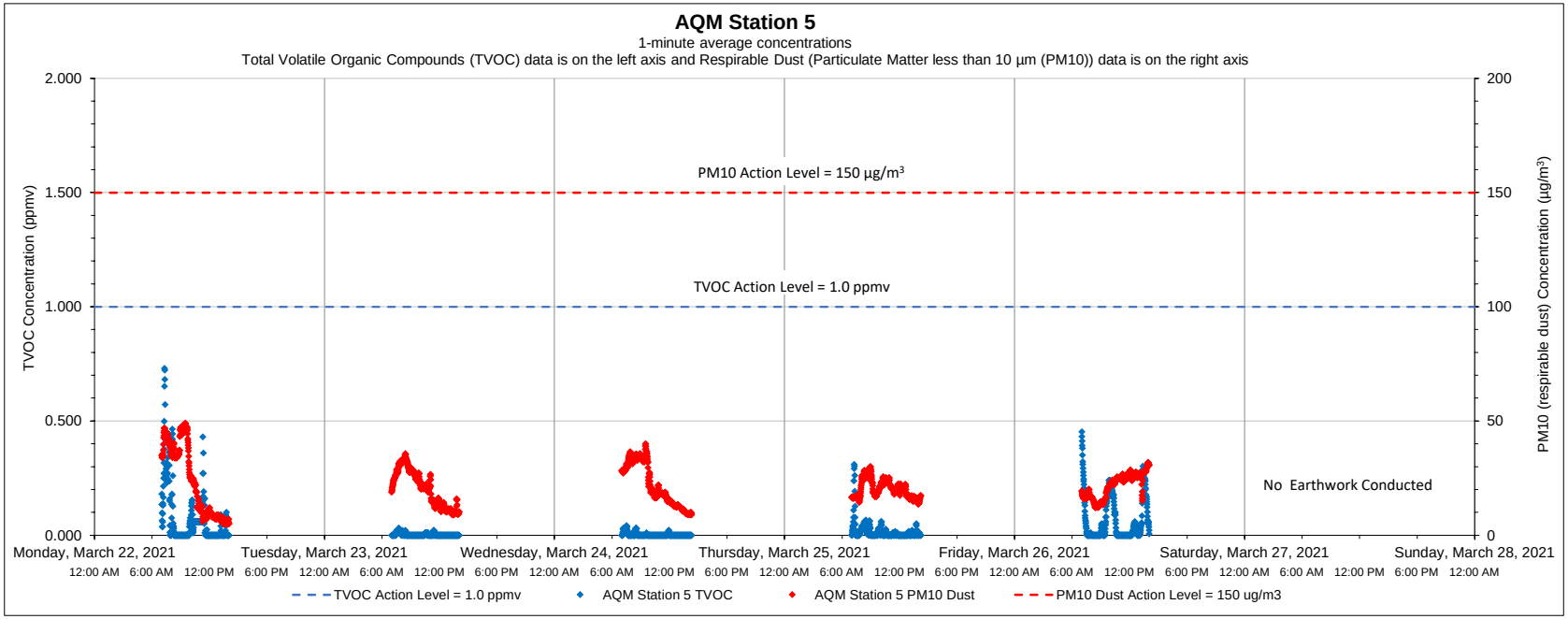

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.73	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.42	µg/m^3
PM10 maximum concentration	49.04	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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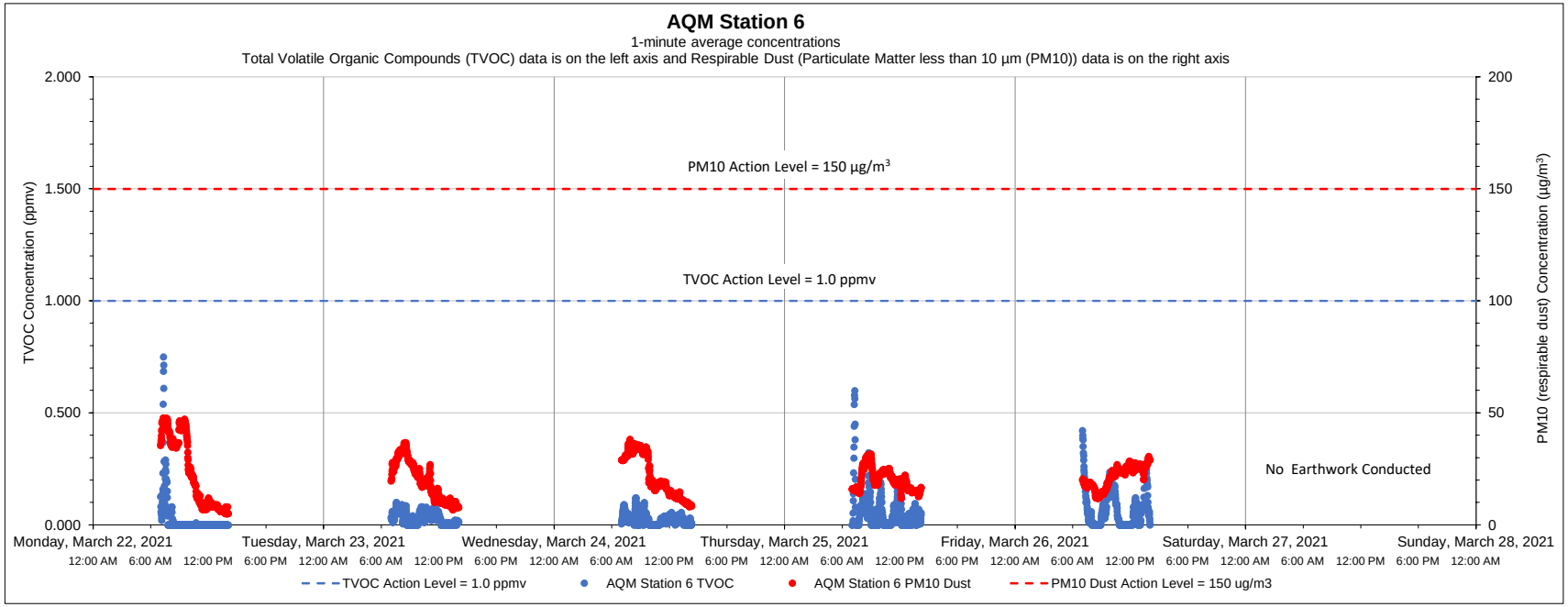

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.75	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.24	µg/m³
PM10 maximum concentration	47.80	µg/m³
PM10 action level	150	µg/m³

Notes:

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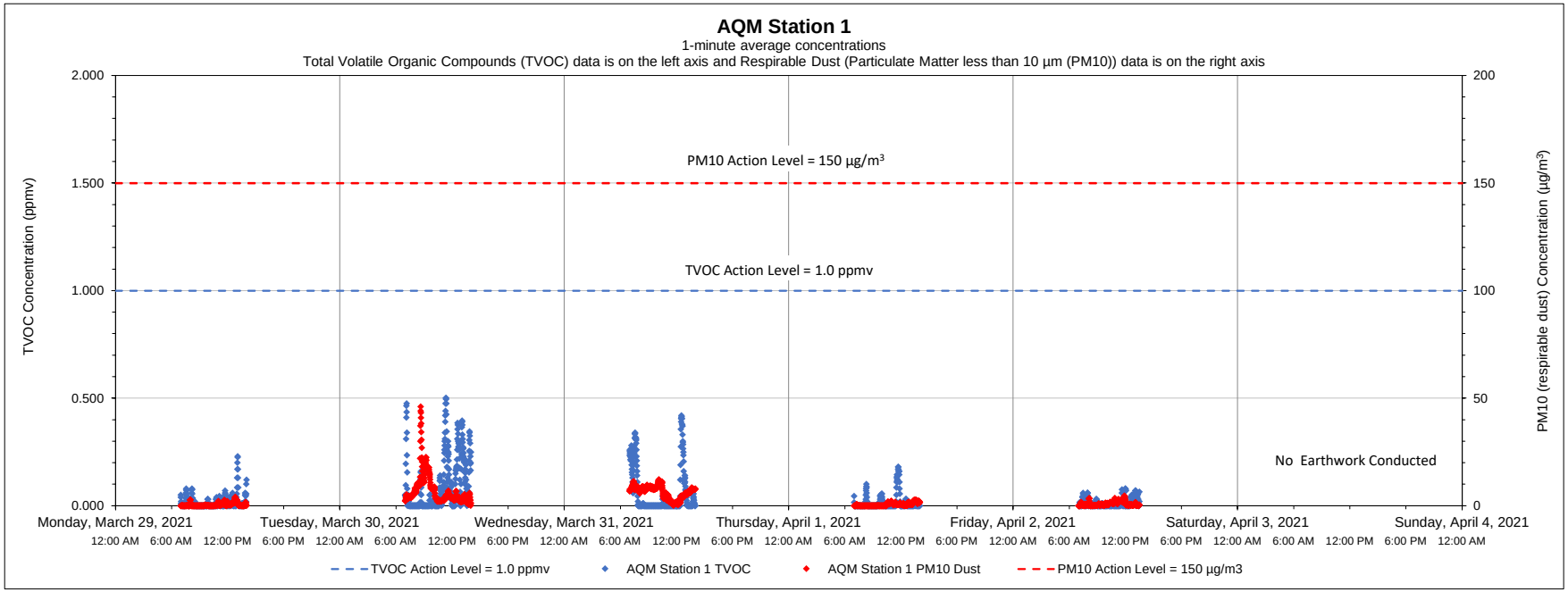
Liquefaction Facility Project -

4/05/2021

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.50	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.99	µg/m^3
PM10 maximum concentration	46.10	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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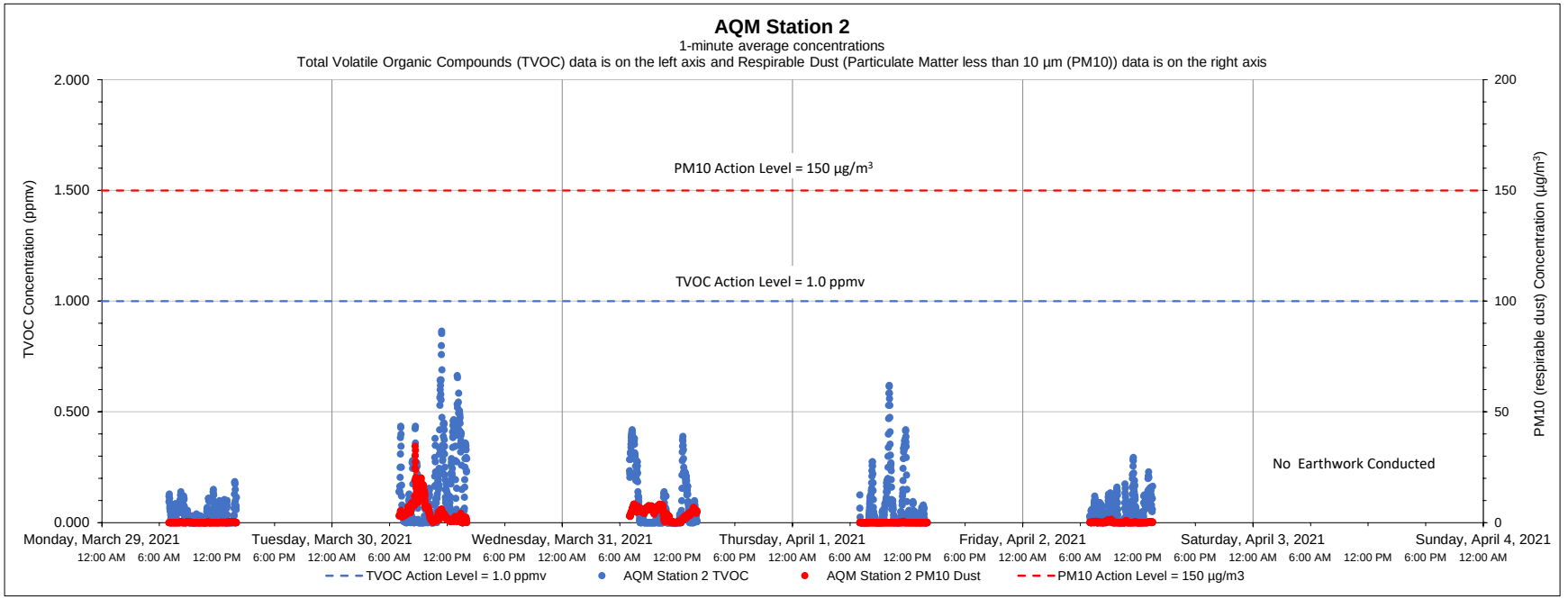

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	0.86	ppm
TVOCs action level	1	ppm
PM10 average concentration	1.93	µg/m^3
PM10 maximum concentration	34.59	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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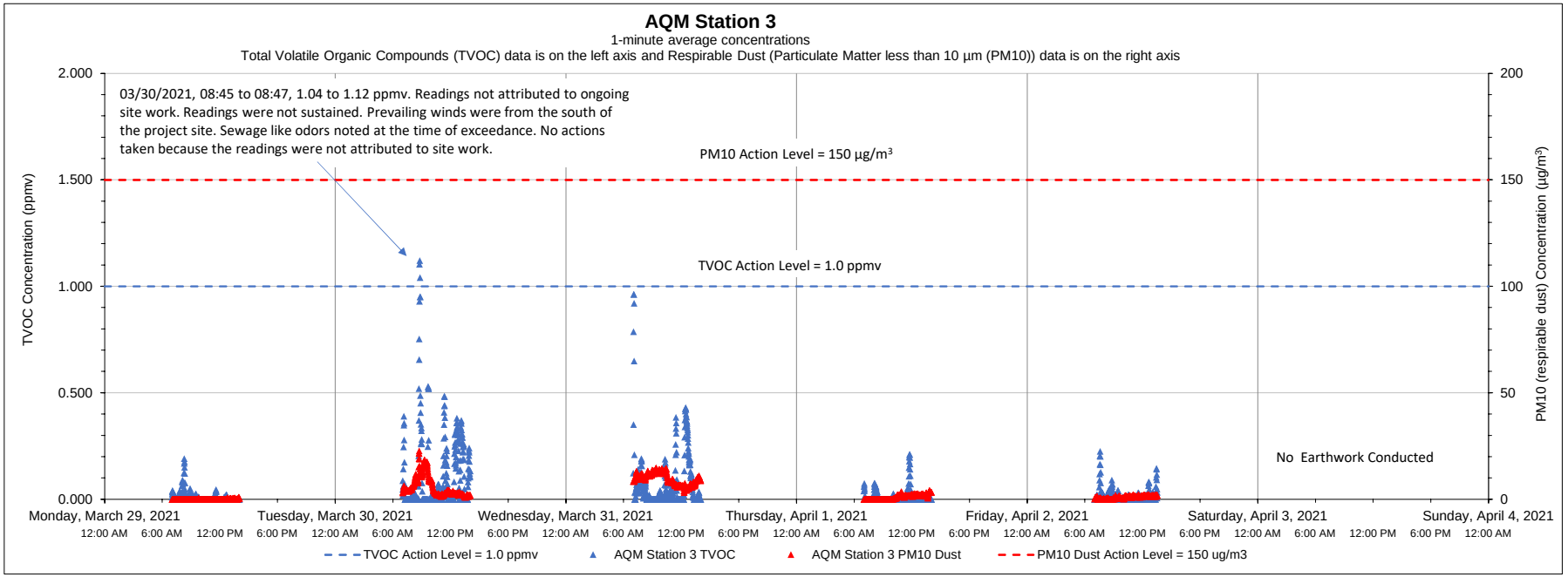

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.12	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.48	µg/m^3
PM10 maximum concentration	22.72	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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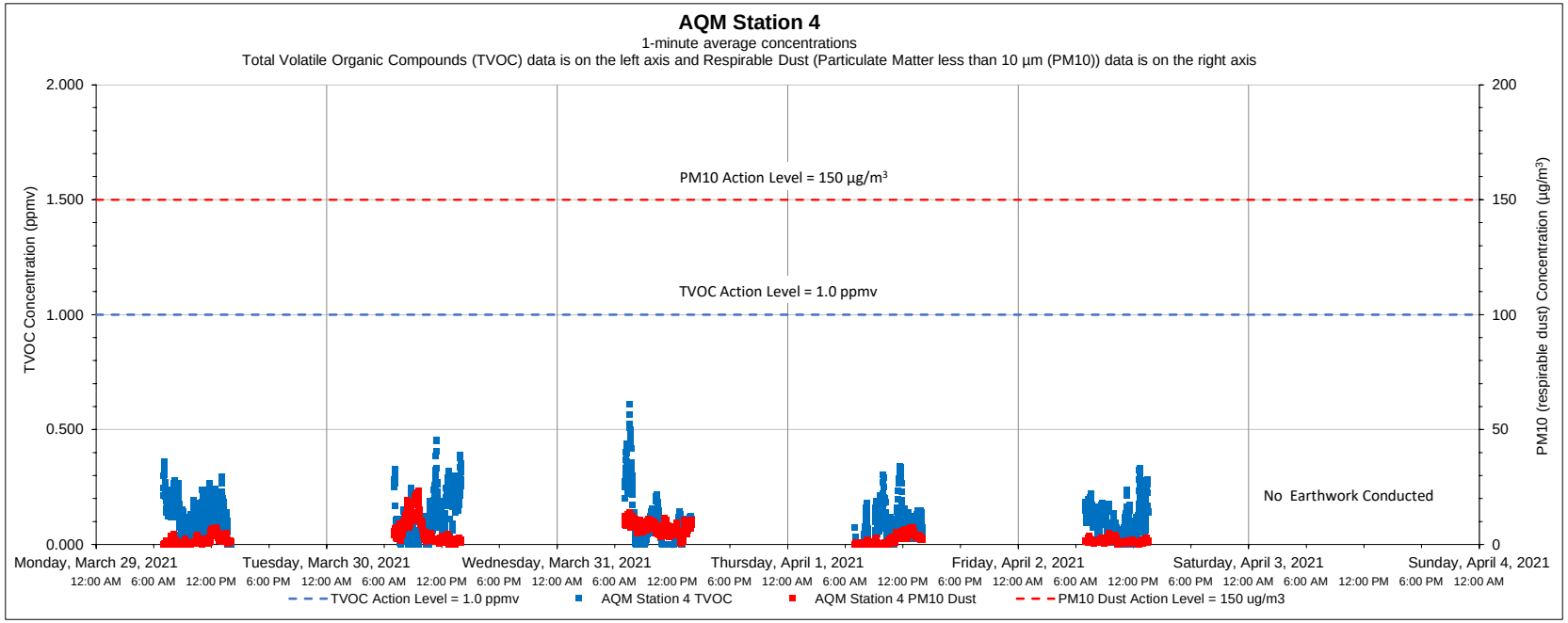

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.10	ppm
TVOCs maximum concentration	0.61	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.75	µg/m³
PM10 maximum concentration	23.33	µg/m³
PM10 action level	150	µg/m³

Notes:

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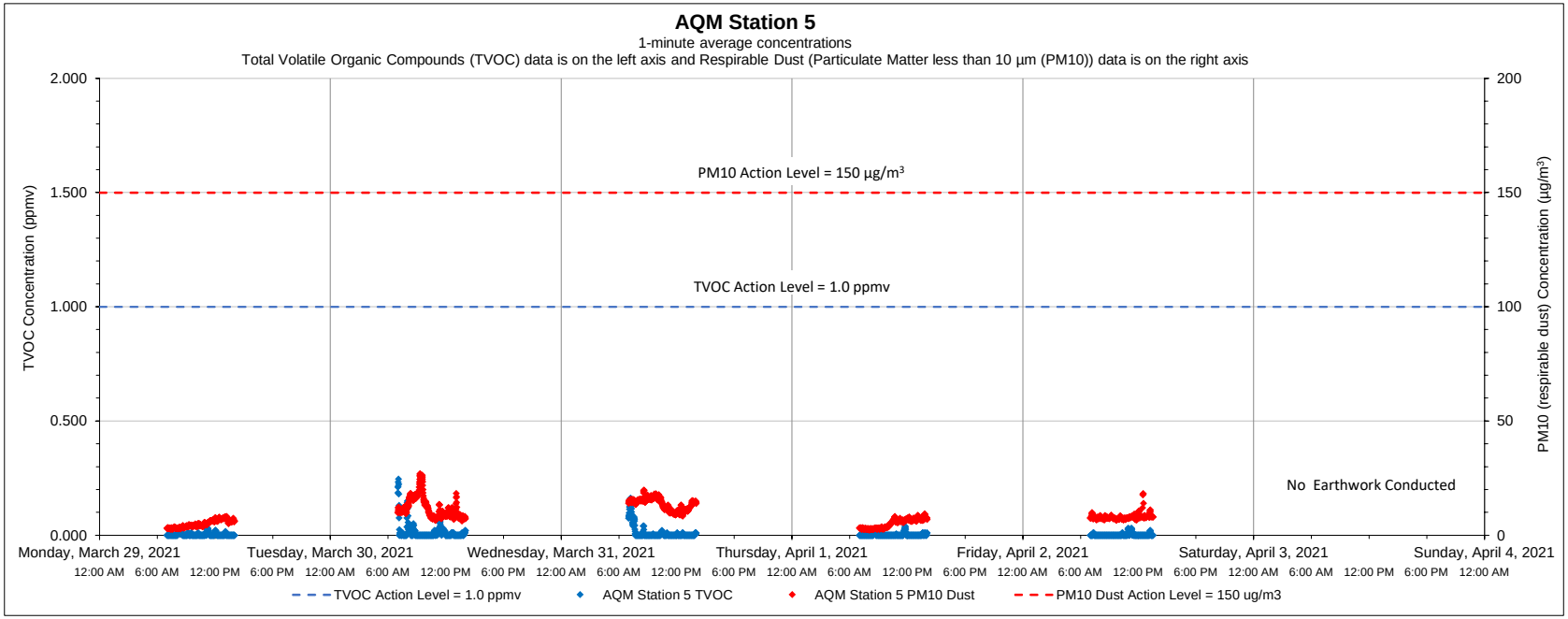

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.62	µg/m^3
PM10 maximum concentration	26.86	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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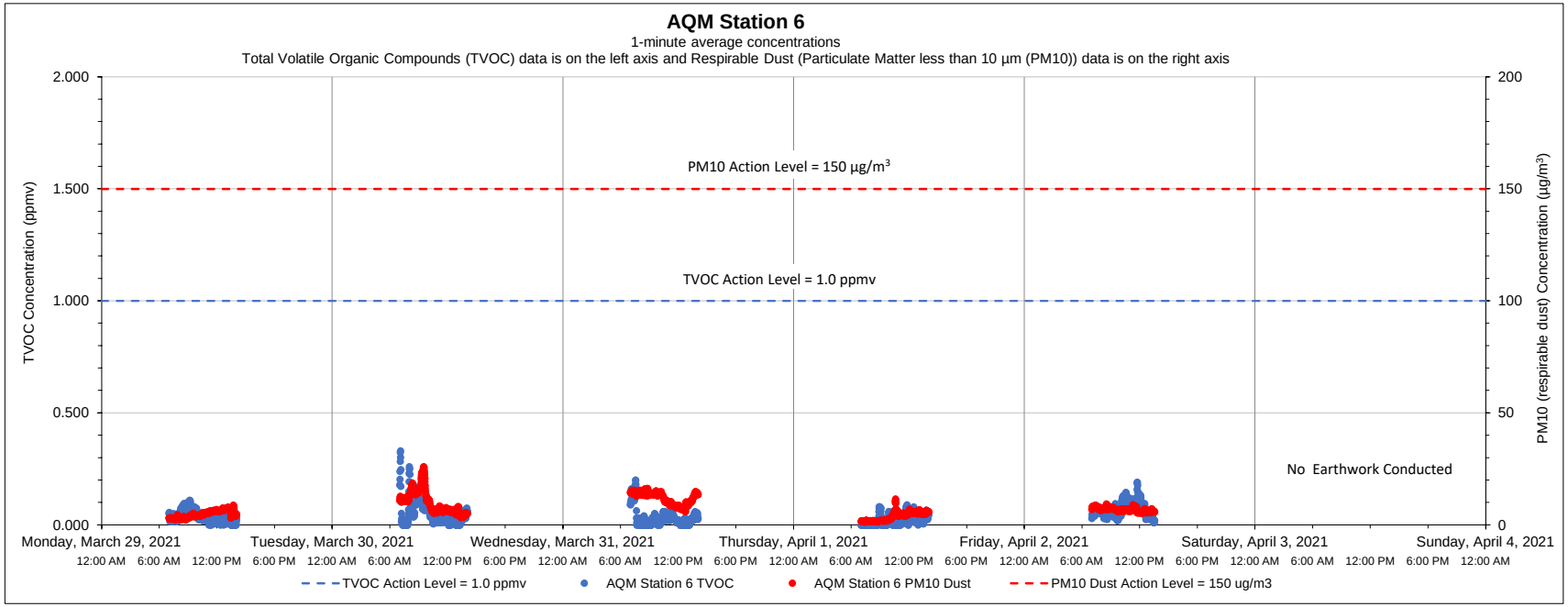

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.33	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.41	µg/m³
PM10 maximum concentration	25.97	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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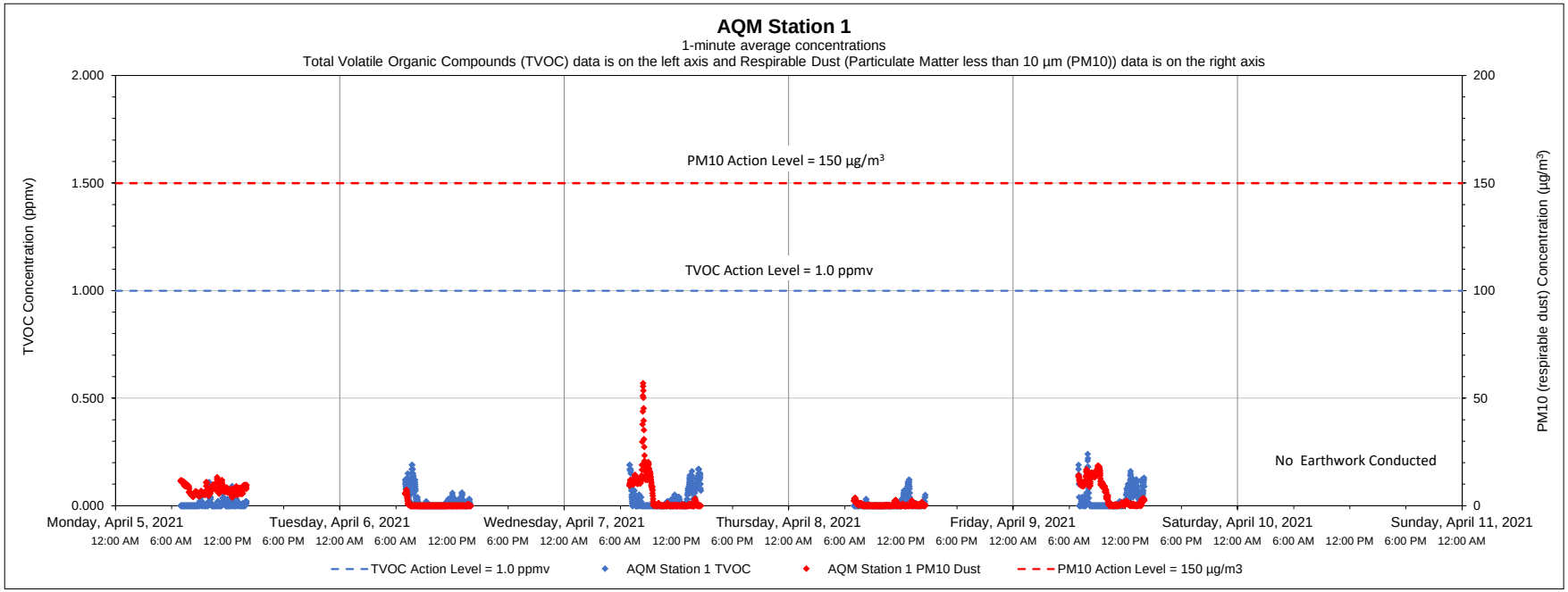

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.69	µg/m^3
PM10 maximum concentration	56.98	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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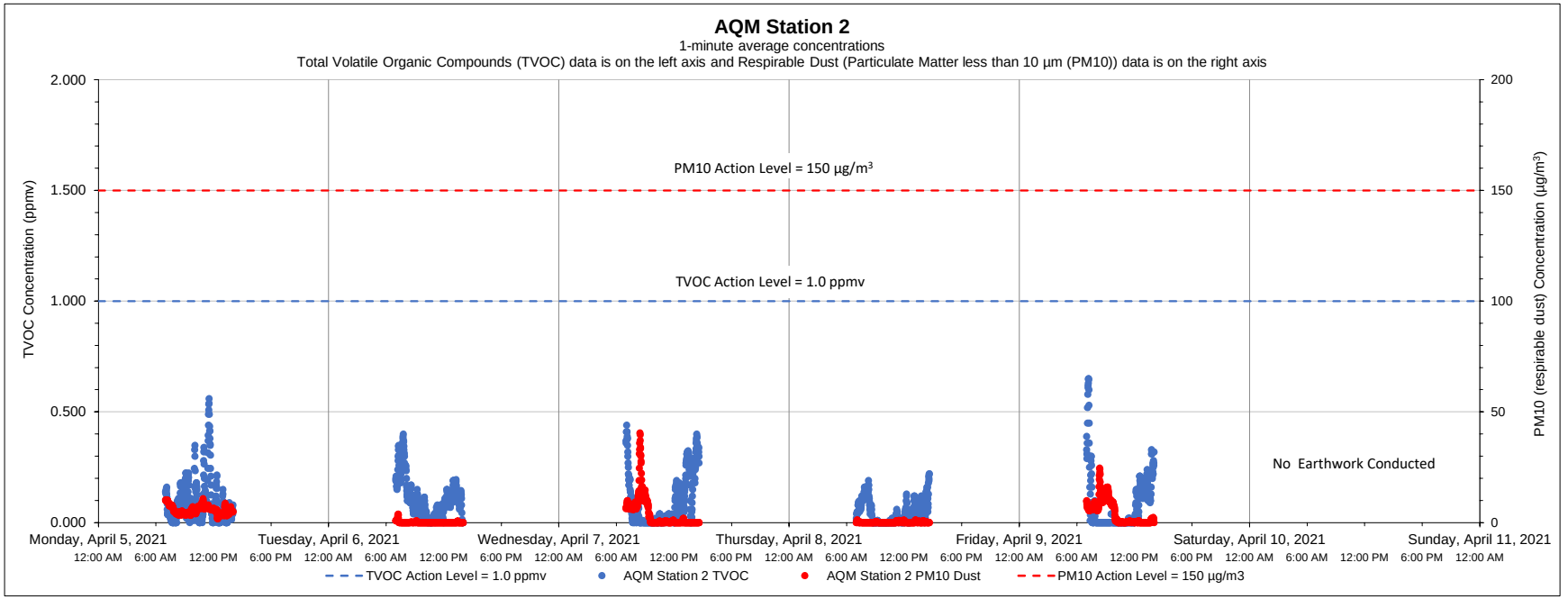

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	0.65	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.73	µg/m^3
PM10 maximum concentration	40.47	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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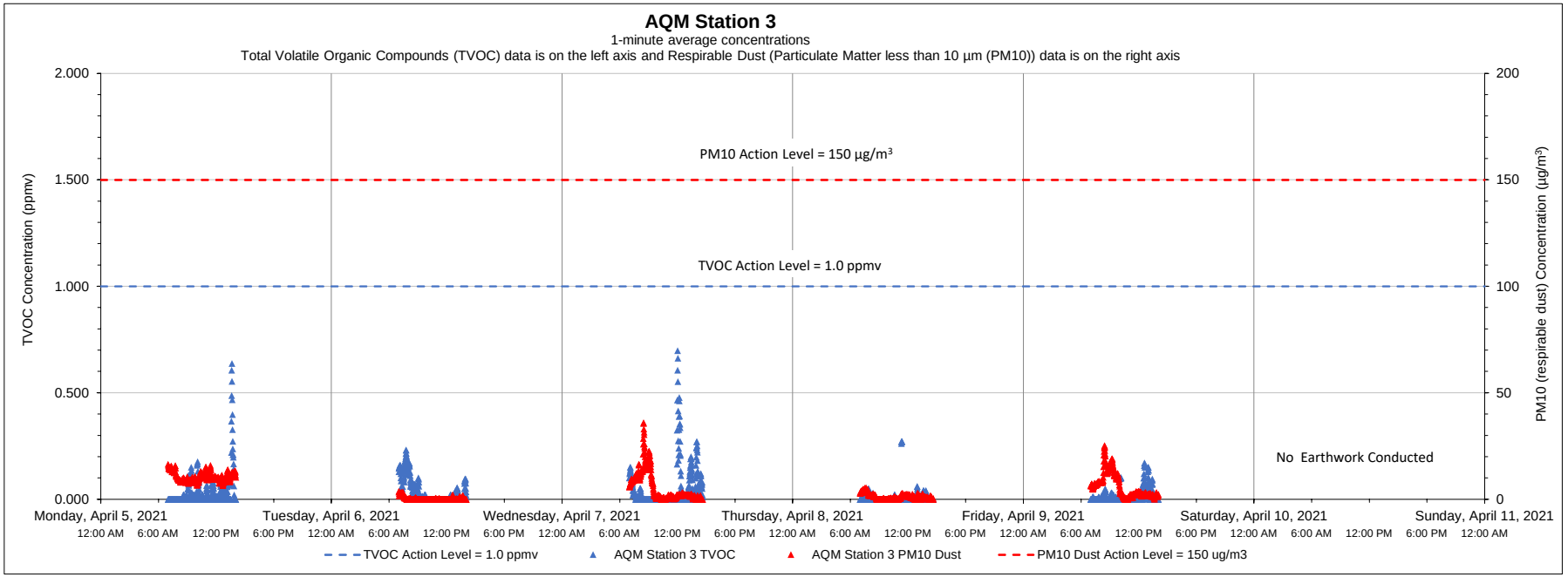

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.61	µg/m^3
PM10 maximum concentration	36.02	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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4/12/2021

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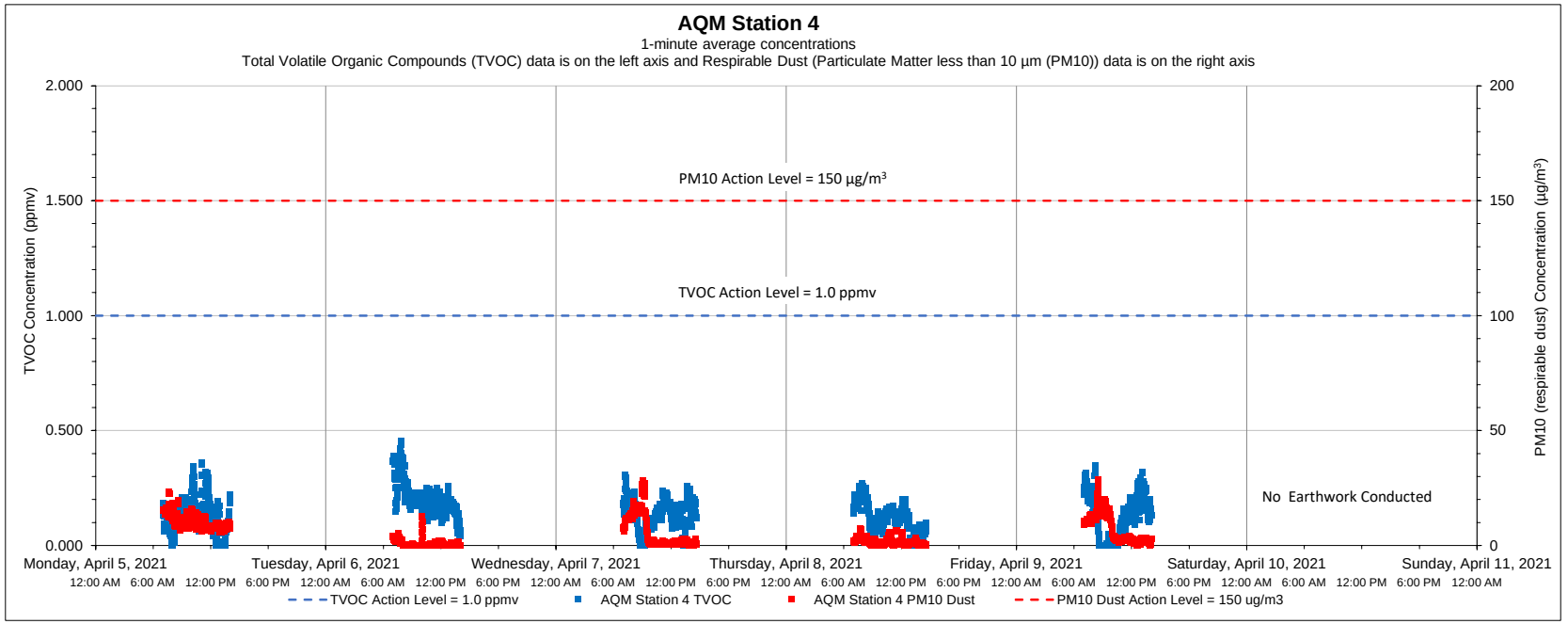


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.14	ppm
TVOCs maximum concentration	0.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.00	µg/m³
PM10 maximum concentration	28.68	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

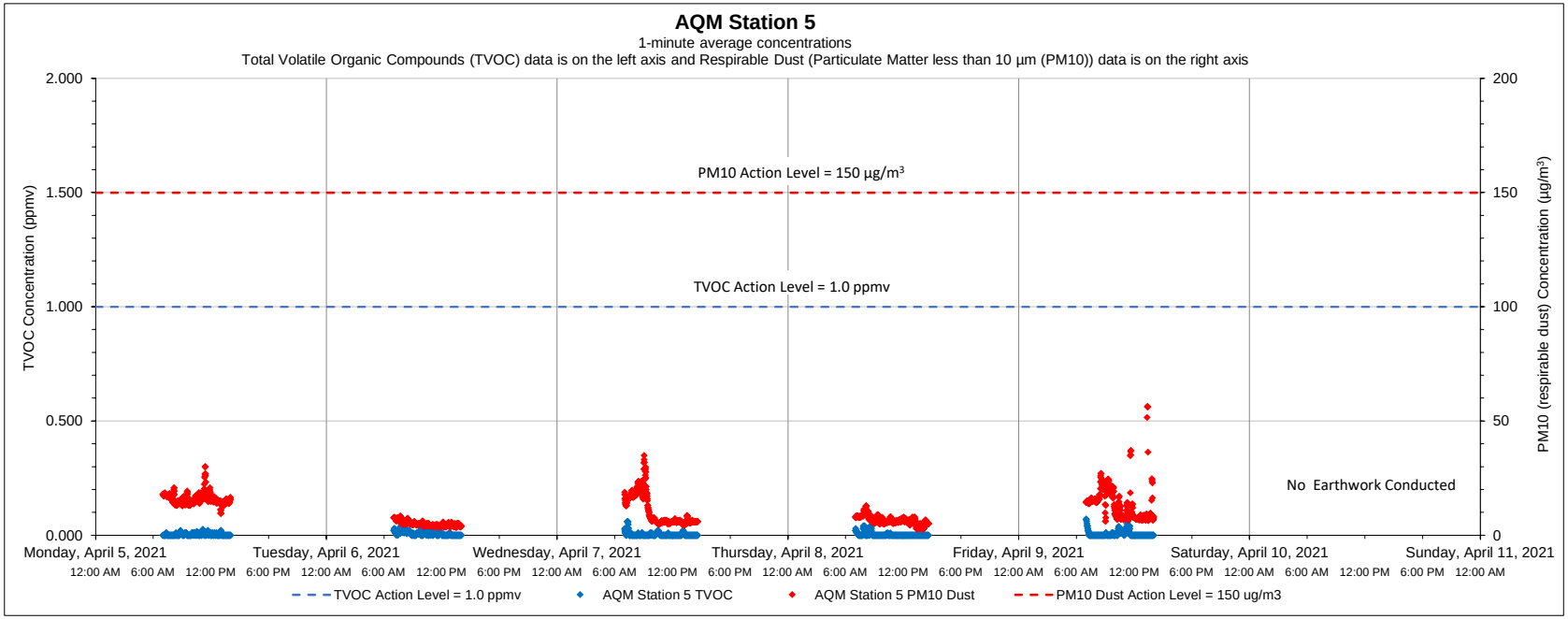
GZA Job No. 03.0033554.04

Liquefaction Facility Project -

4/12/2021

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.07	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.07	µg/m^3
PM10 maximum concentration	56.39	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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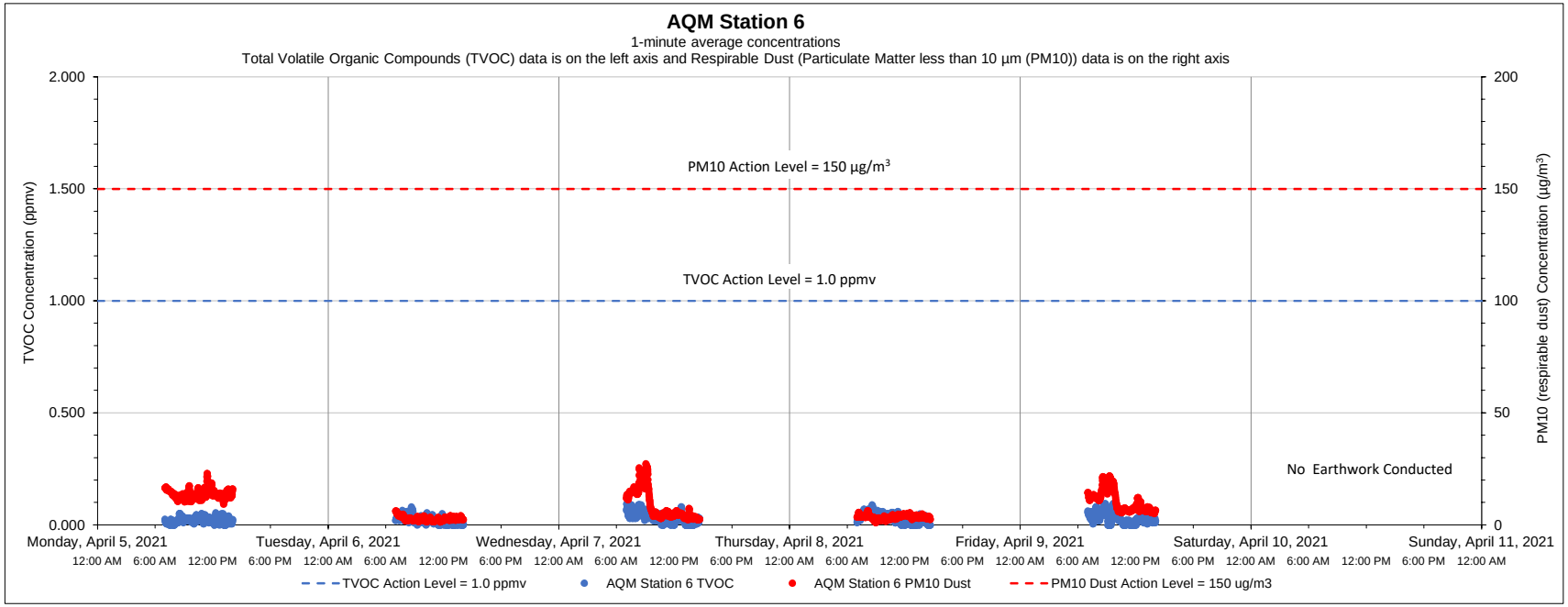

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.69	µg/m³
PM10 maximum concentration	27.37	µg/m³
PM10 action level	150	µg/m³

Notes:

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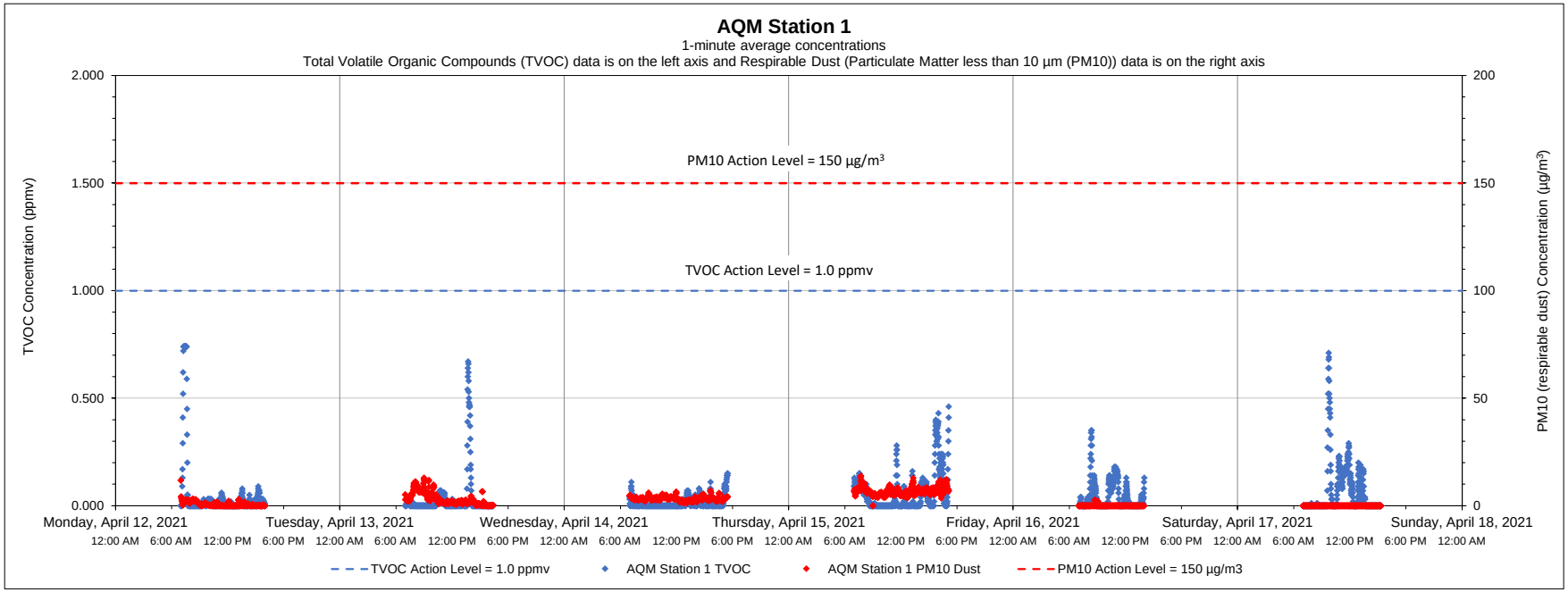

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.74	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.53	µg/m^3
PM10 maximum concentration	13.92	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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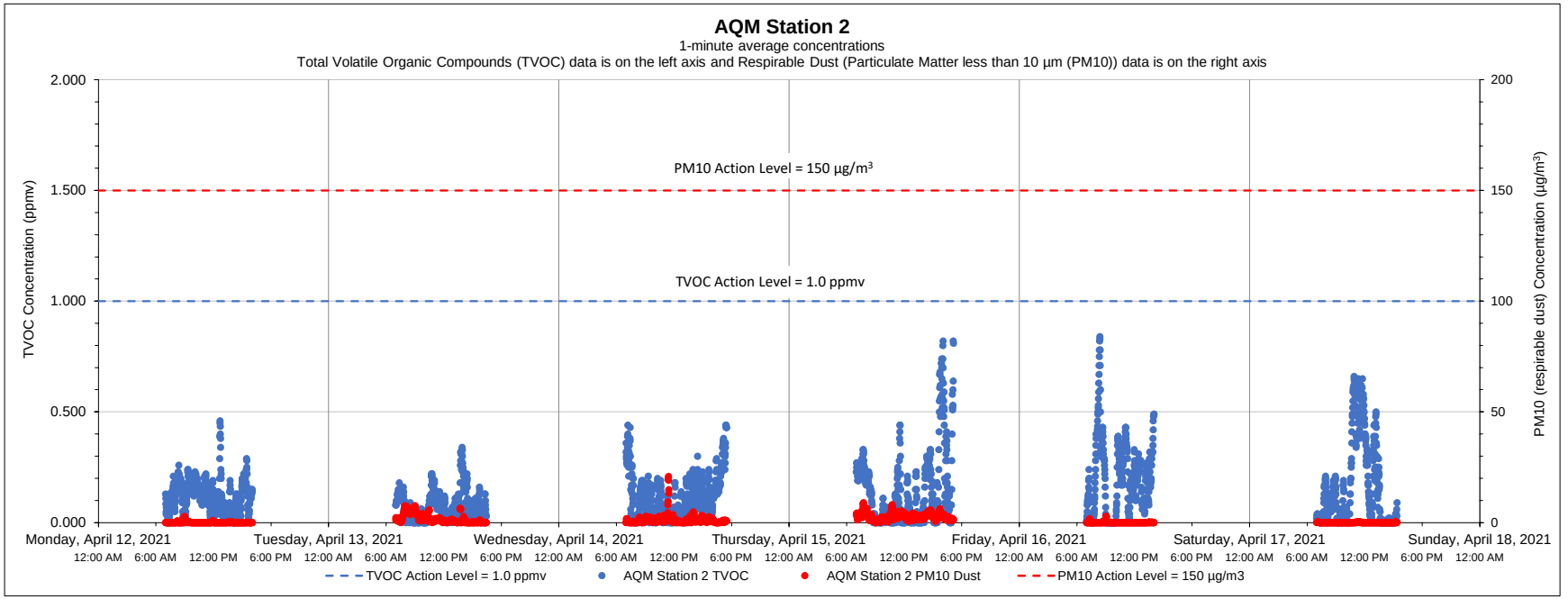

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.13	ppm
TVOCs maximum concentration	0.84	ppm
TVOCs action level	1	ppm
PM10 average concentration	1.03	µg/m^3
PM10 maximum concentration	20.81	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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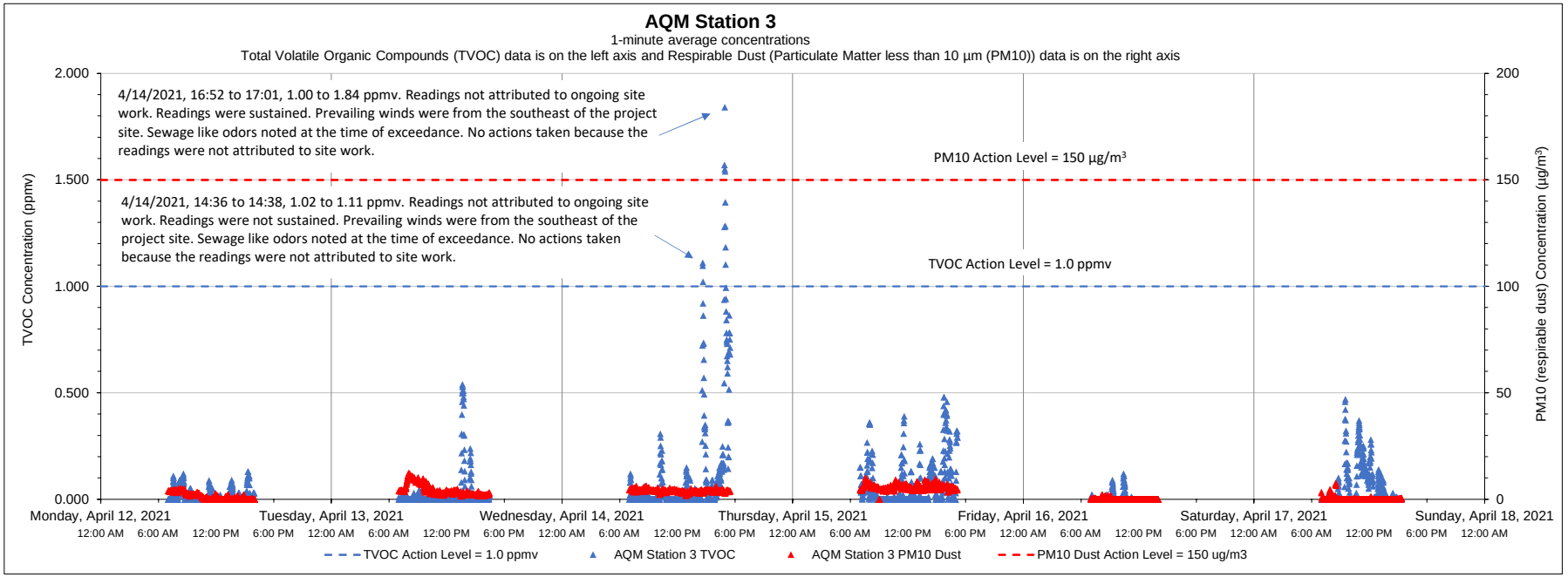

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
4/14/2021	16:52 to 17:01	TVOC	1.00 to 1.84 ppmv	No actions taken because the readings were not attributed to site work

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.84	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.90	µg/m^3
PM10 maximum concentration	12.22	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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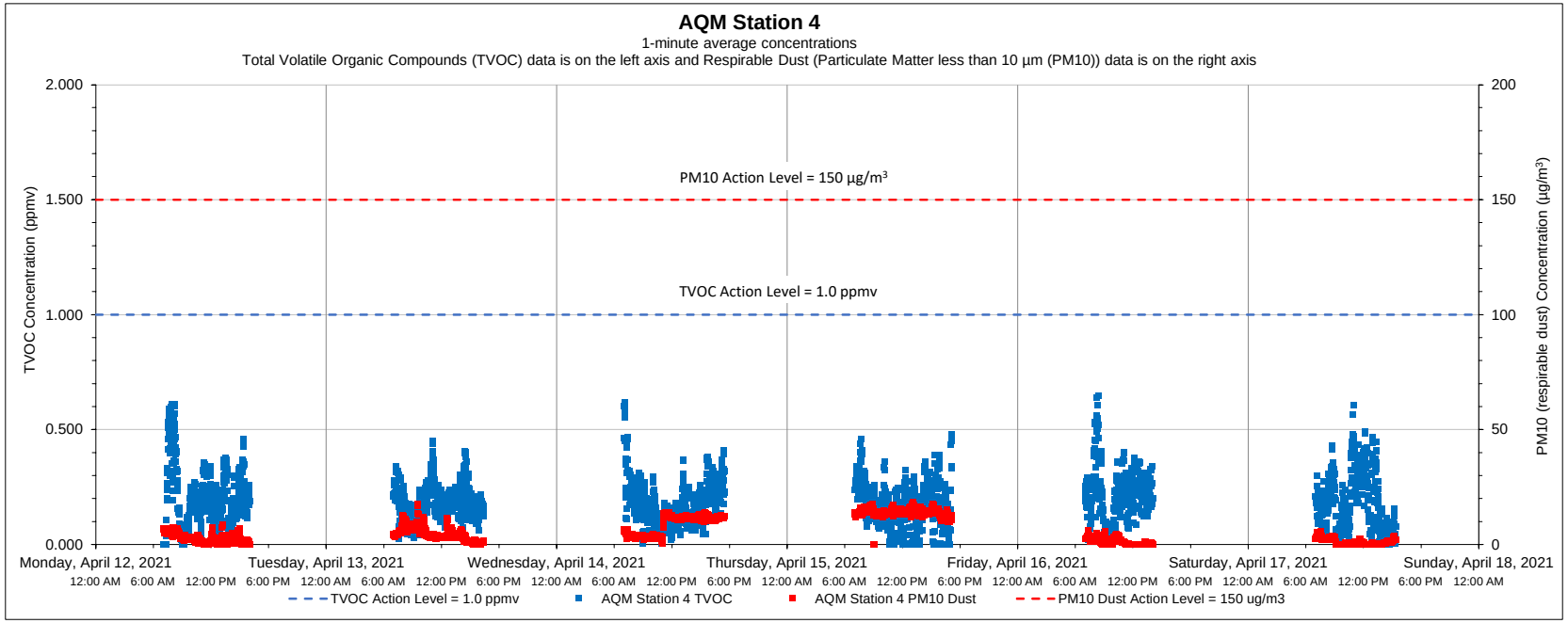

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.18	ppm
TVOCs maximum concentration	0.65	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.80	µg/m^3
PM10 maximum concentration	18.65	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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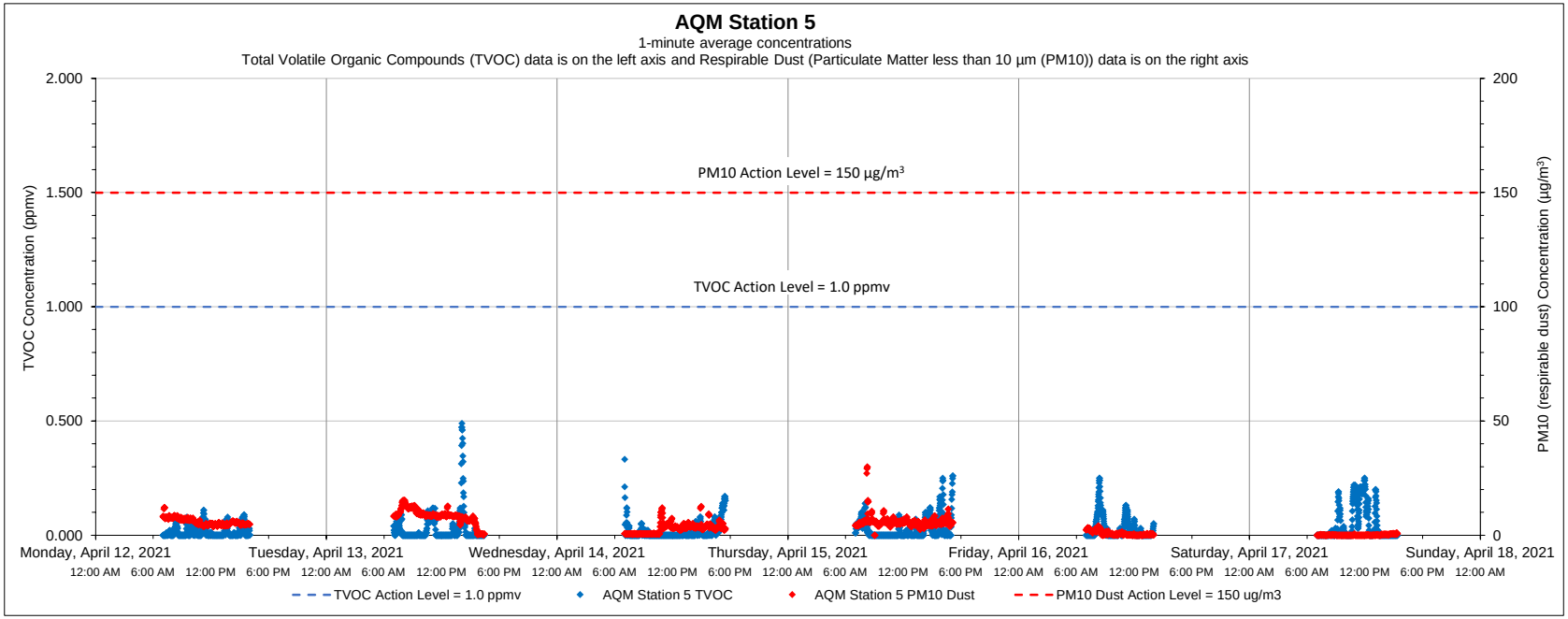

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.49	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.16	µg/m^3
PM10 maximum concentration	29.91	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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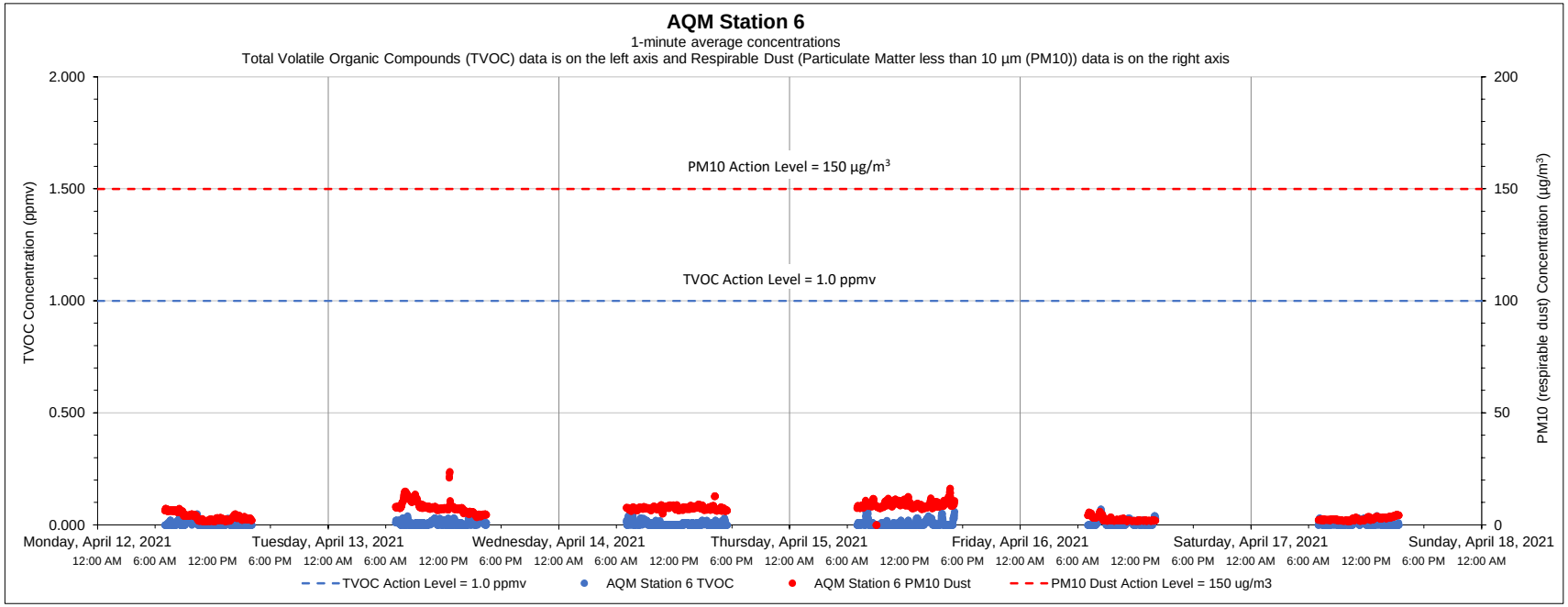

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.07	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.84	µg/m³
PM10 maximum concentration	23.82	µg/m³
PM10 action level	150	µg/m³

Notes:

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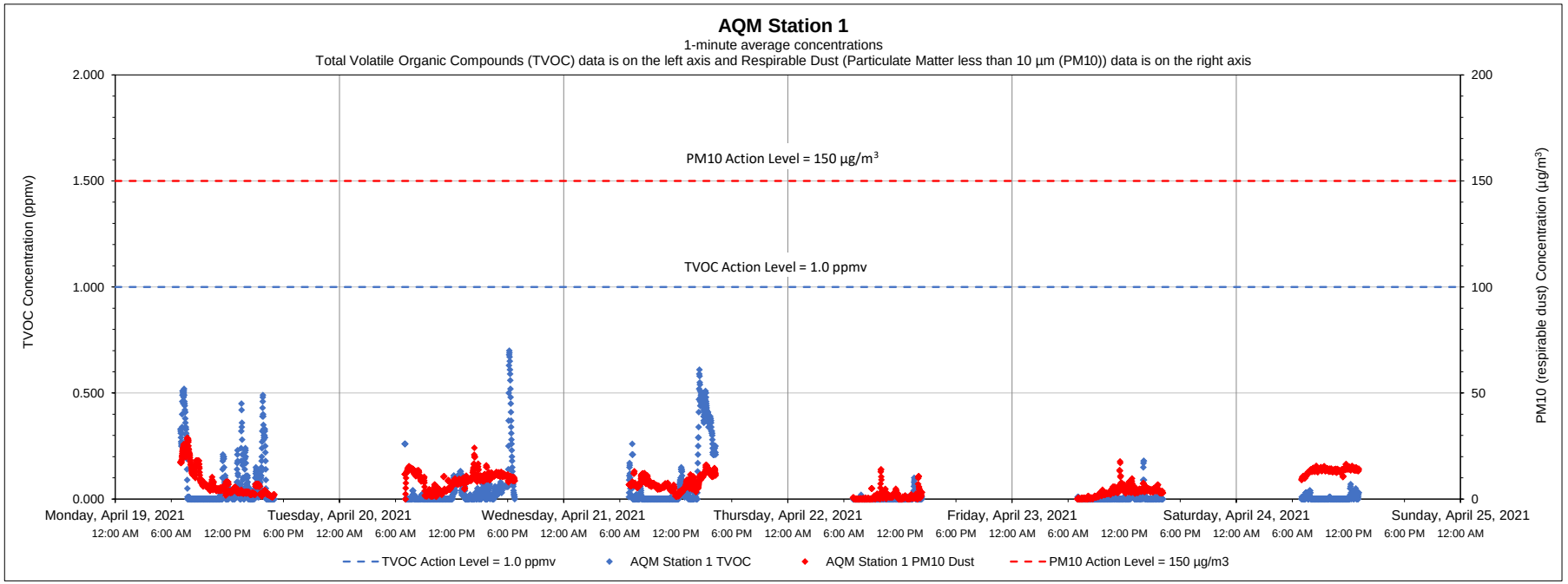

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.86	µg/m^3
PM10 maximum concentration	28.87	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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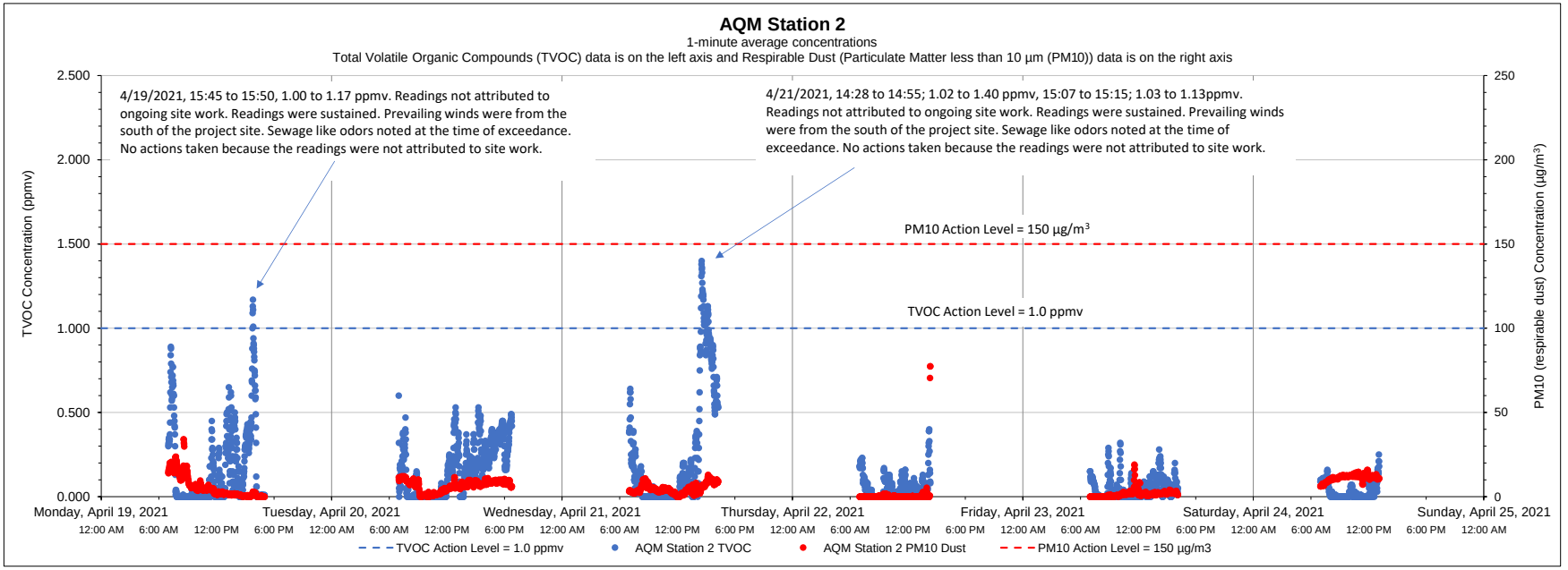

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
4/19/2021	15:45 to 15:50	TVOC	1.00 to 1.17 ppmv	No actions taken because the readings were not attributed to site work
4/21/2021	14:28 to 14:55	TVOC	1.02 to 1.40 ppmv	No actions taken because the readings were not attributed to site work
4/21/2021	15:07 to 15:15	TVOC	1.03 to 1.13 ppmv	No actions taken because the readings were not attributed to site work

Data Summary Statistics		
TVOCs average concentration	0.13	ppm
TVOCs maximum concentration	1.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.88	µg/m^3
PM10 maximum concentration	77.43	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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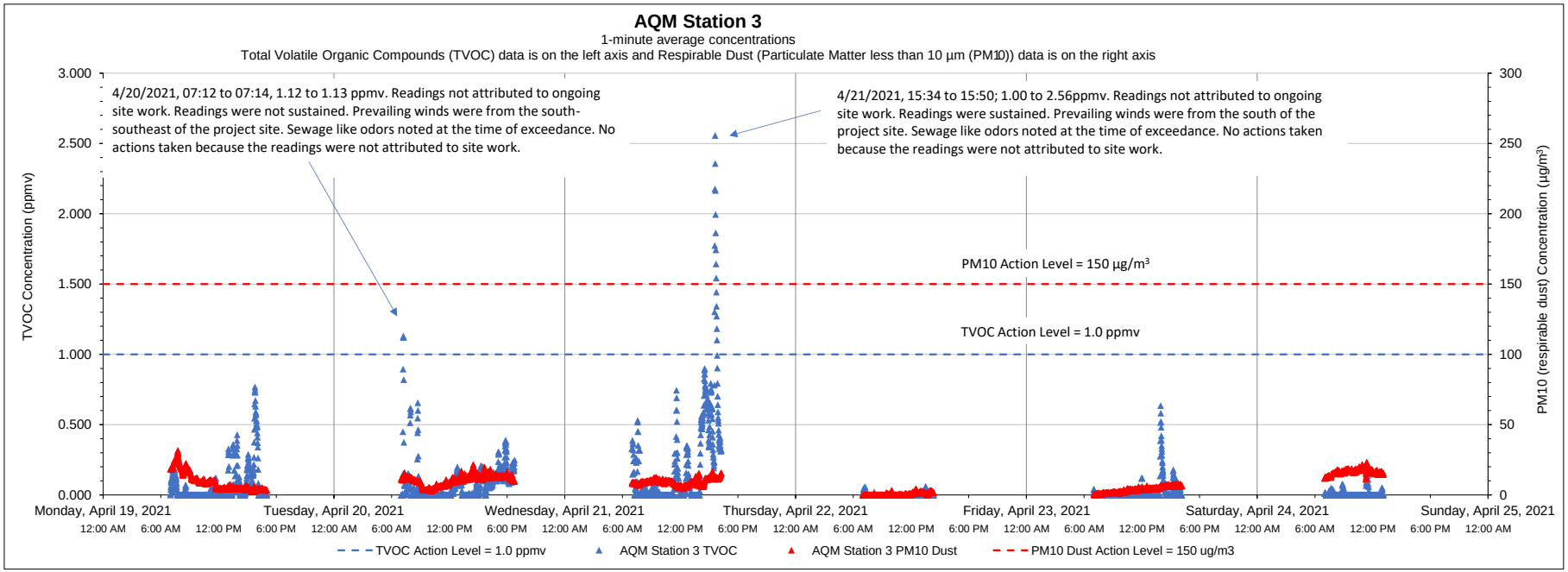

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
4/21/2021	15:34 to 15:50	TVOC	1.00 to 2.56 ppmv	No actions taken because the readings were not attributed to site work

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	2.56	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.42	µg/m^3
PM10 maximum concentration	31.67	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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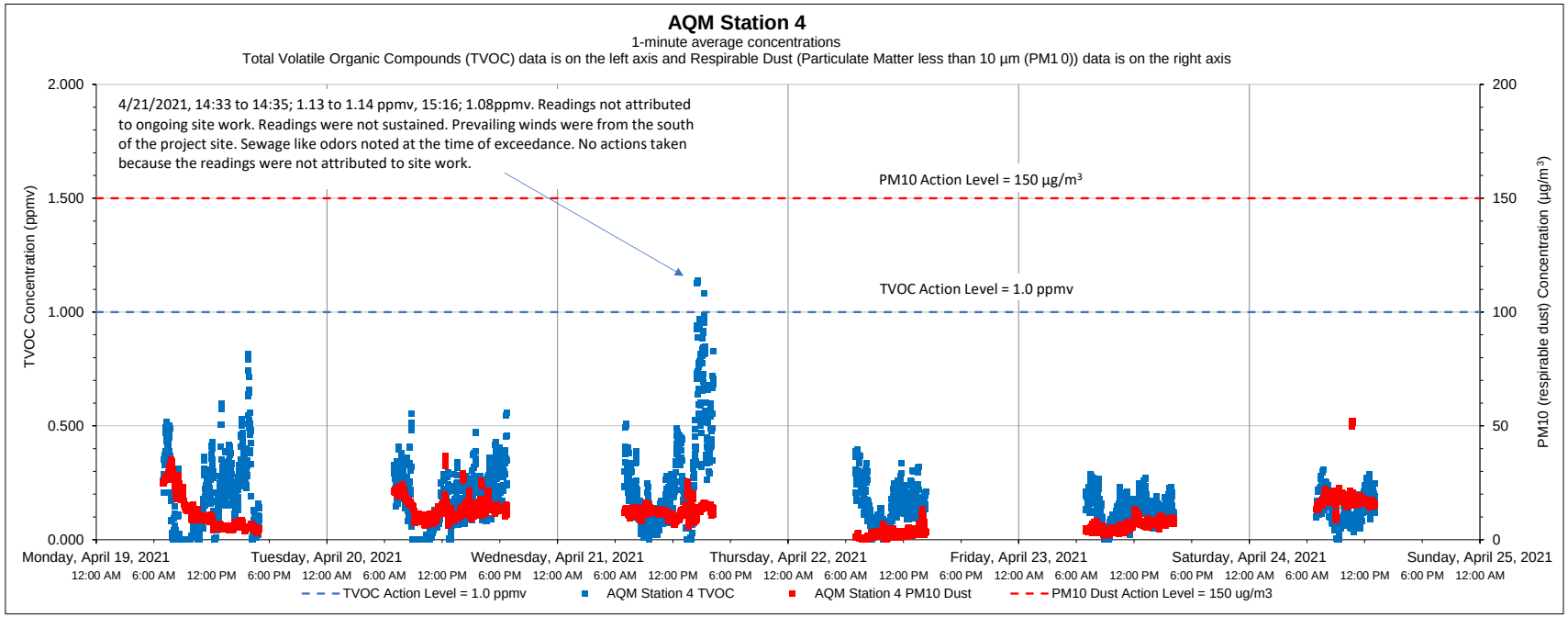

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.17	ppm
TVOCs maximum concentration	1.14	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.65	µg/m^3
PM10 maximum concentration	52.14	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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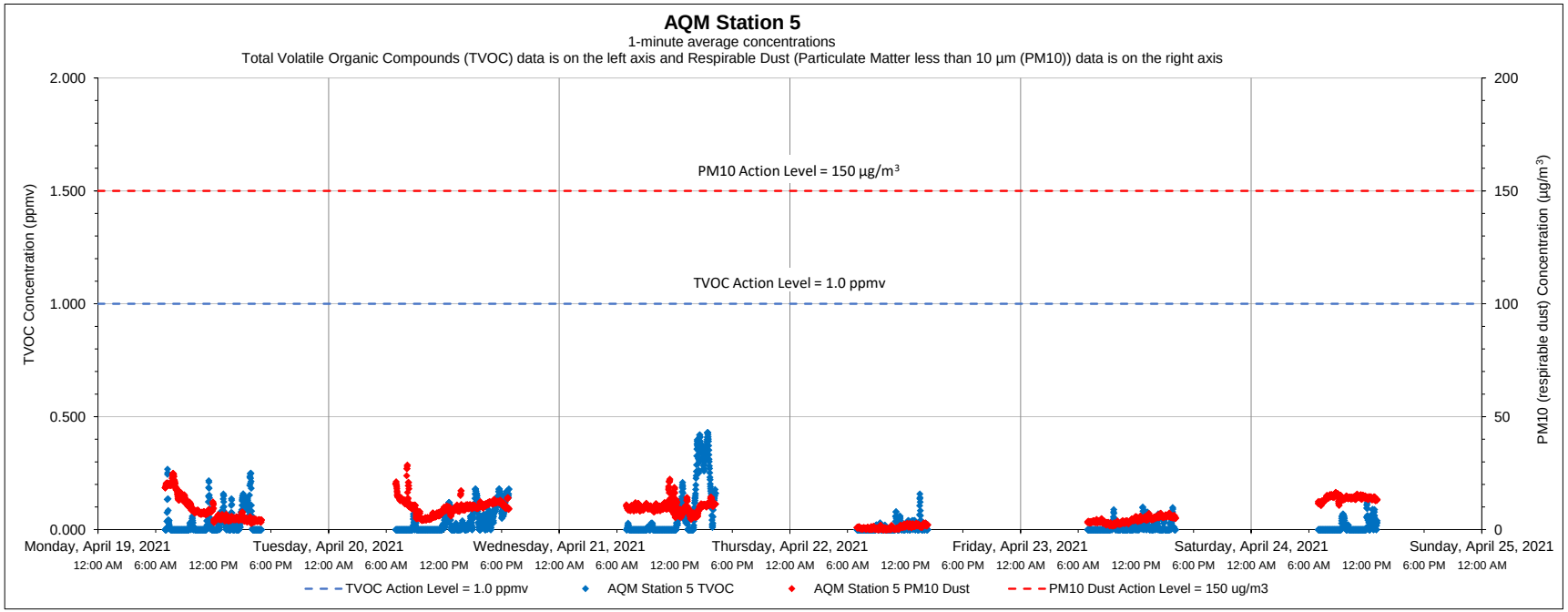

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.43	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.92	µg/m^3
PM10 maximum concentration	28.61	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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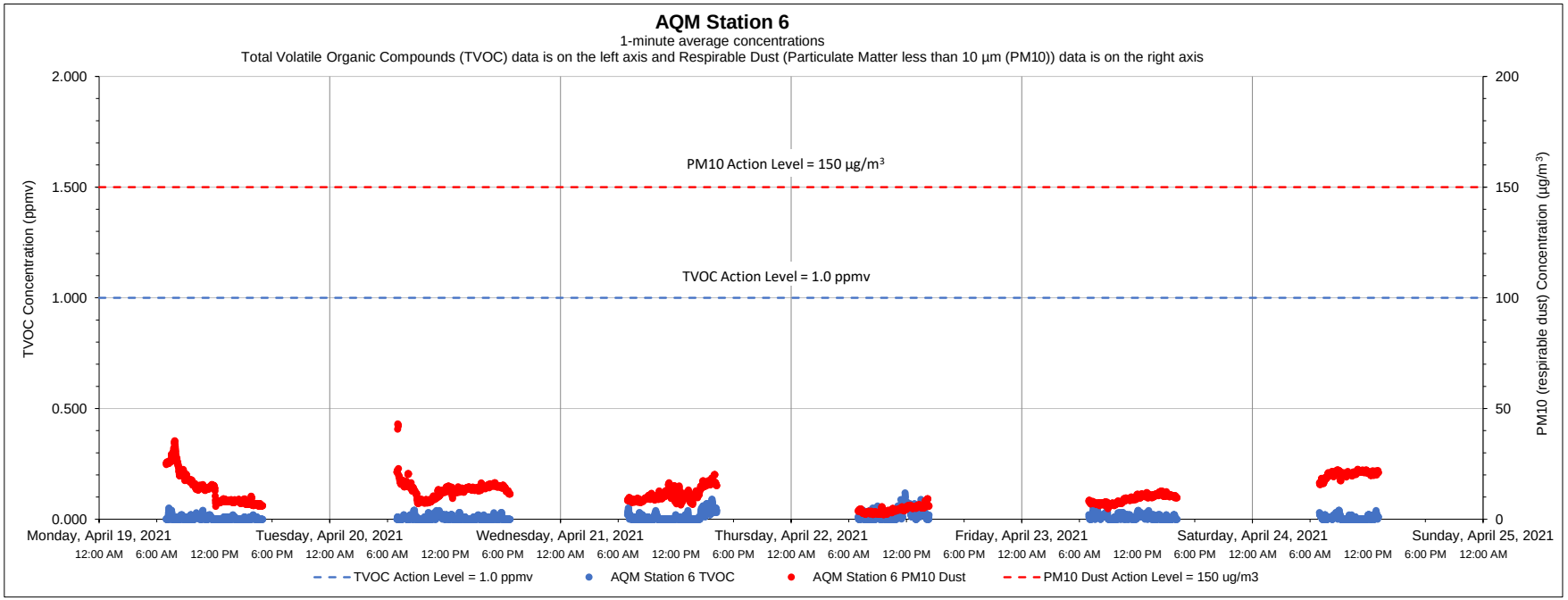

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.12	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.84	µg/m³
PM10 maximum concentration	43.03	µg/m³
PM10 action level	150	µg/m³

Notes:

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5/03/2021

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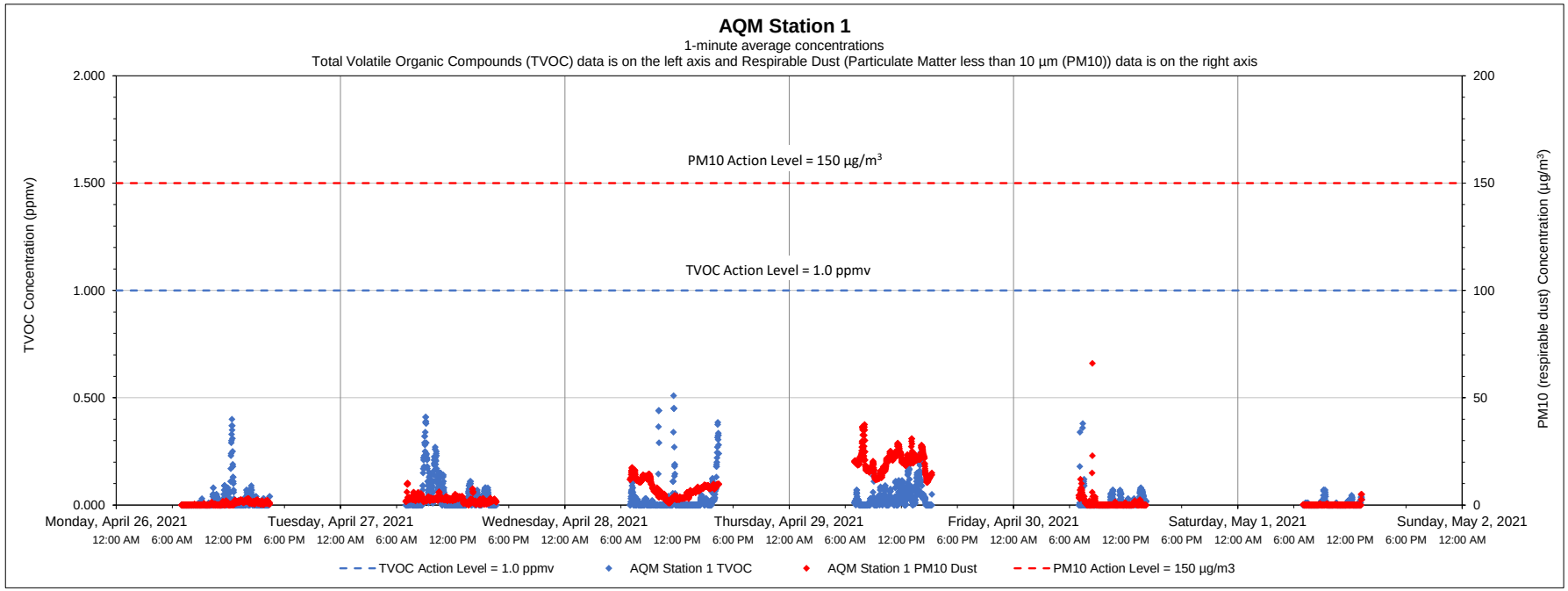

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.51	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.44	µg/m^3
PM10 maximum concentration	66.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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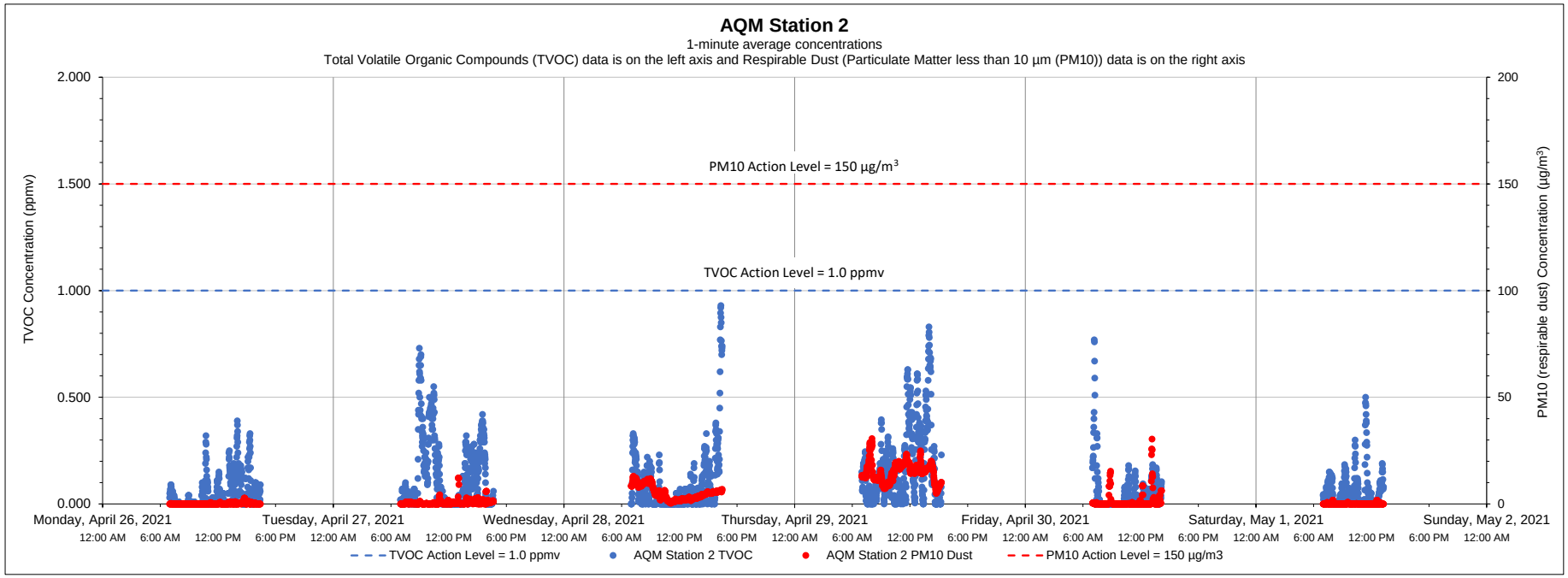

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	0.93	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.71	µg/m³
PM10 maximum concentration	30.67	µg/m³
PM10 action level	150	µg/m³

Notes:

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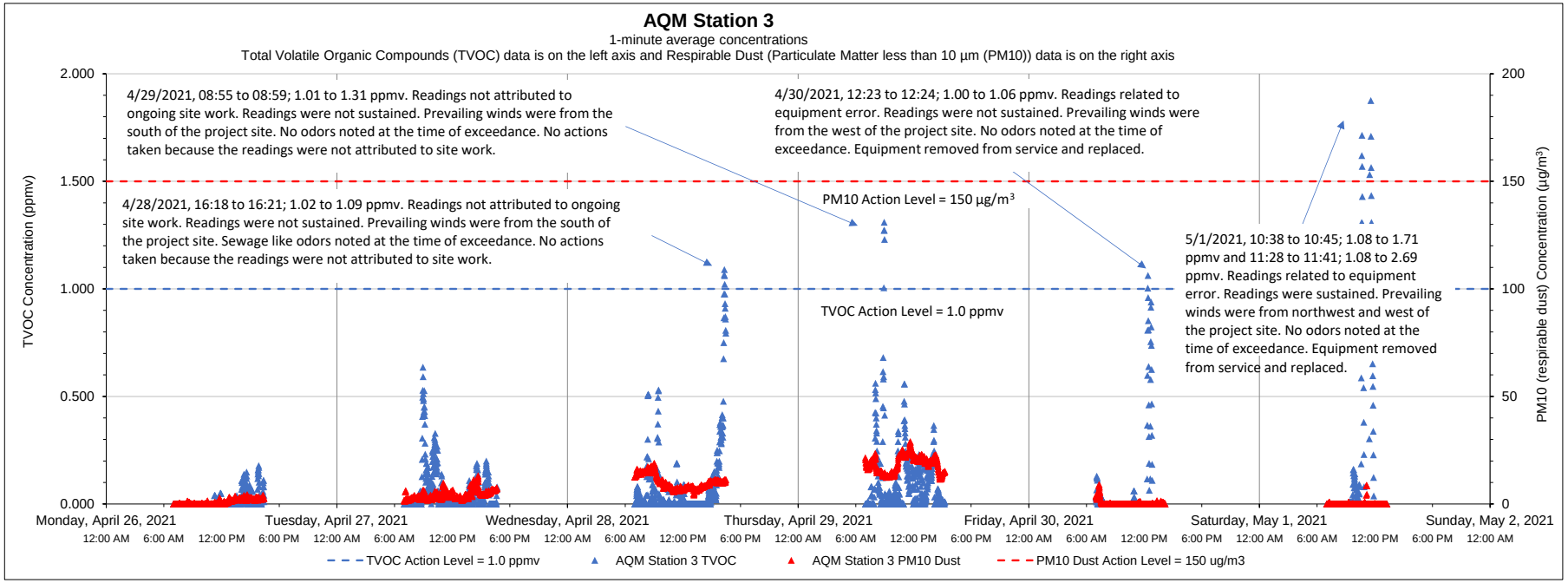
STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
5/1/2021	10:38-10:45	TVOCs	1.08 - 1.71 ppmv	Equipment recalibrated.
5/1/2021	11:28-11:41	TVOCs	1.08 - 2.69 ppmv	Equipment removed from service and replaced.

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	2.69	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.11	µg/m³
PM10 maximum concentration	29.06	µg/m³
PM10 action level	150	µg/m³

Equipment Notes
4/30/2021 -Equipment error caused transient action level exceedances. A handheld PID was utilized to confirm that the station's readings were inaccurate, and the site was checked for odors. Equipment was removed from service and replaced.
5/1/2021 - Equipment error caused sustained action level exceedances. A handheld PID was utilized to confirm that the station's readings were inaccurate, and the site was checked for odors. Equipment was removed from service and replaced.

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

GZA Job No. 03.0033554.04

5/03/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

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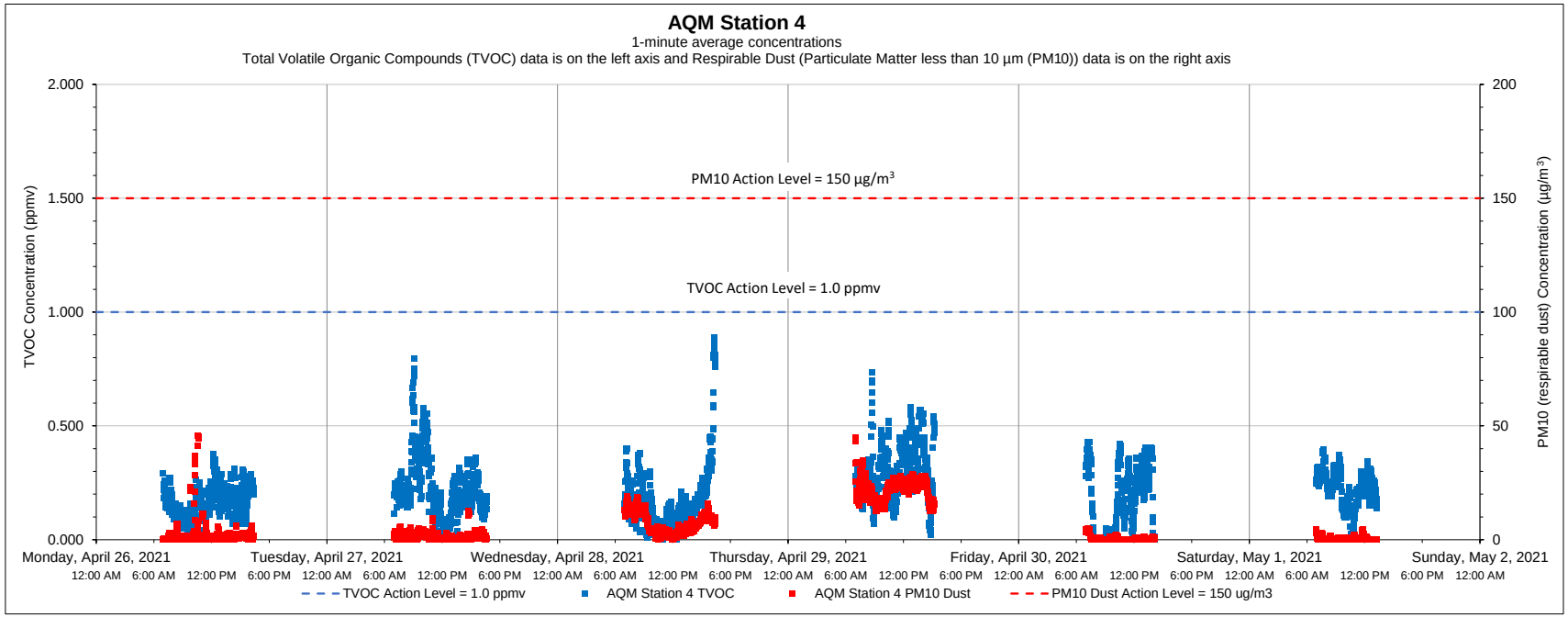

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.21	ppm
TVOCs maximum concentration	0.89	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.81	µg/m^3
PM10 maximum concentration	45.72	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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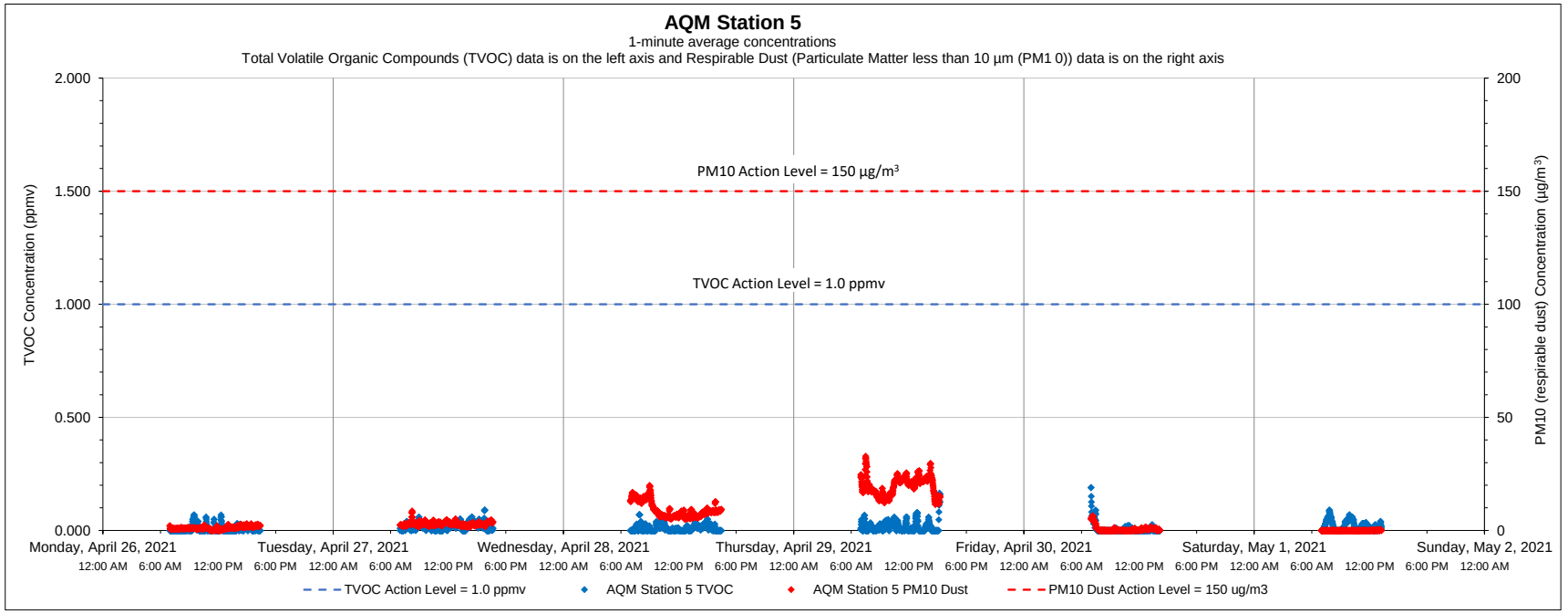

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.81	µg/m^3
PM10 maximum concentration	32.84	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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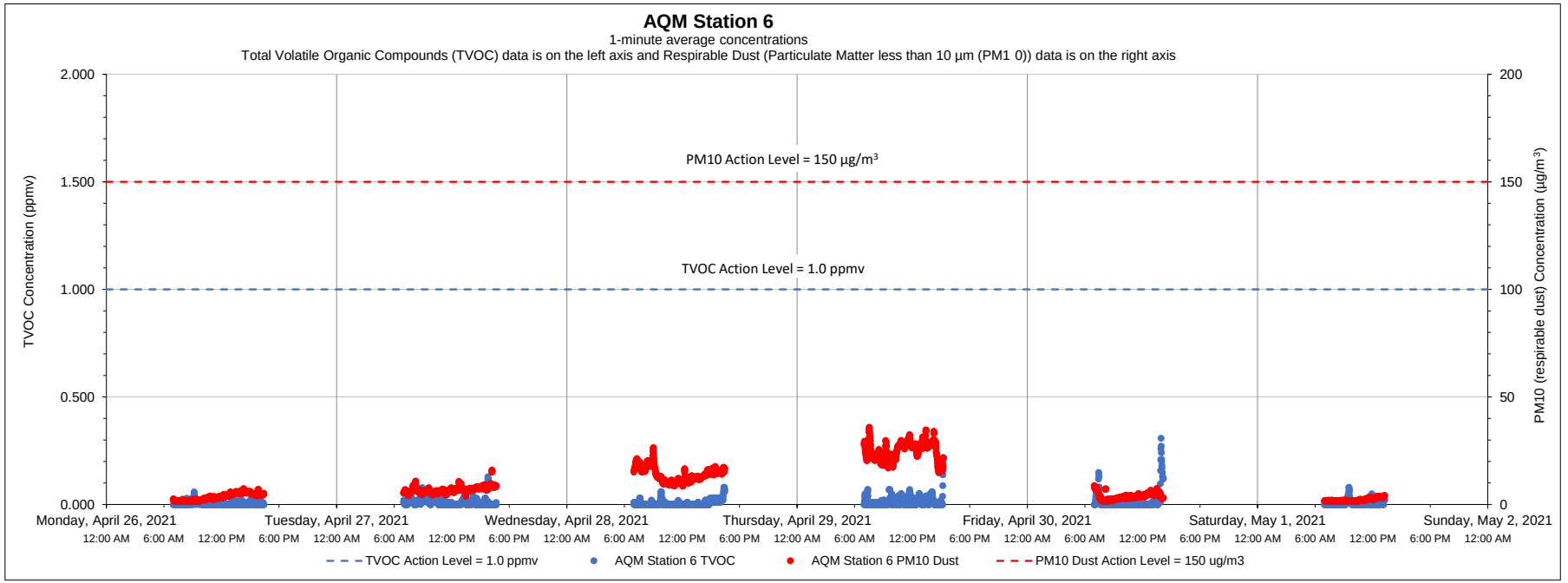

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.49	µg/m^3
PM10 maximum concentration	35.88	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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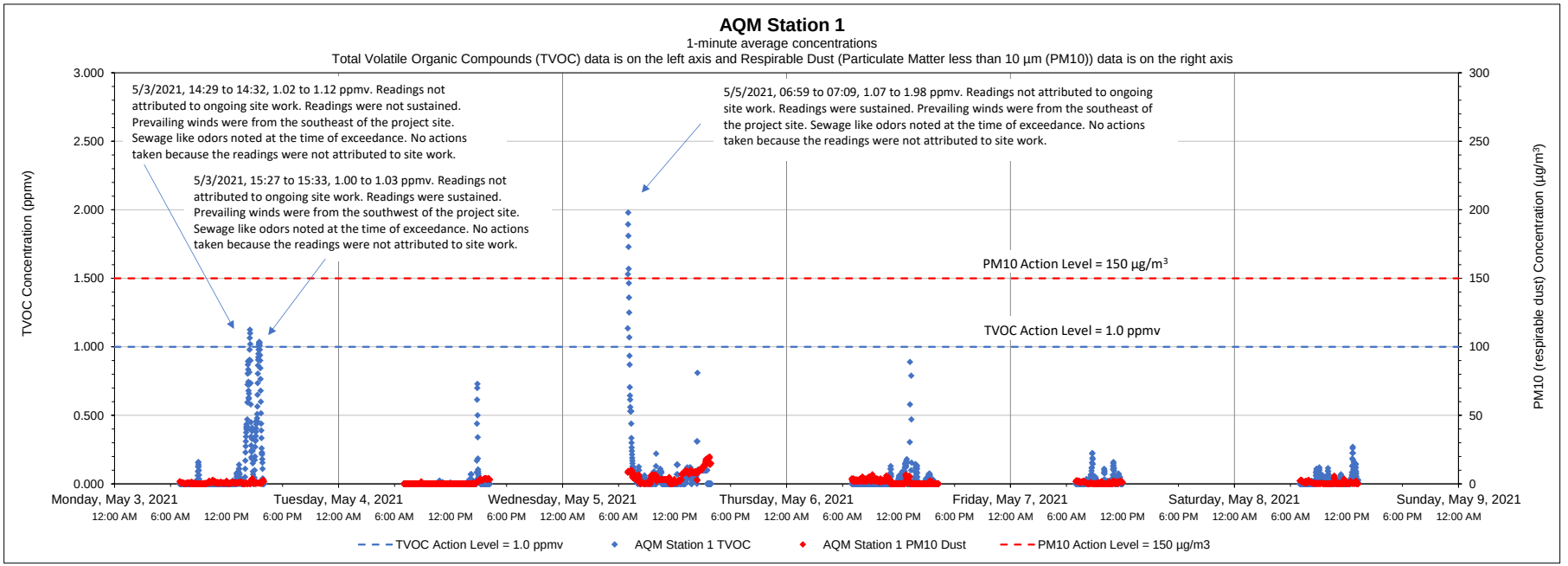

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
05/3/2021	15:27 to 15:33	TVOC	1.00 to 1.03 ppmv	No actions taken because the readings were not attributed to site work
05/5/2021	06:59 to 07:09	TVOC	1.07 to 1.98 ppmv	No actions taken because the readings were not attributed to site work

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.98	ppm
TVOCs action level	1	ppm
PM10 average concentration	1.80	µg/m^3
PM10 maximum concentration	20.00	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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2) The location of each AQM Station is presented on the attached summary figure.

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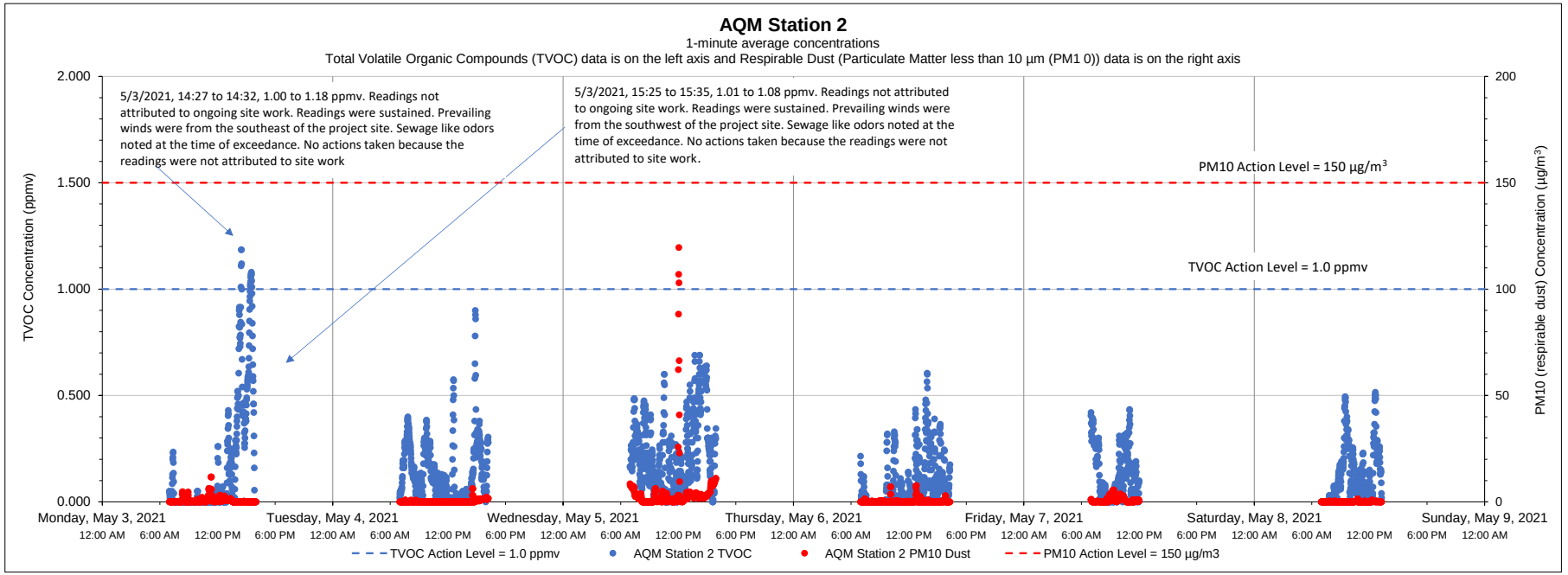

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
5/3/2021	14:27 to 14:32	TVOC	1.00 to 1.18 ppmv	No actions taken because the readings were not attributed to site work.
5/3/2021	15:25 to 15:35	TVOC	1.01 to 1.08 ppmv	No actions taken because the readings were not attributed to site work.

Data Summary Statistics		
TVOCs average concentration	0.14	ppm
TVOCs maximum concentration	1.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	0.99	µg/m^3
PM10 maximum concentration	119.62	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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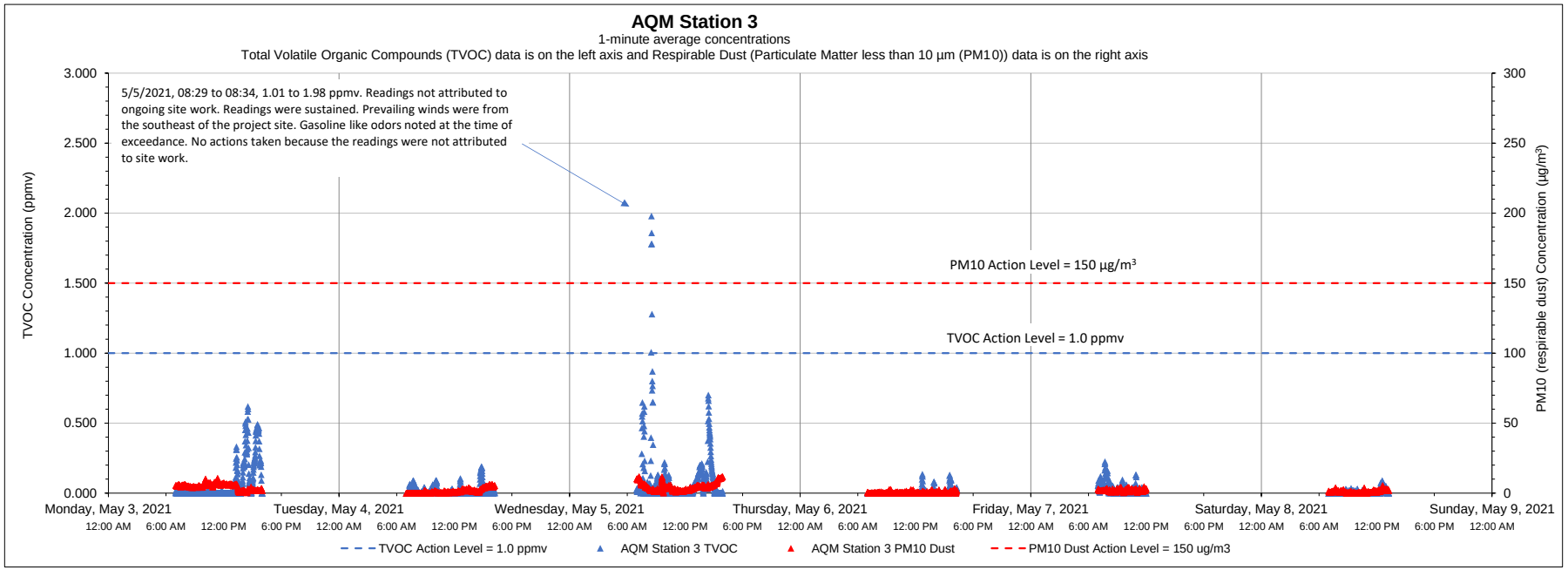

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
5/5/2021	08:29 to 08:34	TVOC	1.01 to 1.98 ppmv	No actions taken because the readings were not attributed to site work.

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.98	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.54	µg/m^3
PM10 maximum concentration	11.87	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
None

Notes:

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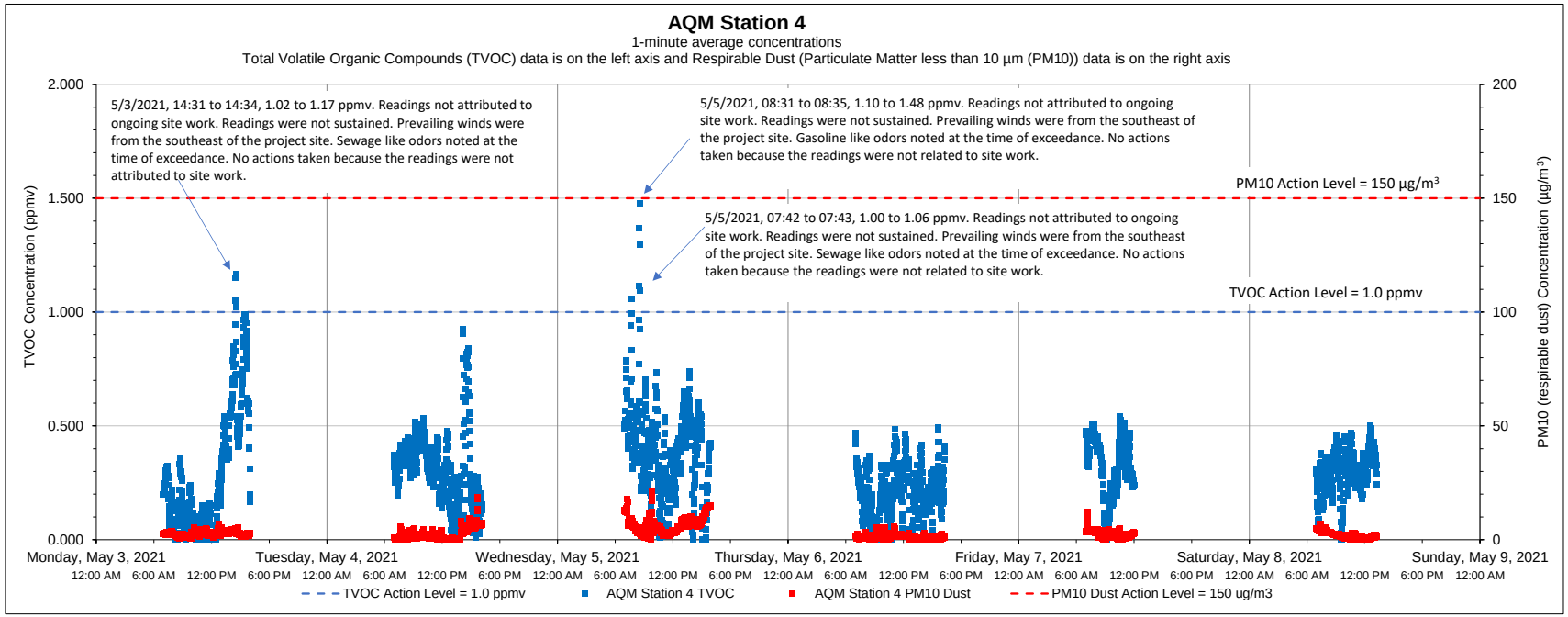

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.30	ppm
TVOCs maximum concentration	1.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.97	µg/m^3
PM10 maximum concentration	21.29	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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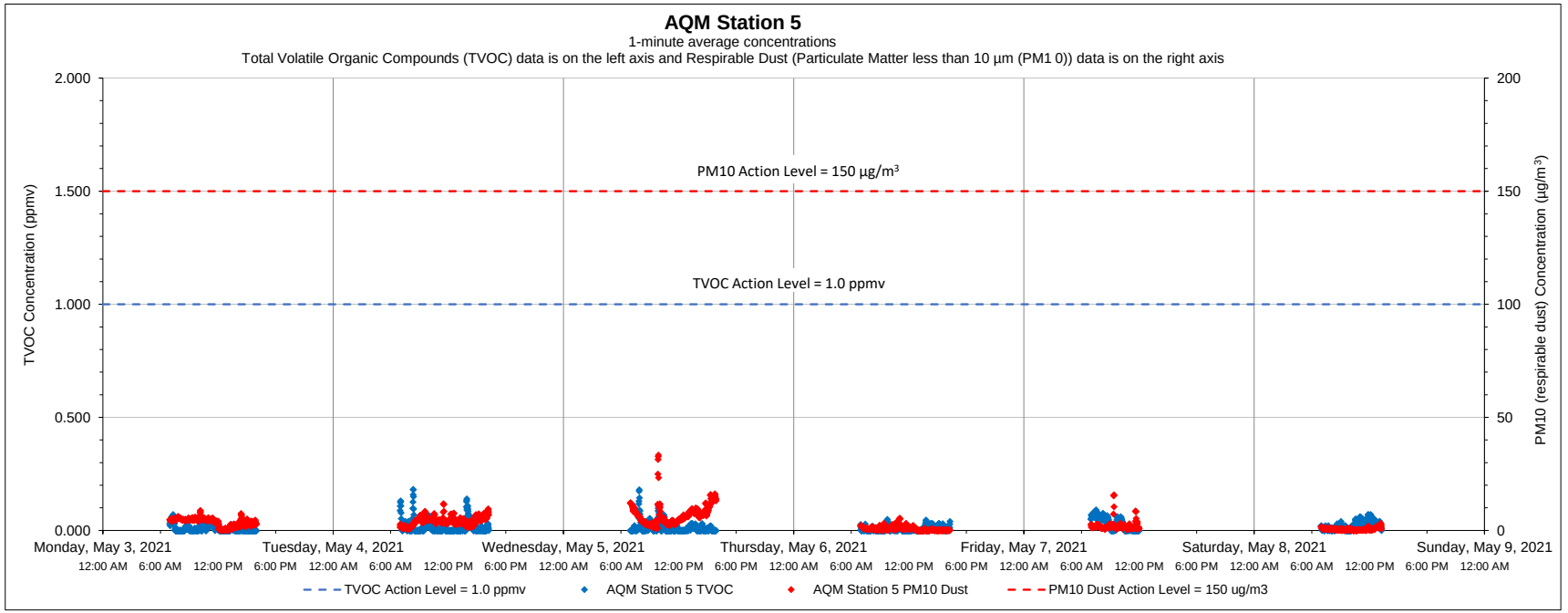

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.13	µg/m^3
PM10 maximum concentration	33.30	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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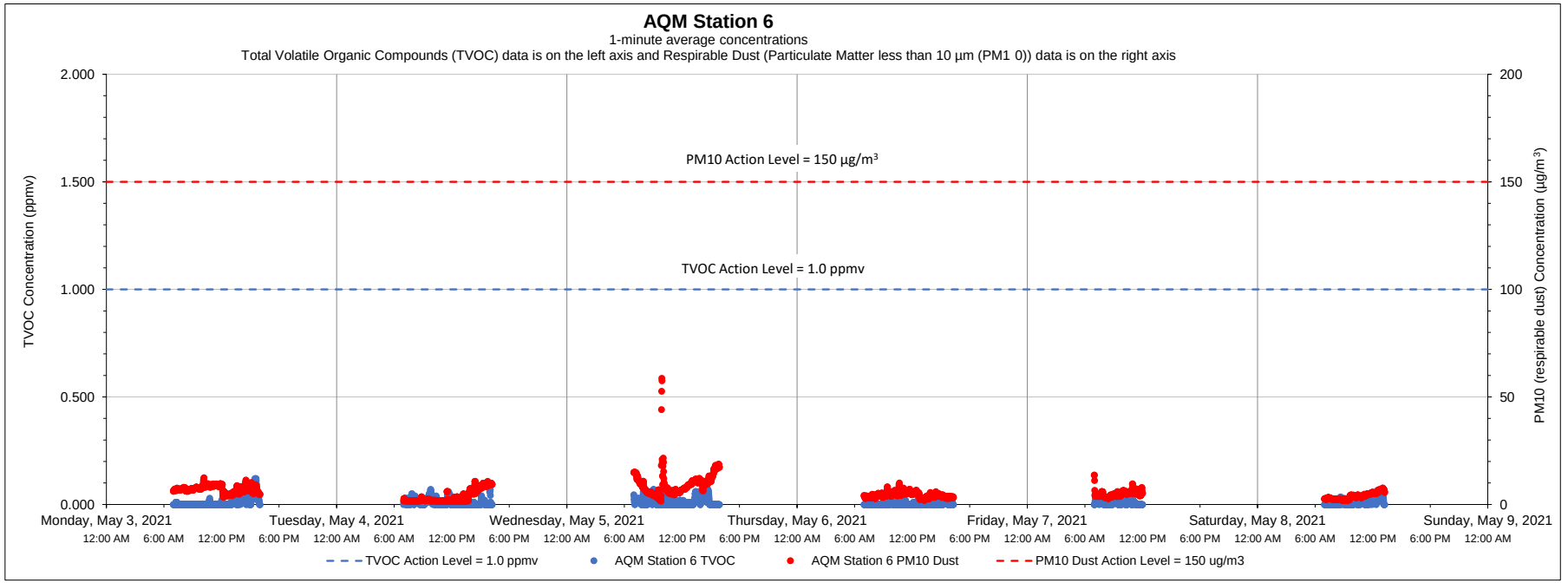

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.12	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.68	µg/m^3
PM10 maximum concentration	58.64	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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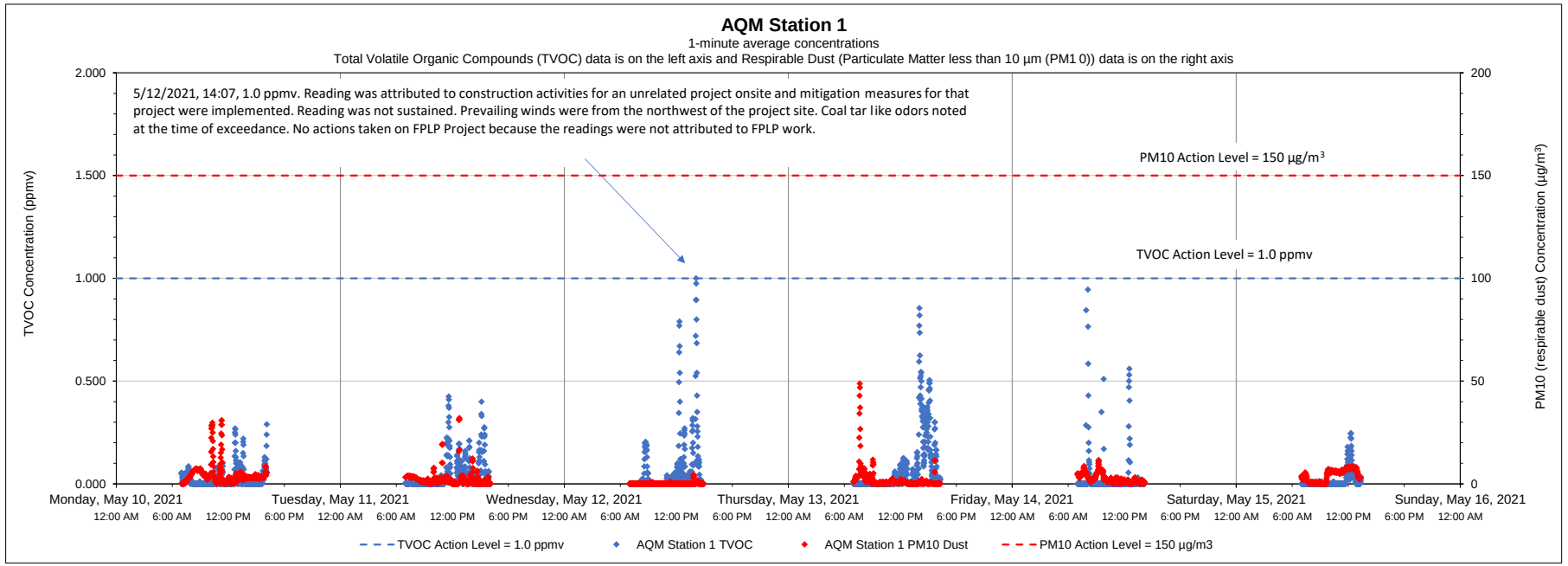

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.00	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.40	µg/m^3
PM10 maximum concentration	48.80	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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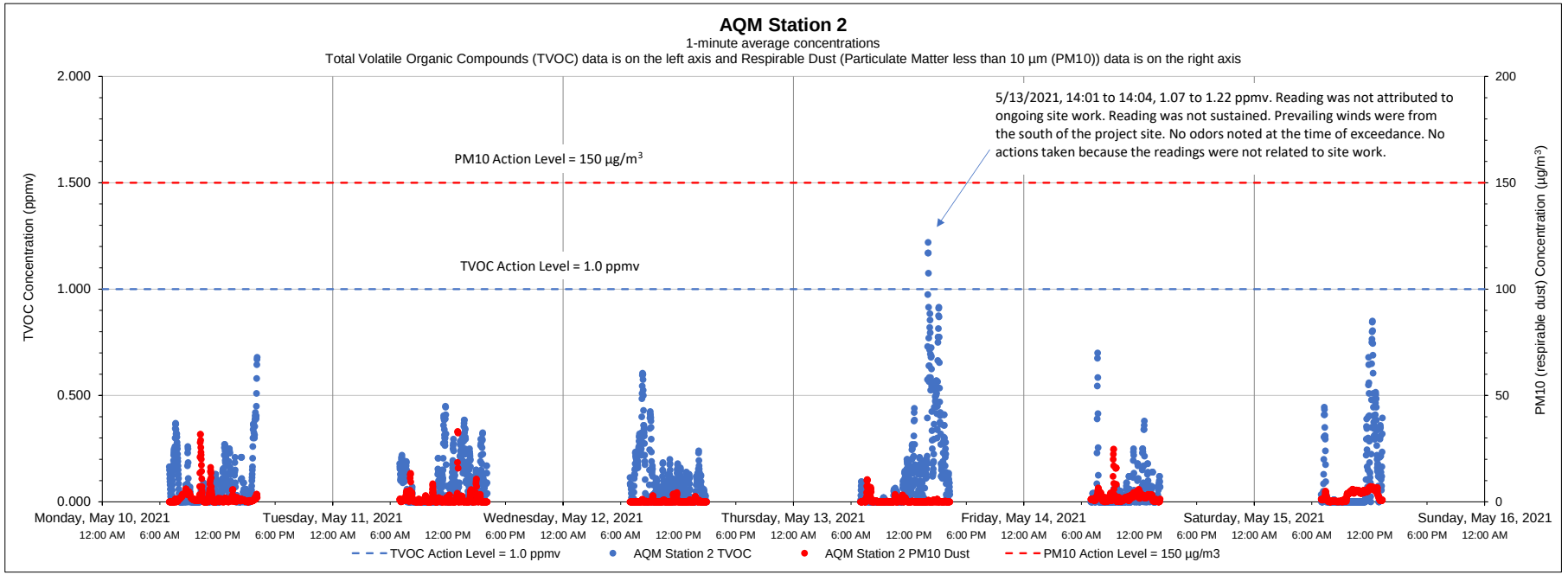

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	1.22	ppm
TVOCs action level	1	ppm
PM10 average concentration	1.44	µg/m³
PM10 maximum concentration	33.02	µg/m³
PM10 action level	150	µg/m³

Notes:

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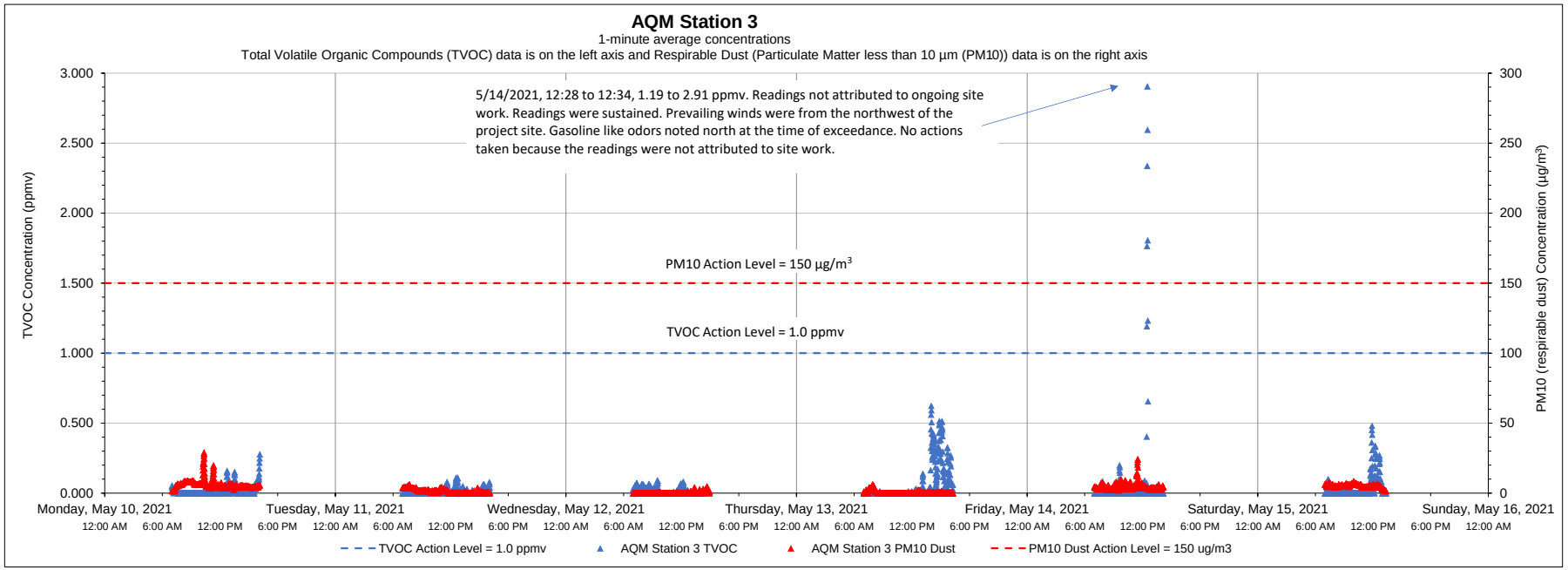

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
5/14/2021	12:28 to 12:34	TVOC	1.19 to 2.91 ppmv	No actions taken because the readings were not attributed to site work

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	2.91	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.01	µg/m^3
PM10 maximum concentration	29.20	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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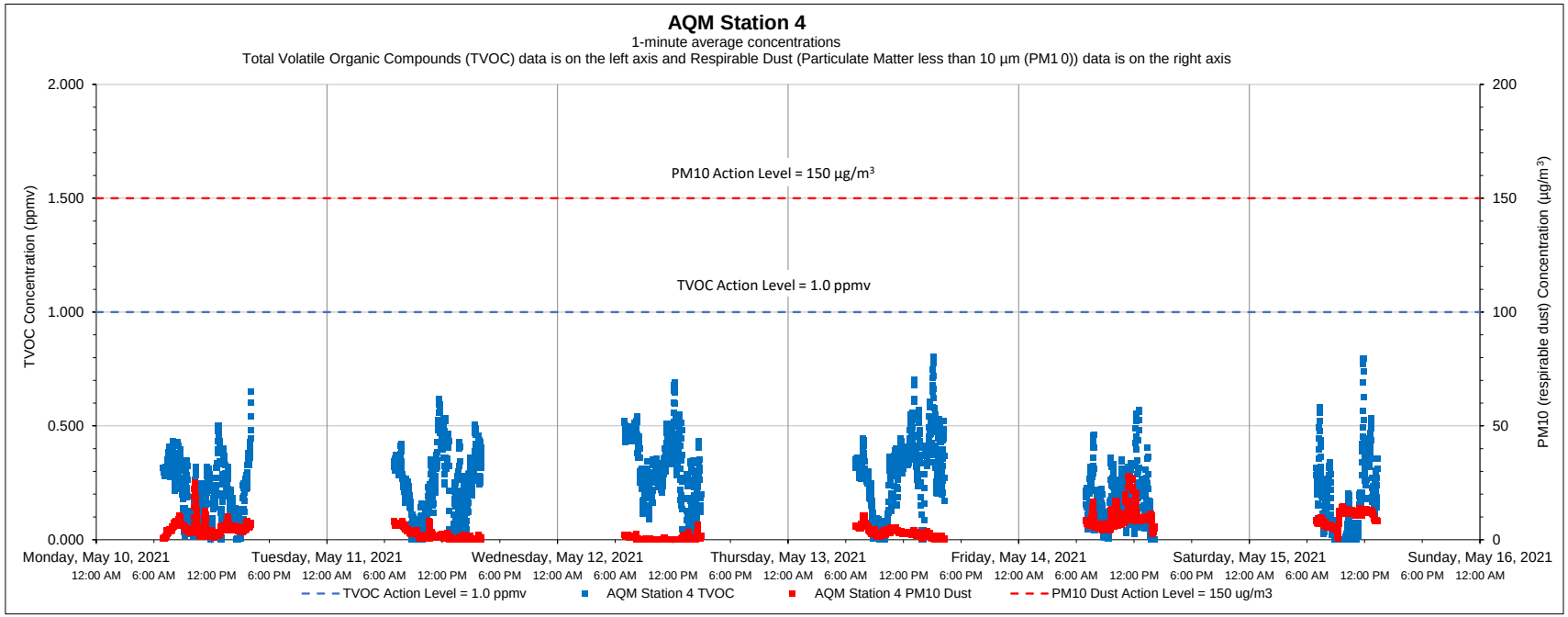

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.23	ppm
TVOCs maximum concentration	0.81	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.59	µg/m^3
PM10 maximum concentration	27.81	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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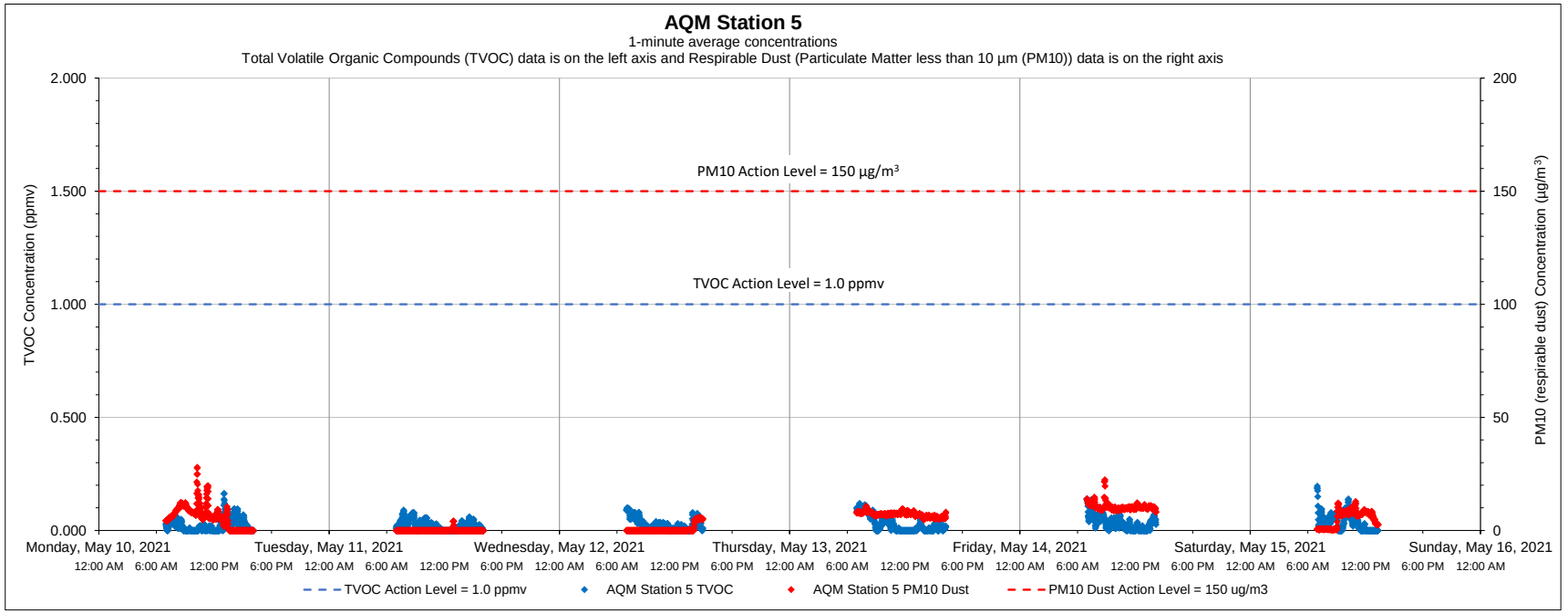

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.72	µg/m^3
PM10 maximum concentration	27.94	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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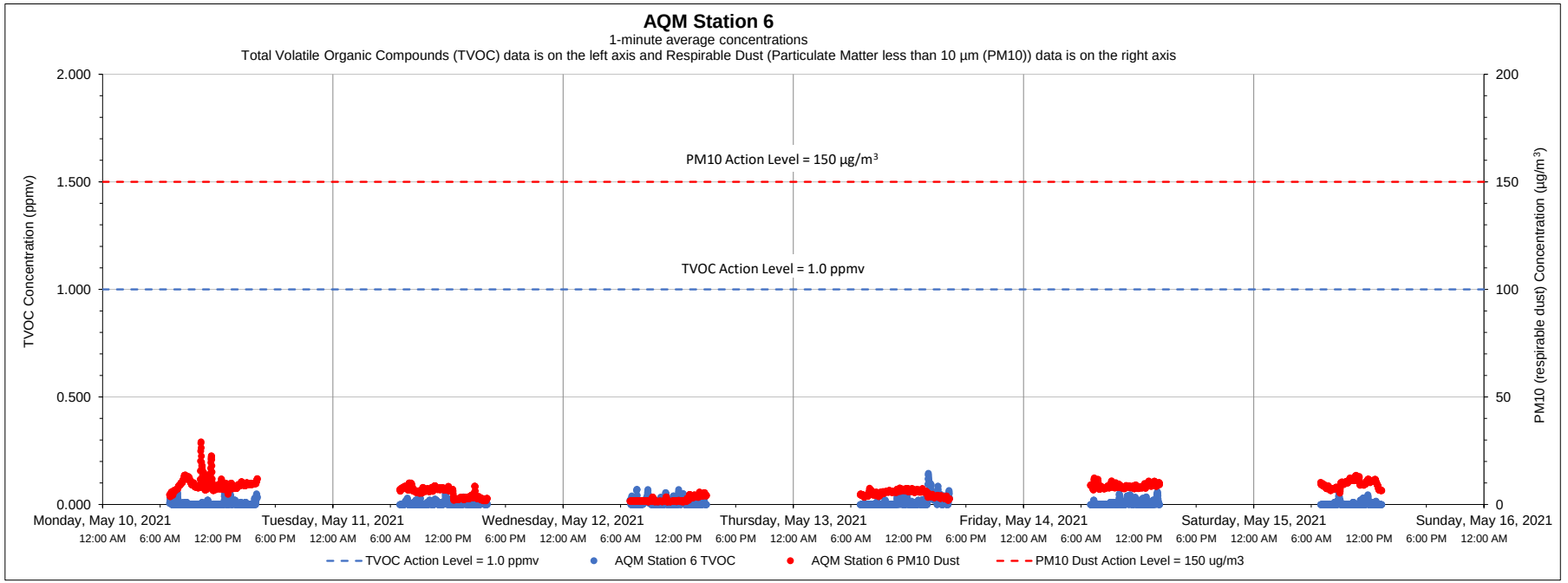

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.15	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.63	µg/m^3
PM10 maximum concentration	29.13	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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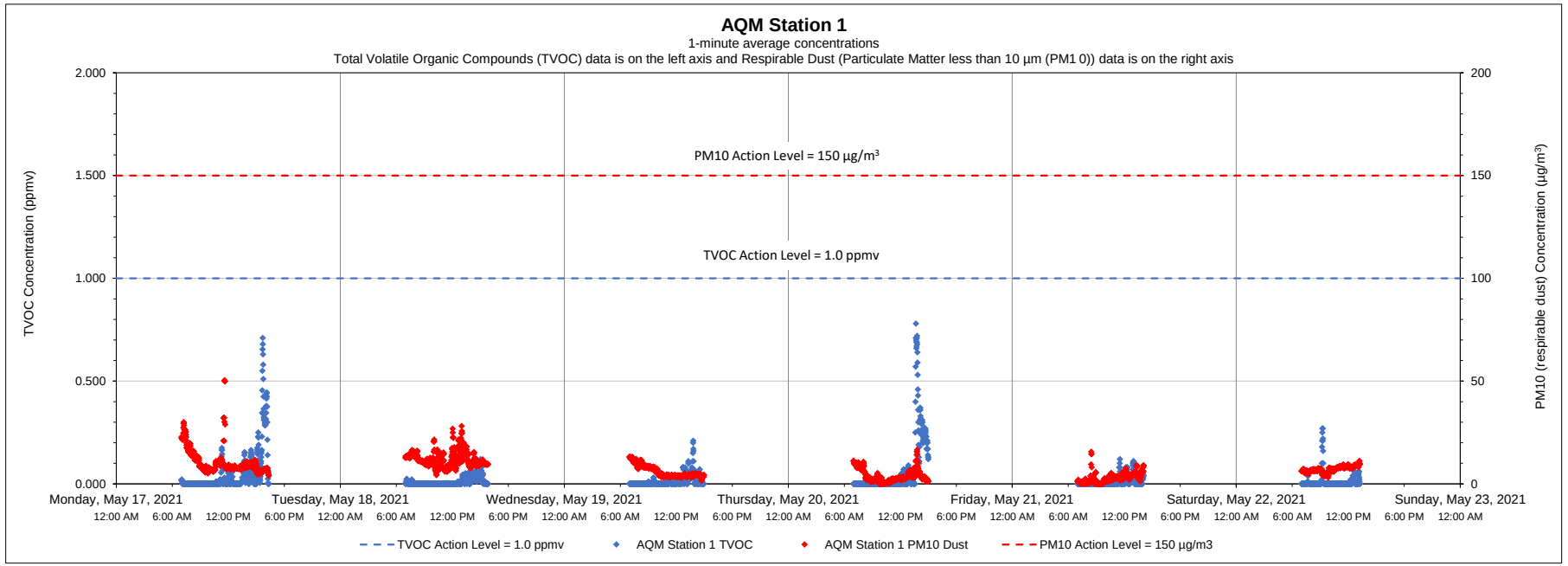
5/24/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.78	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.23	µg/m^3
PM10 maximum concentration	50.43	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

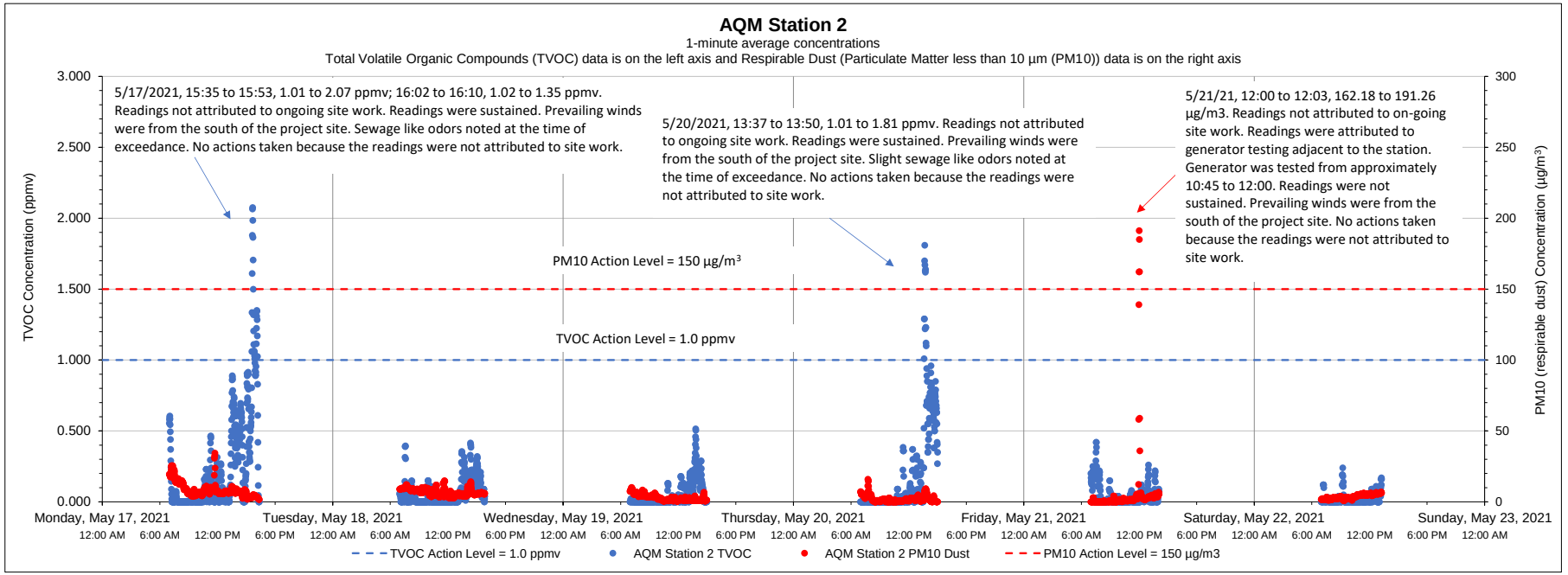
GZA Job No. 03.0033554.04

5/24/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
5/17/2021	15:35 to 15:53	TVOC	1.01 to 2.07 ppmv	No actions taken because the readings were not attributed to site work.
5/17/2021	16:02 to 16:10	TVOC	1.02 to 1.35 ppmv	No actions taken because the readings were not attributed to site work.
5/20/2021	13:37 to 13:50	TVOC	1.01 to 1.81 ppmv	No actions taken because the readings were not attributed to site work.

Data Summary Statistics		
TVOCs average concentration	0.10	ppm
TVOCs maximum concentration	2.07	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.84	µg/m³
PM10 maximum concentration	191.26	µg/m³
PM10 action level	150	µg/m³

Equipment Notes
None

Notes:

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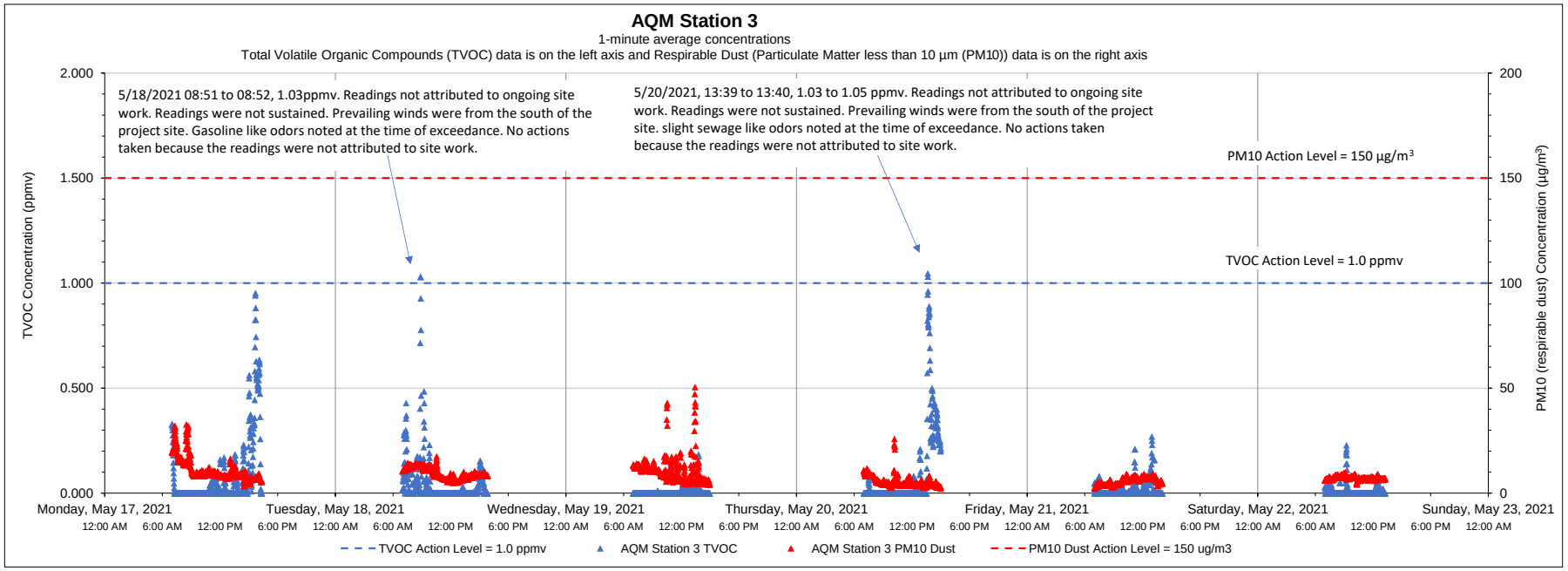

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.05	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.51	µg/m³
PM10 maximum concentration	50.51	µg/m³
PM10 action level	150	µg/m³

Notes:

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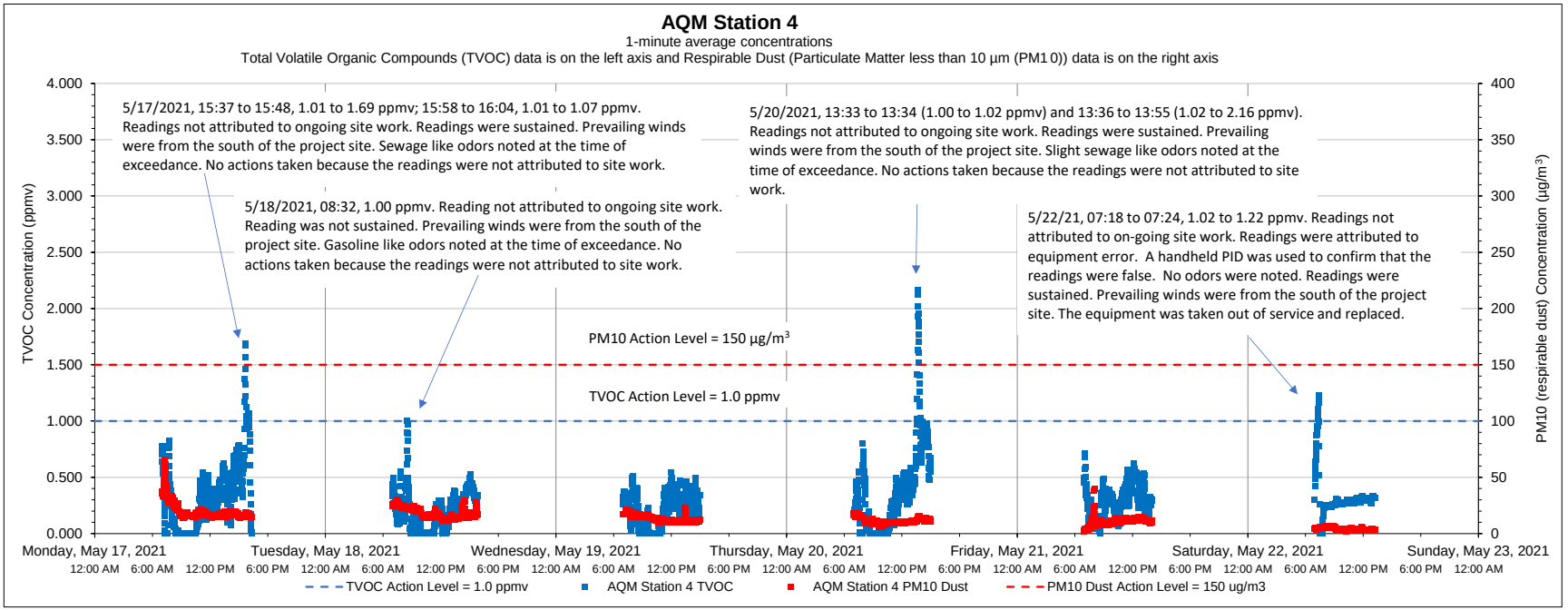

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
5/17/2021	15:37 to 15:48	TVOC	1.01 to 1.69 ppmv	No actions taken because the readings were not attributed to site work.
5/17/2021	15:58 to 16:04	TVOC	1.01 to 1.07 ppmv	No actions taken because the readings were not attributed to site work.
5/20/2021	13:36 to 13:55	TVOC	1.02 to 2.16 ppmv	No actions taken because the readings were not attributed to site work.
5/22/2021	07:18 to 07:24	TVOC	1.02 to 1.22 ppmv	No actions taken because the readings were not attributed to site work.
Equipment Notes				
PID for station was taken out of service and replaced due to equipment error.				

Data Summary Statistics		
TVOCs average concentration	0.28	ppm
TVOCs maximum concentration	2.16	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.48	µg/m³
PM10 maximum concentration	65.60	µg/m³
PM10 action level	150	µg/m³

Notes:

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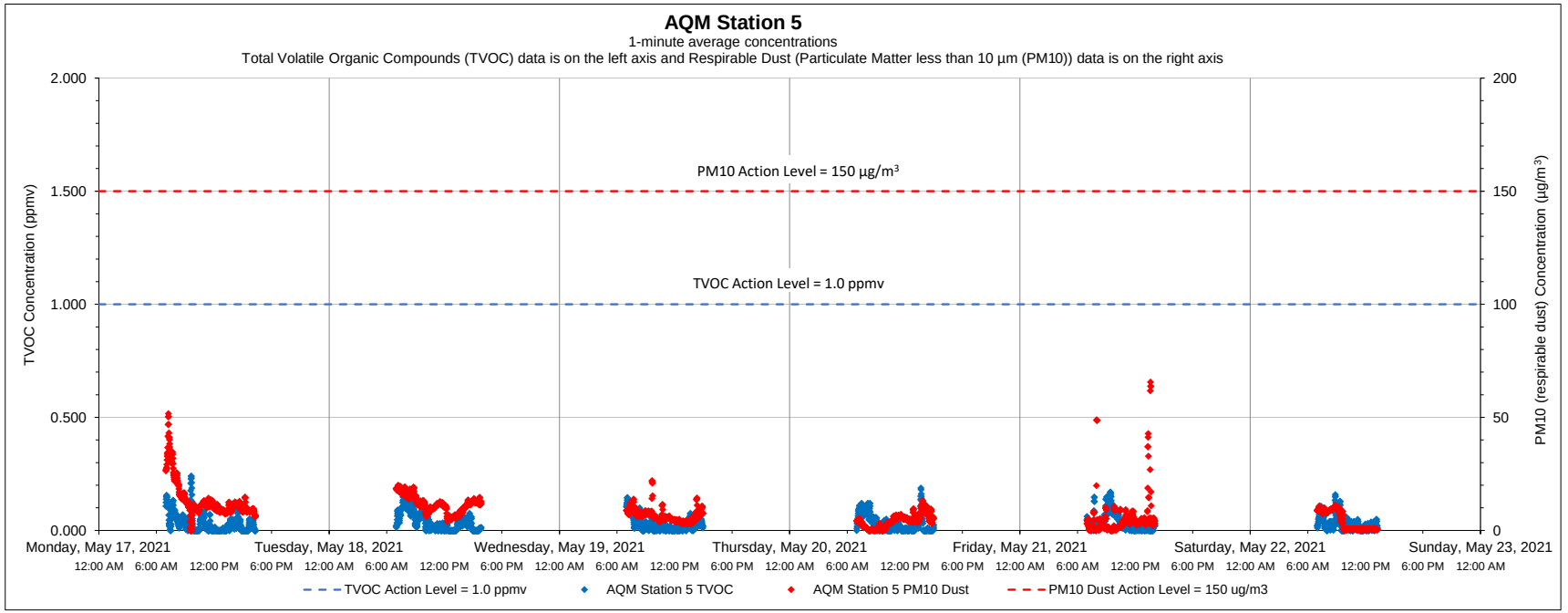

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.75	µg/m^3
PM10 maximum concentration	65.59	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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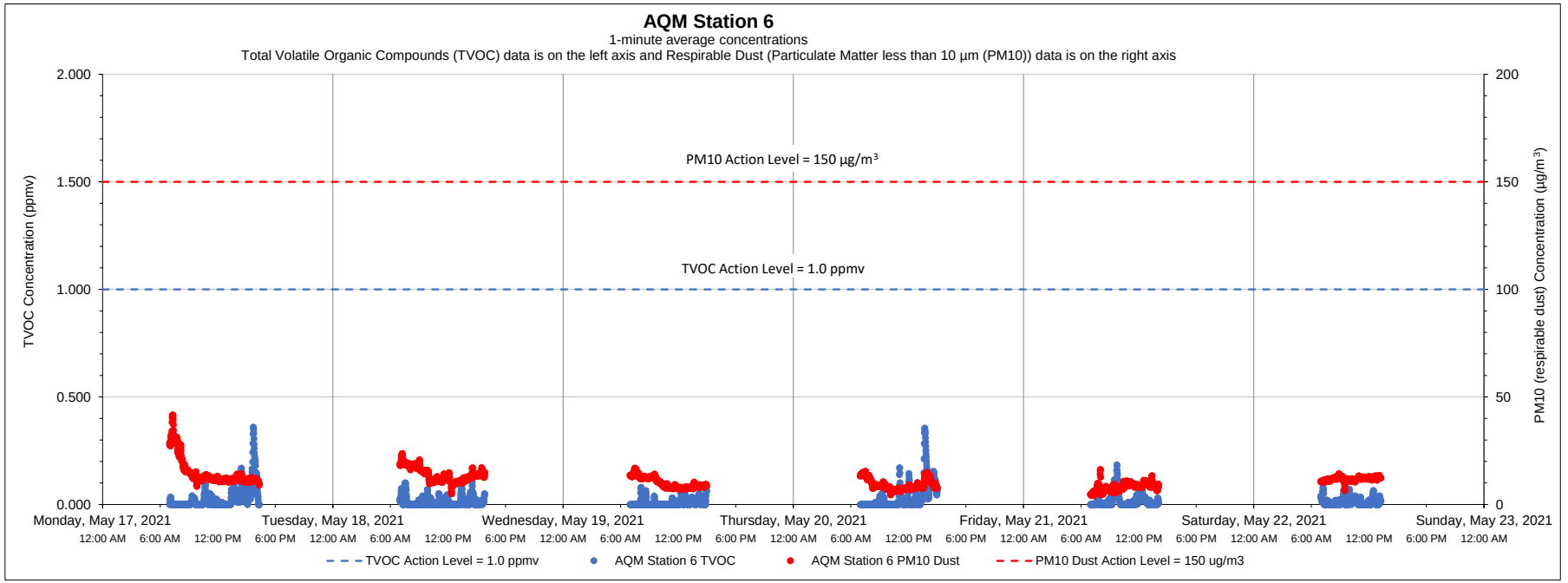

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.36	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.47	µg/m^3
PM10 maximum concentration	41.66	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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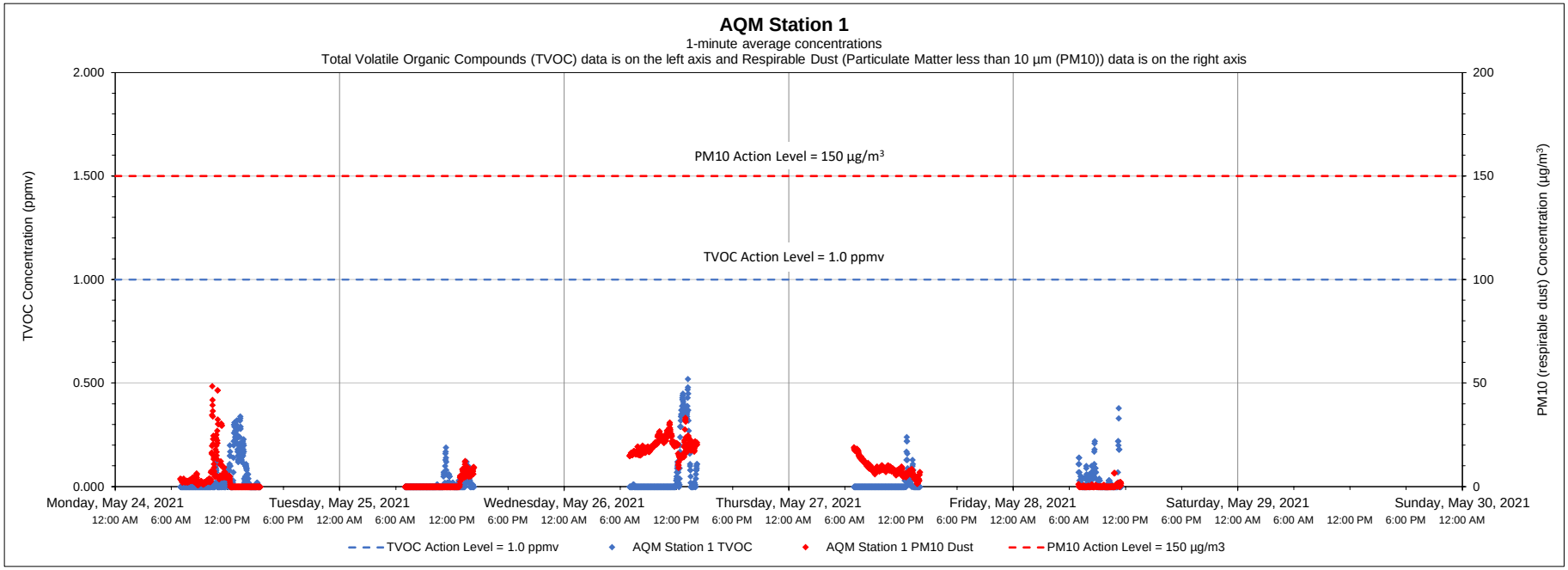

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.52	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.18	µg/m³
PM10 maximum concentration	48.62	µg/m³
PM10 action level	150	µg/m³

Notes:

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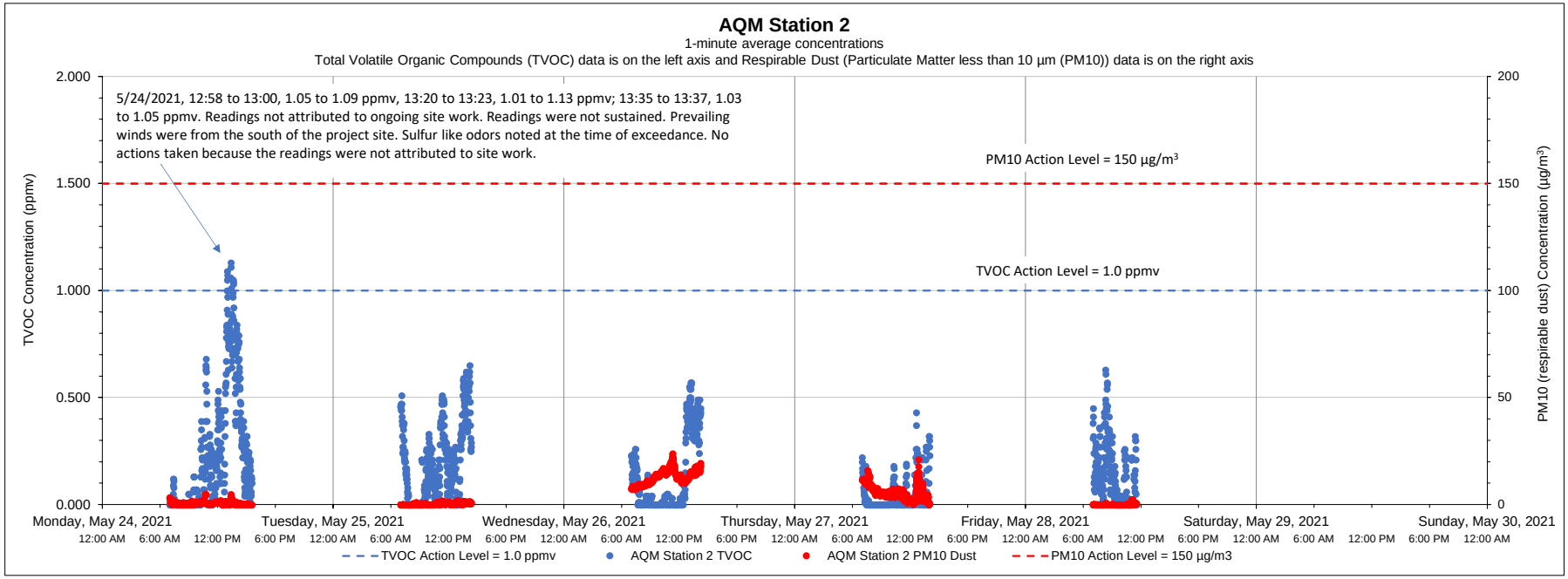

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.14	ppm
TVOCs maximum concentration	1.13	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.13	µg/m^3
PM10 maximum concentration	23.87	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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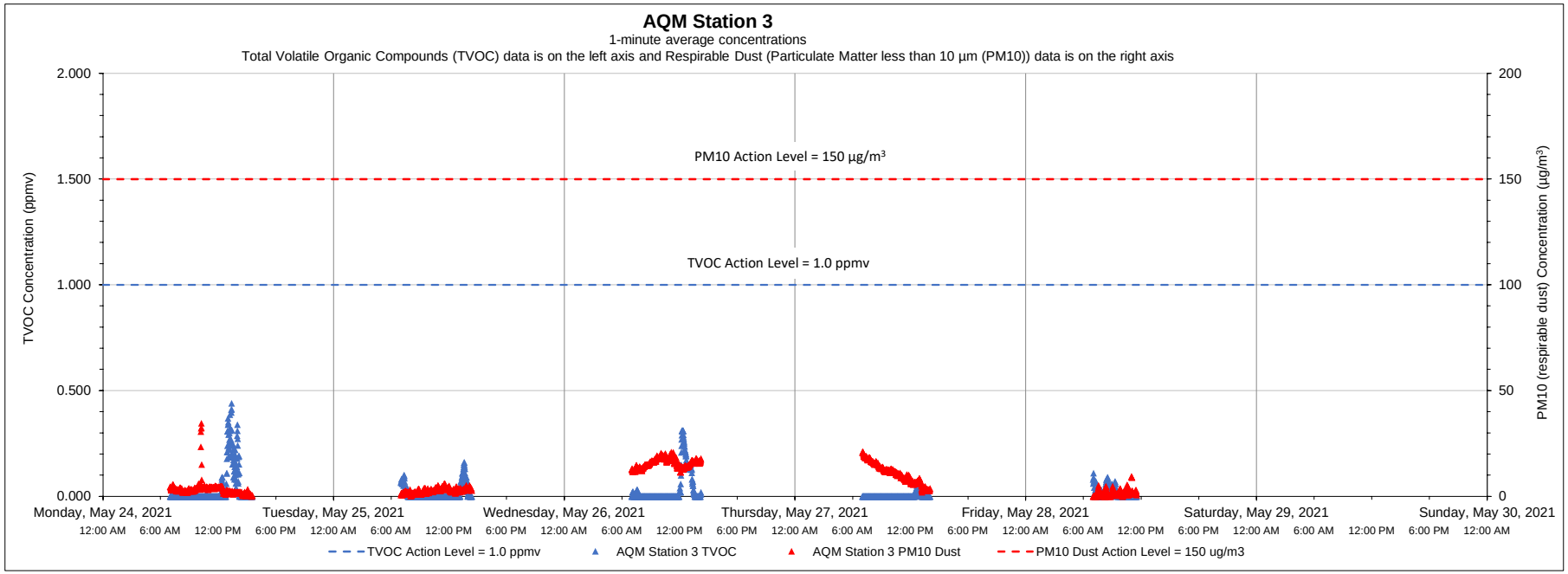

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.44	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.06	µg/m³
PM10 maximum concentration	34.46	µg/m³
PM10 action level	150	µg/m³

Notes:

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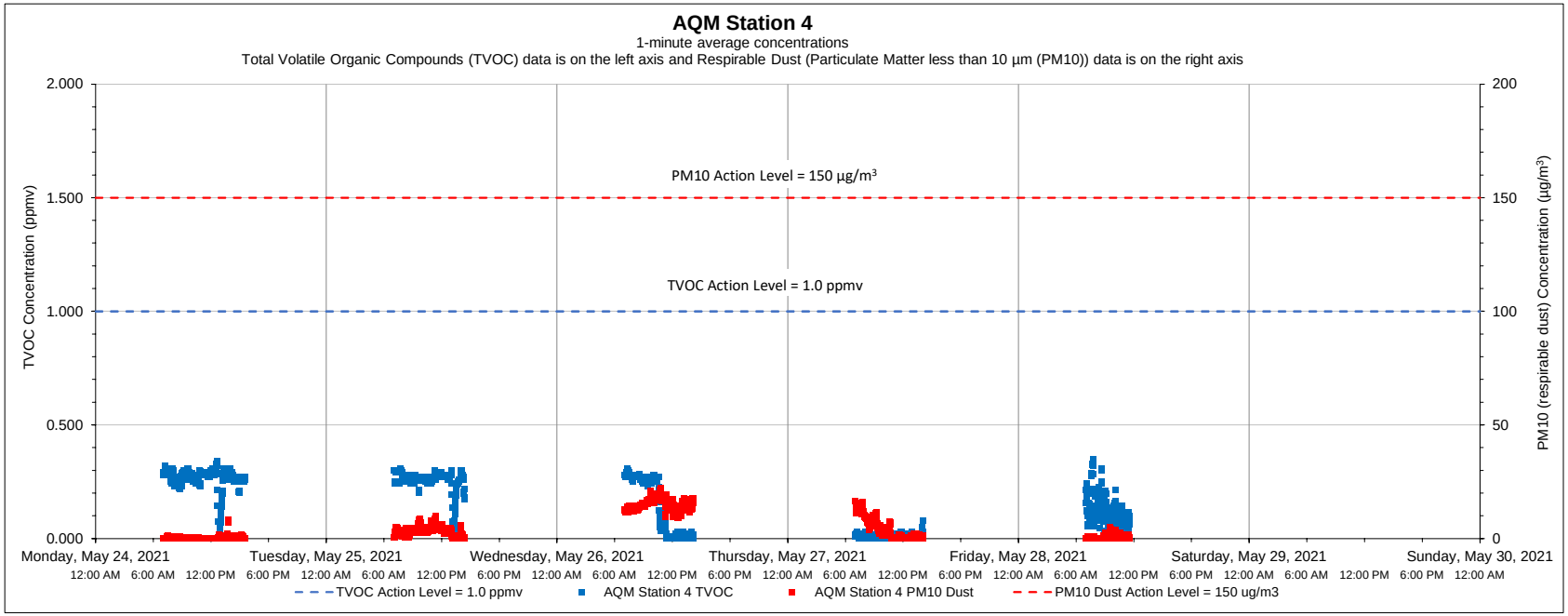

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.17	ppm
TVOCs maximum concentration	0.35	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.81	µg/m³
PM10 maximum concentration	22.40	µg/m³
PM10 action level	150	µg/m³

Notes:

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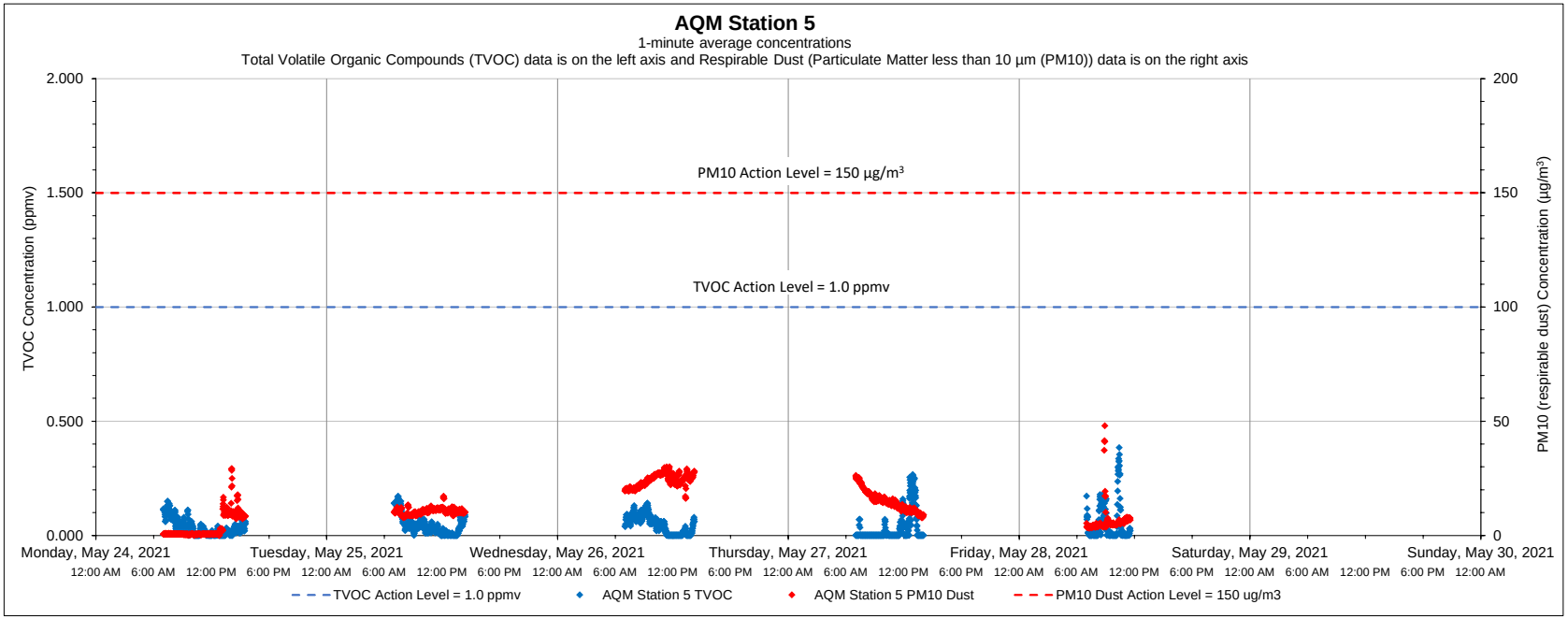

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.38	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.85	µg/m³
PM10 maximum concentration	47.96	µg/m³
PM10 action level	150	µg/m³

Notes:

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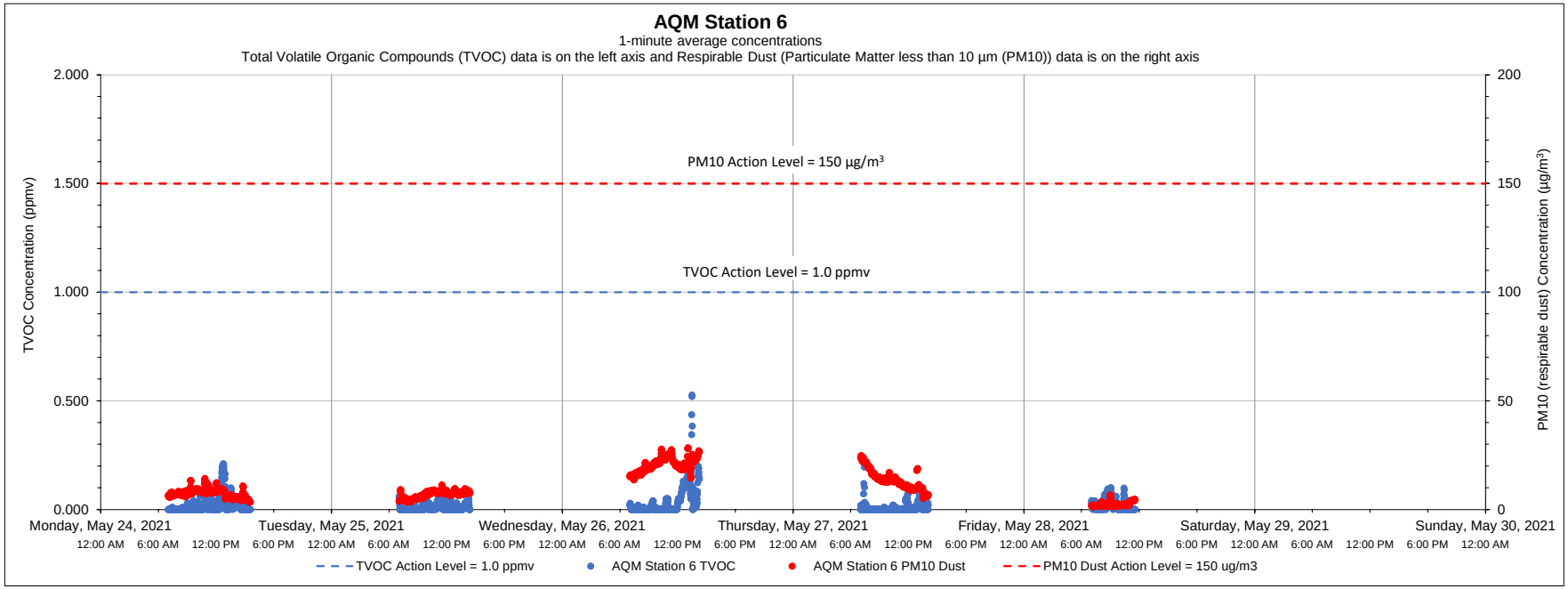

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.53	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.60	µg/m³
PM10 maximum concentration	28.40	µg/m³
PM10 action level	150	µg/m³

Notes:

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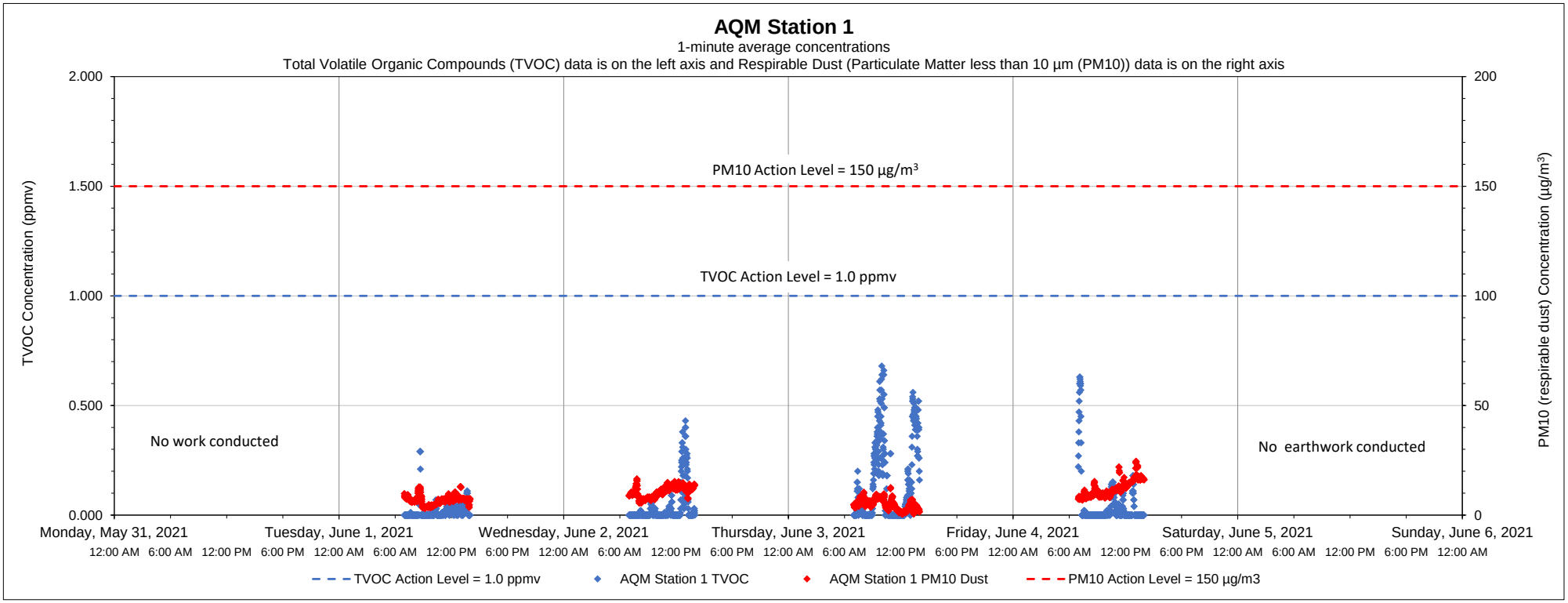

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.68	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.53	µg/m^3
PM10 maximum concentration	24.57	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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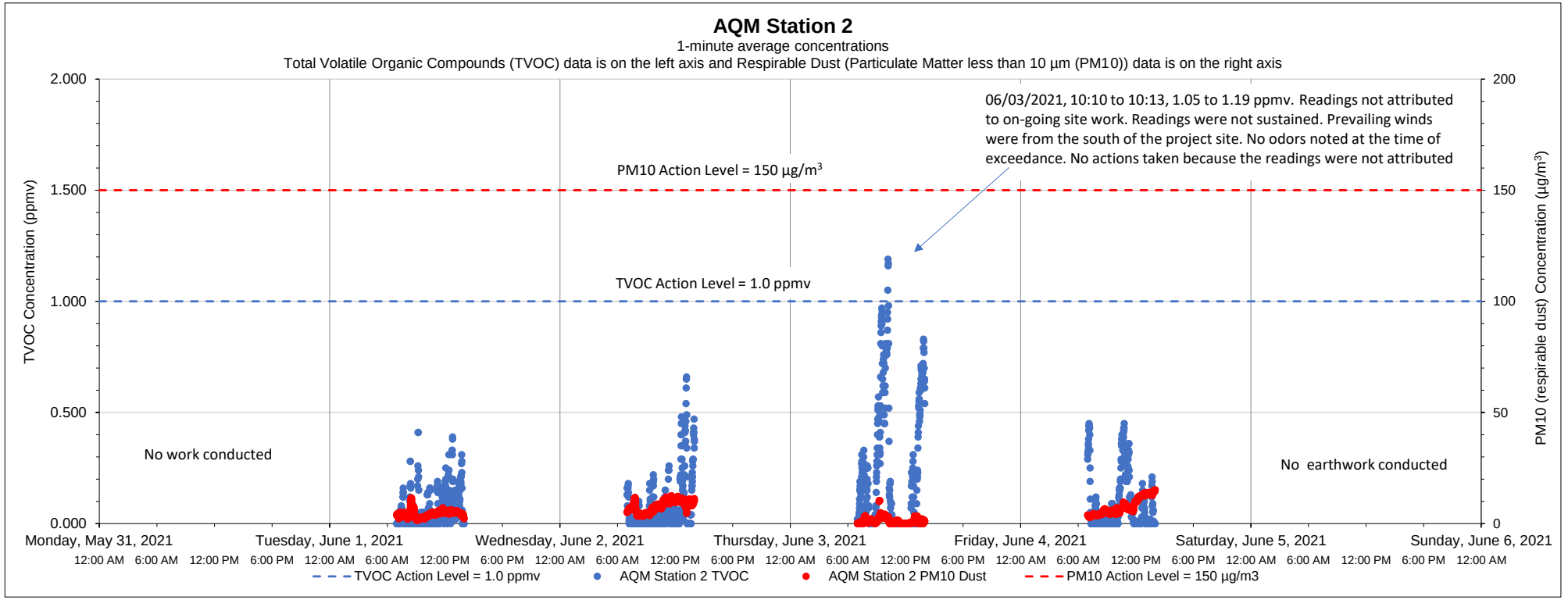

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.11	ppm
TVOCs maximum concentration	1.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.31	µg/m^3
PM10 maximum concentration	15.17	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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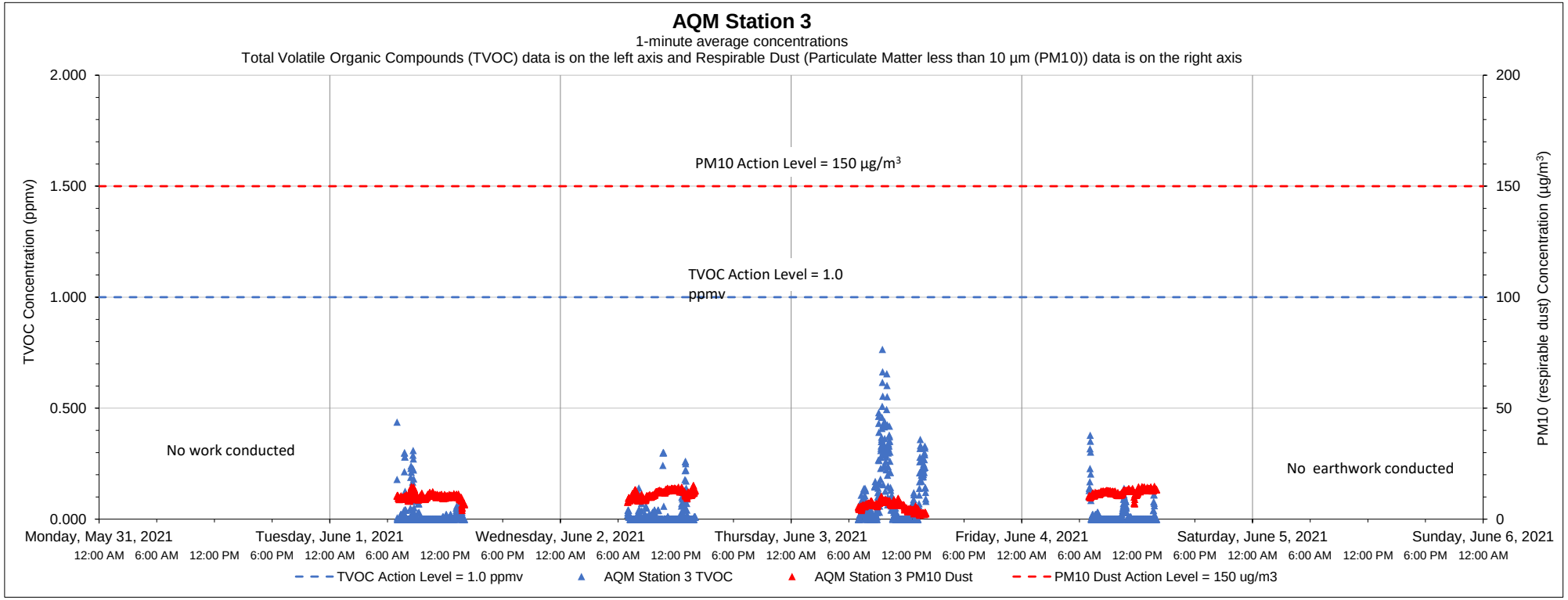

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.76	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.98	µg/m³
PM10 maximum concentration	15.22	µg/m³
PM10 action level	150	µg/m³

Notes:

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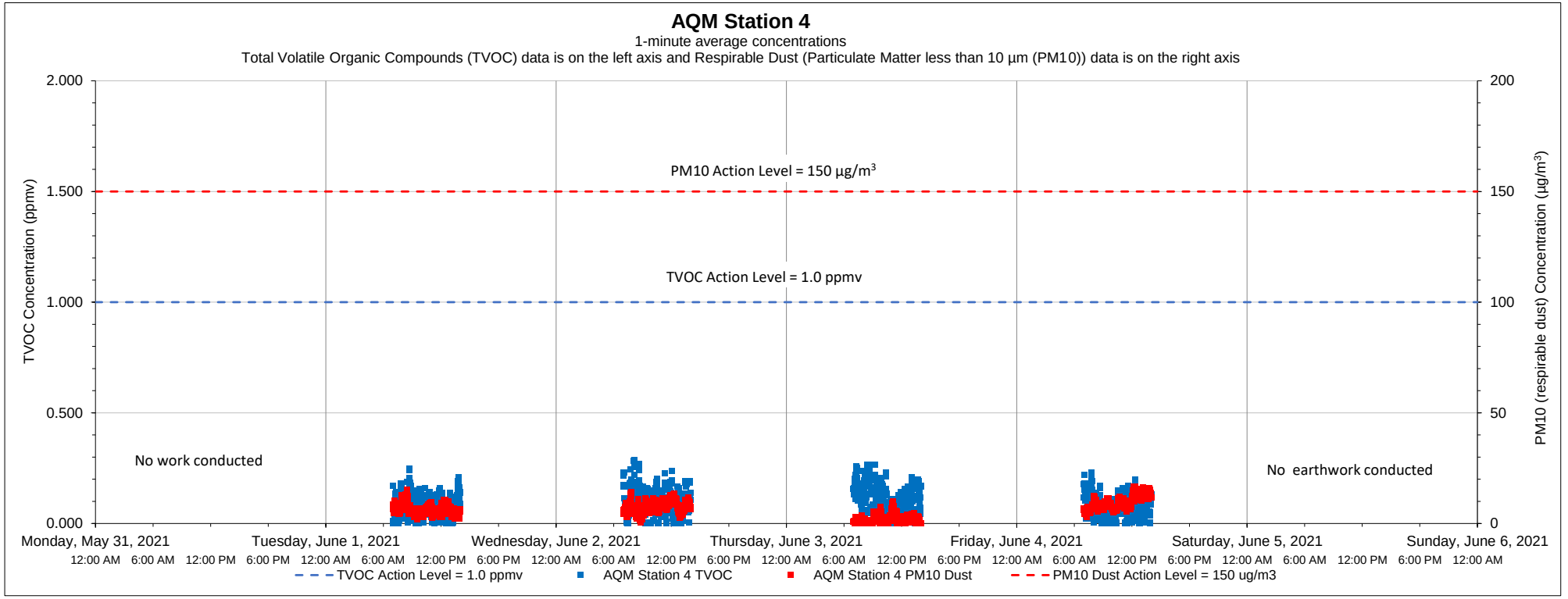

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	0.29	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.23	µg/m³
PM10 maximum concentration	16.69	µg/m³
PM10 action level	150	µg/m³

Notes:

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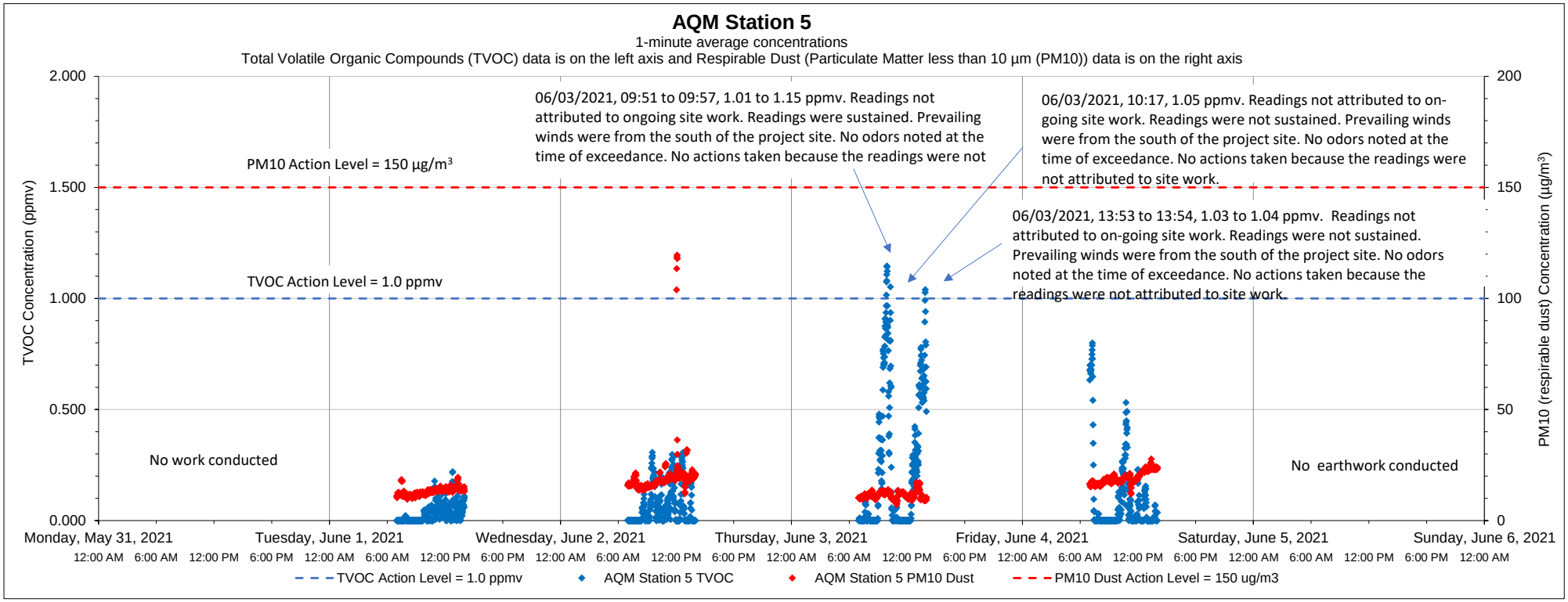


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
6/3/2021	09:51 to 09:57	TVOC	1.01 to 1.15 ppmv	No actions taken because the readings were not attributed to site work

Data Summary Statistics		
TVOCs average concentration	0.10	ppm
TVOCs maximum concentration	1.15	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.67	µg/m³
PM10 maximum concentration	119.45	µg/m³
PM10 action level	150	µg/m³

Equipment Notes
None

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

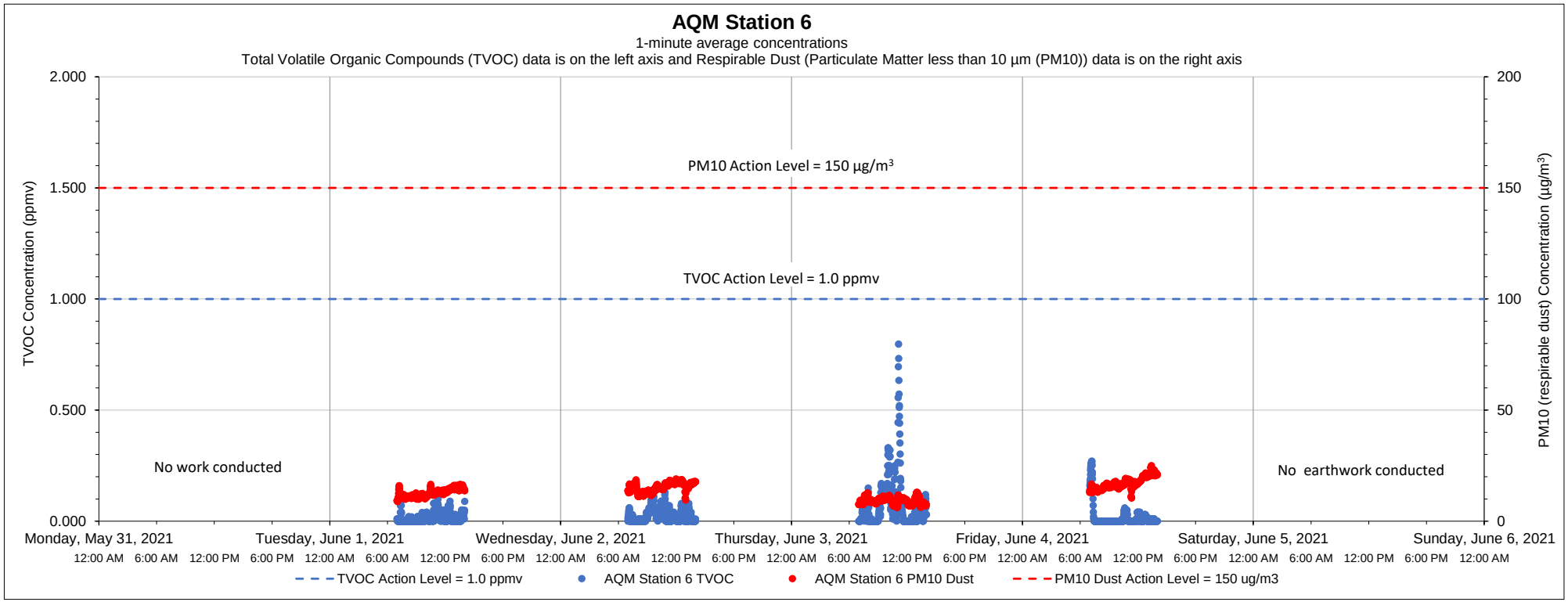
GZA Job No. 03.0033554.04

6/07/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.80	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.53	µg/m³
PM10 maximum concentration	25.01	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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GZA Job No. 03.0033554.04

6/14/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

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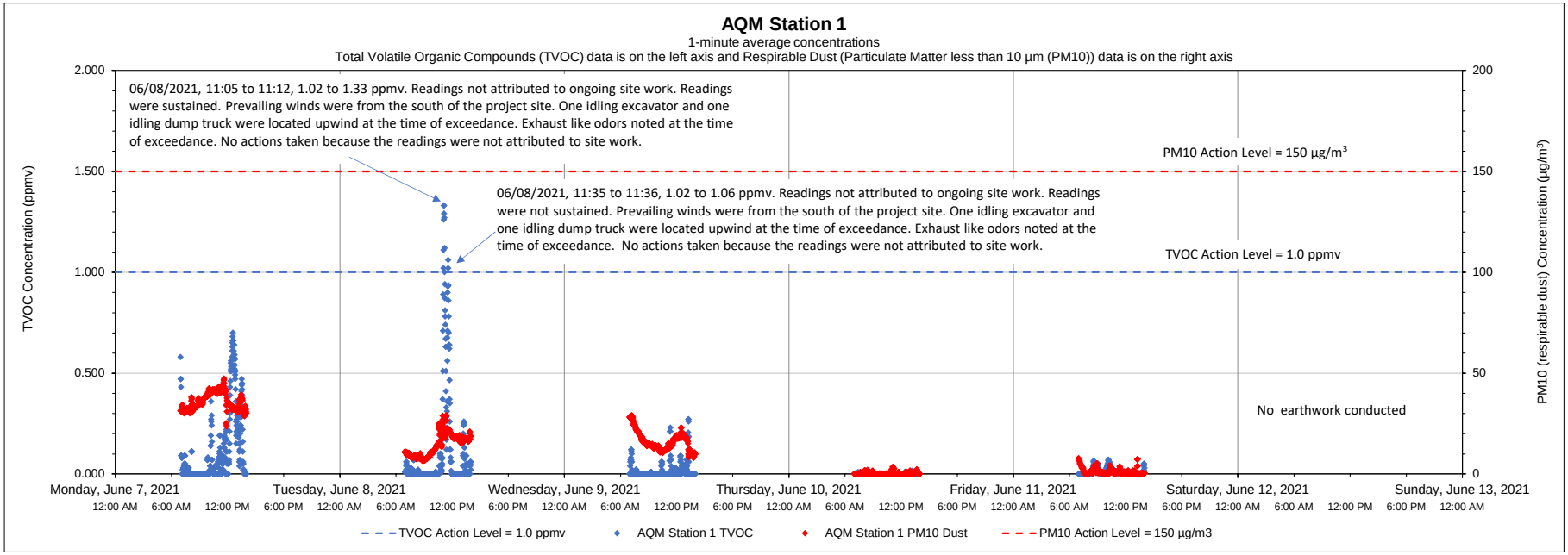

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
6/8/2021	11:05 to 11:12	TVOC	1.02 to 1.33 ppmv	No actions taken because the readings were not attributed to site work.

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.33	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.47	µg/m³
PM10 maximum concentration	47.33	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

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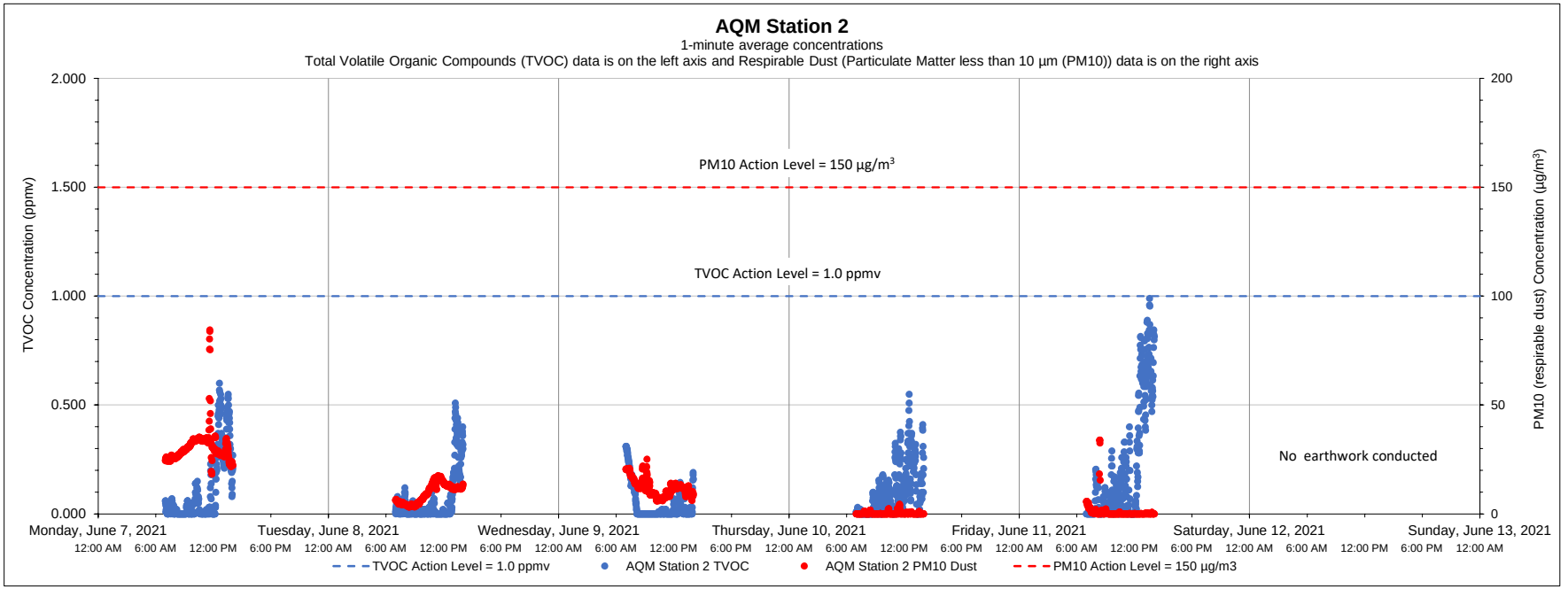

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.10	ppm
TVOCs maximum concentration	0.99	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.48	µg/m³
PM10 maximum concentration	84.54	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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Liquefaction Facility Project -

6/14/2021

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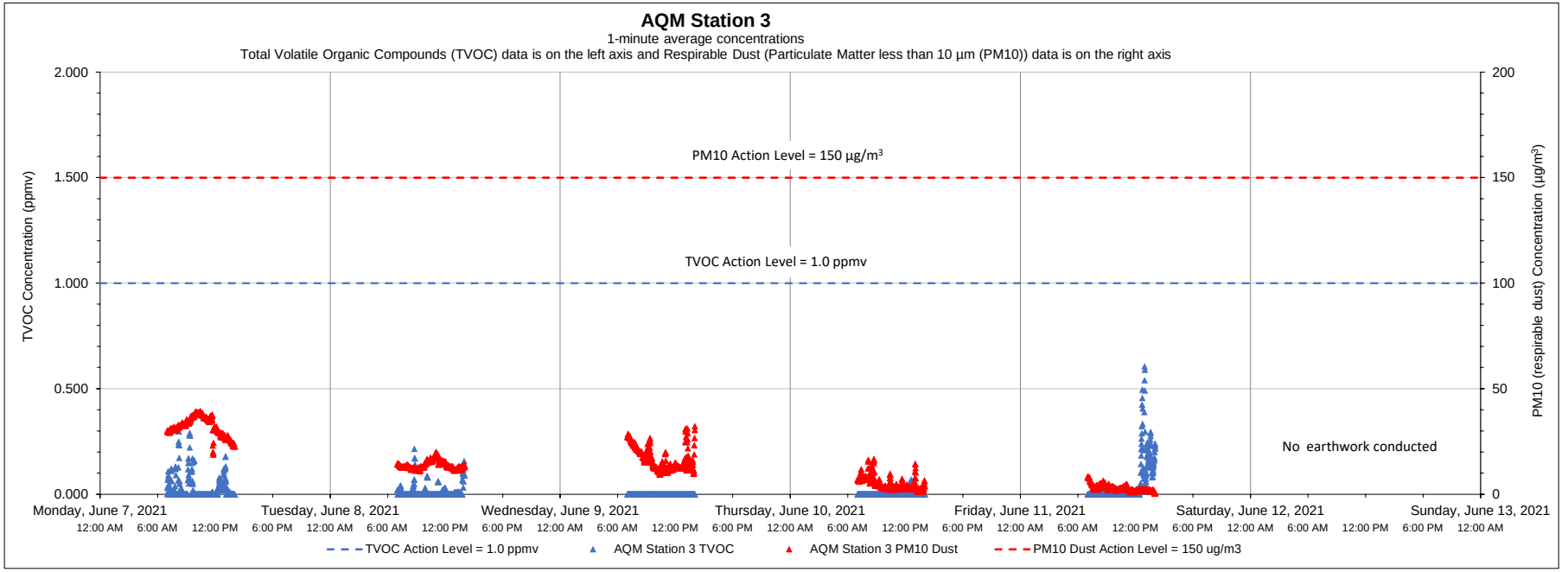

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.61	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.09	µg/m^3
PM10 maximum concentration	39.51	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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STRAP Perimeter Air Quality Monitoring (AQM)

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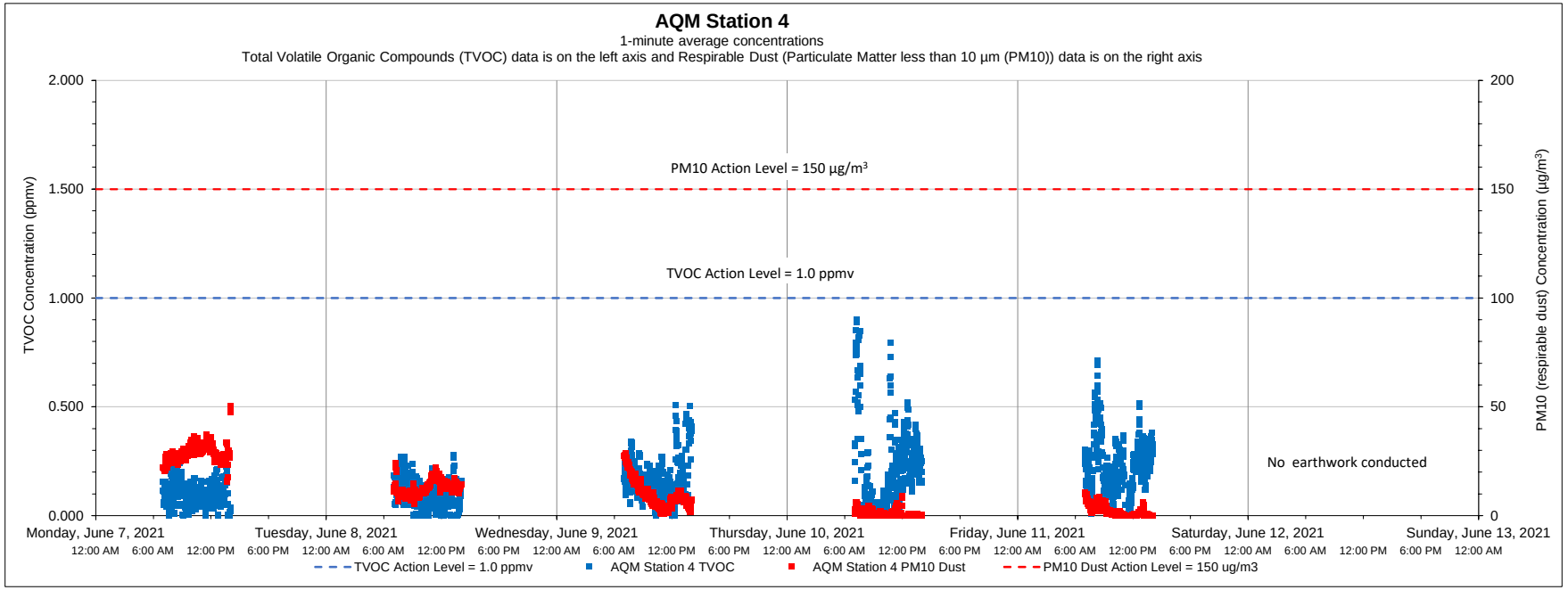

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.16	ppm
TVOCs maximum concentration	0.90	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.86	µg/m^3
PM10 maximum concentration	50.31	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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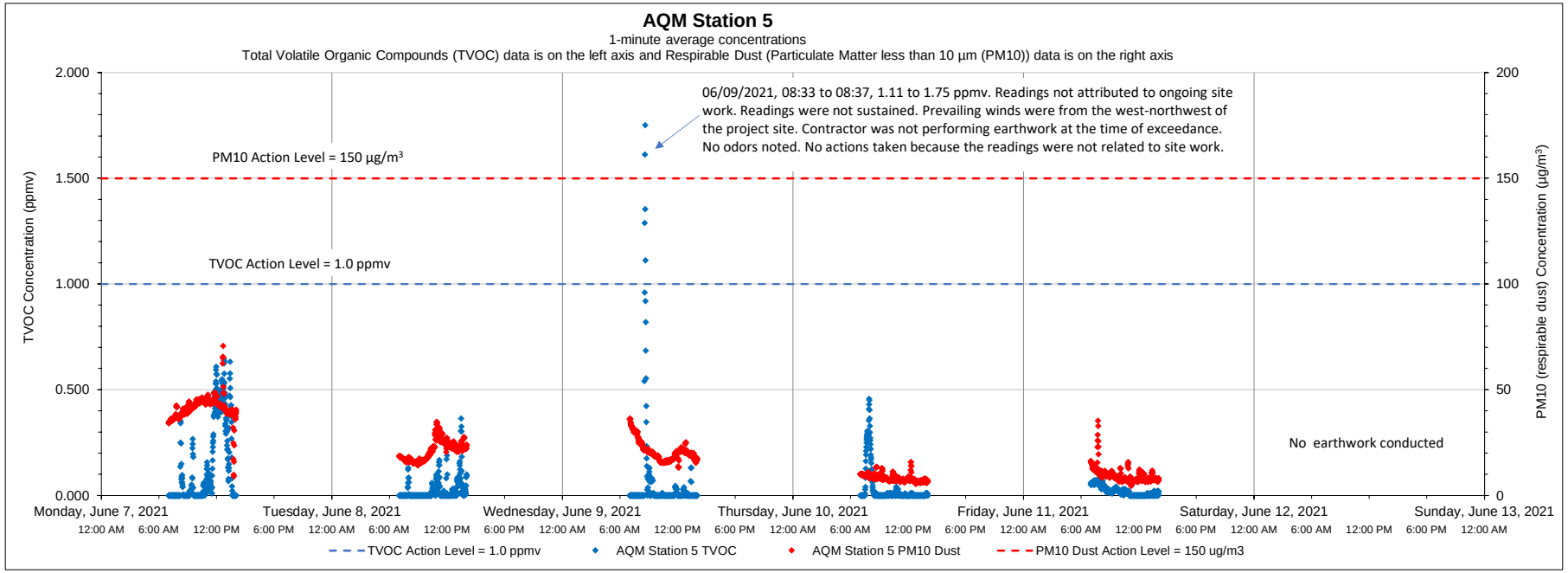

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.75	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.04	µg/m³
PM10 maximum concentration	70.71	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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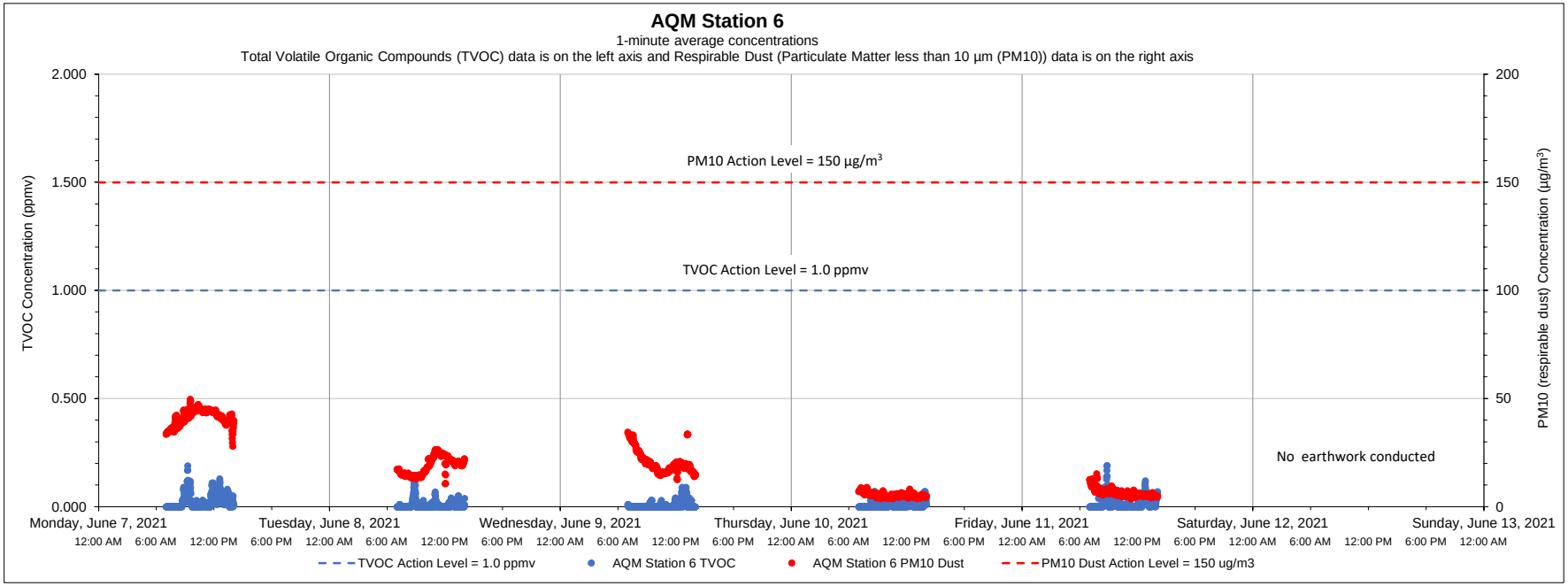

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.46	µg/m³
PM10 maximum concentration	49.78	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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6/21/2021

Liquefaction Facility Project -

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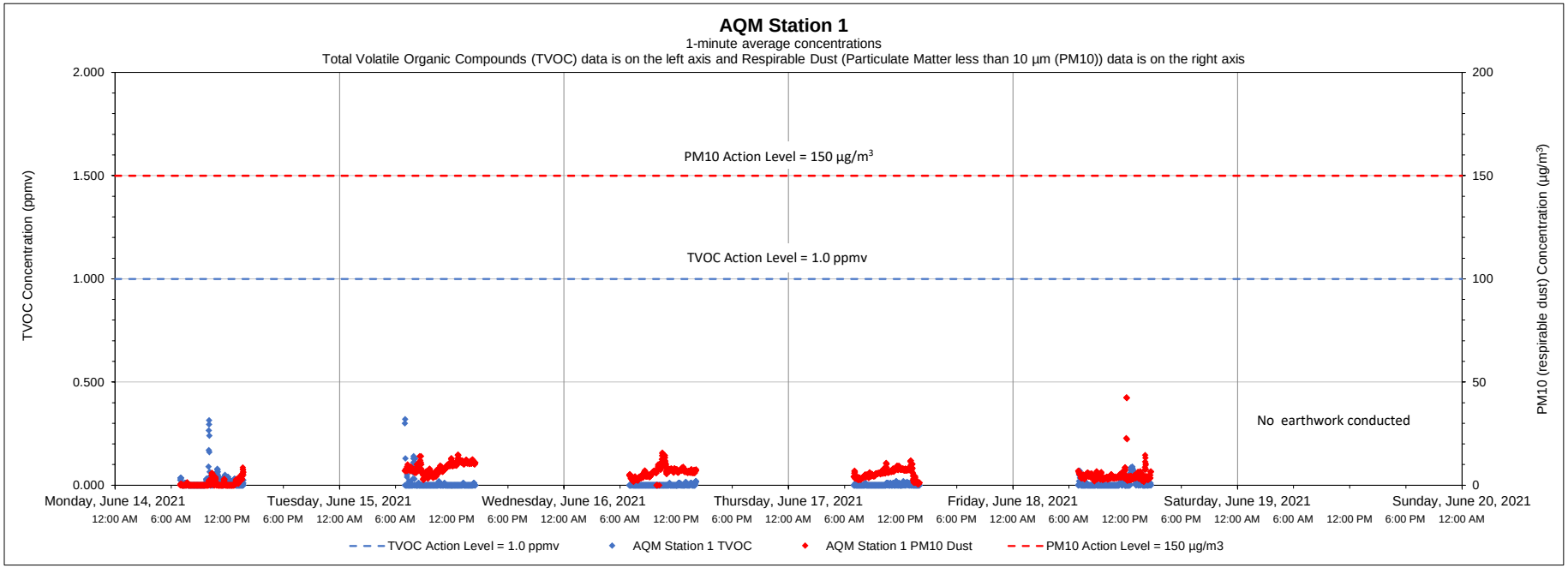

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.24	µg/m³
PM10 maximum concentration	42.53	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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STRAP Perimeter Air Quality Monitoring (AQM)

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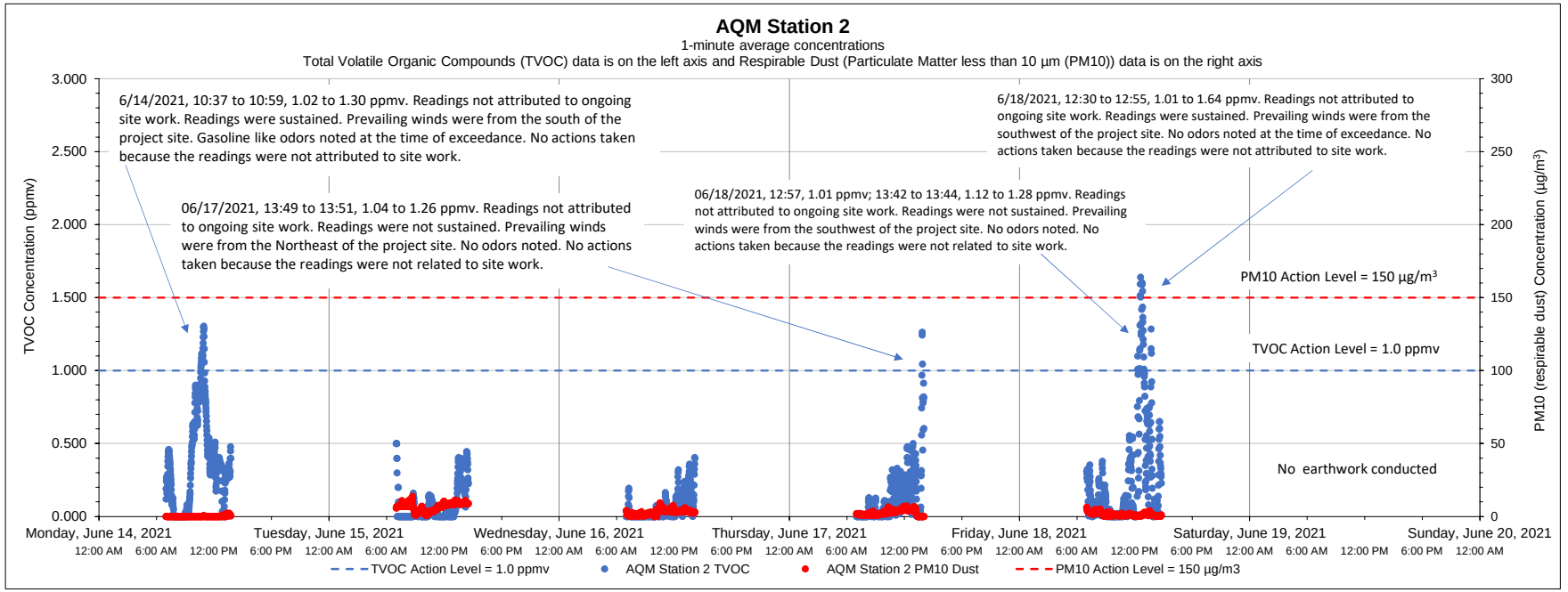

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
6/14/2021	10:37 to 10:59	TVOC	1.02 to 1.30 ppmv	No actions taken because the readings were not attributed to site work
6/18/2021	12:30 to 12:55	TVOC	1.01 to 1.64 ppmv	No actions taken because the readings were not attributed to site work

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.17	ppm
TVOCs maximum concentration	1.64	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.89	µg/m³
PM10 maximum concentration	14.00	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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Liquefaction Facility Project -

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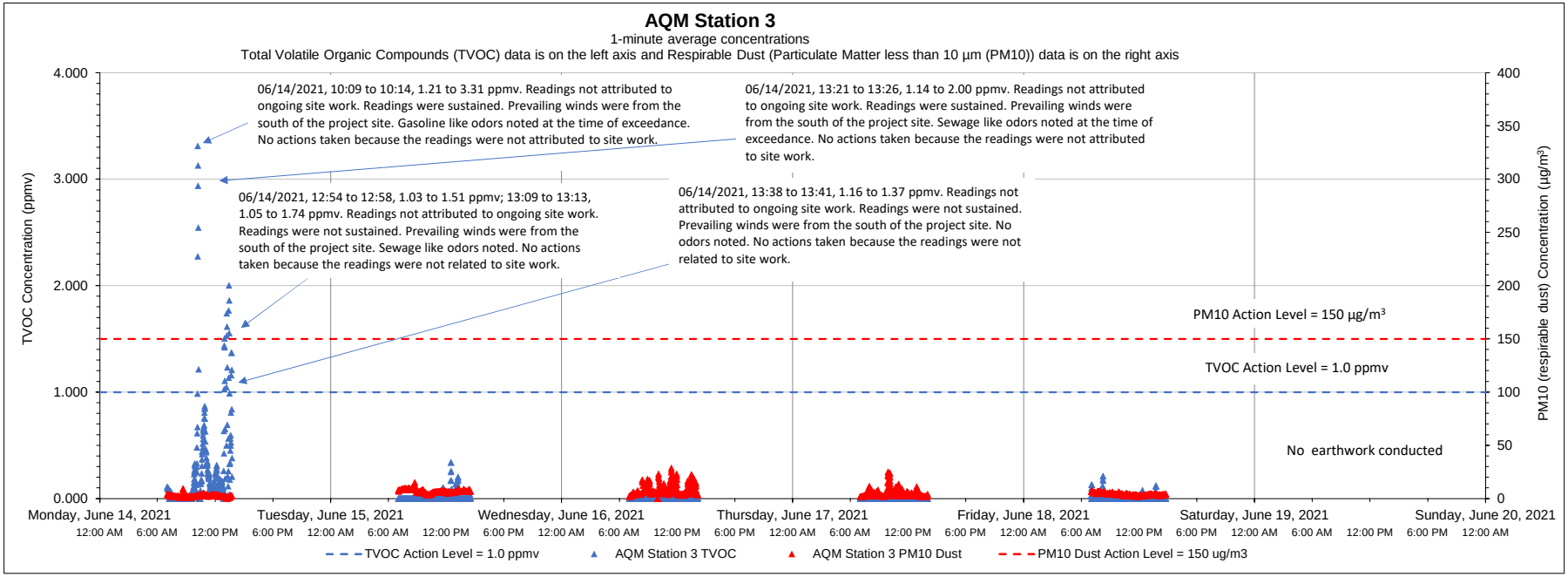

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
6/14/2021	10:09 to 10:14	TVOC	1.21 to 3.31 ppmv	No actions taken because the readings were not attributed to site work
6/14/2021	13:21 to 13:26	TVOC	1.14 to 2.00 ppmv	No actions taken because the readings were not attributed to site work

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	3.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.38	µg/m³
PM10 maximum concentration	28.86	µg/m³
PM10 action level	150	µg/m³

Notes:

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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Liquefaction Facility Project -

6/21/2021

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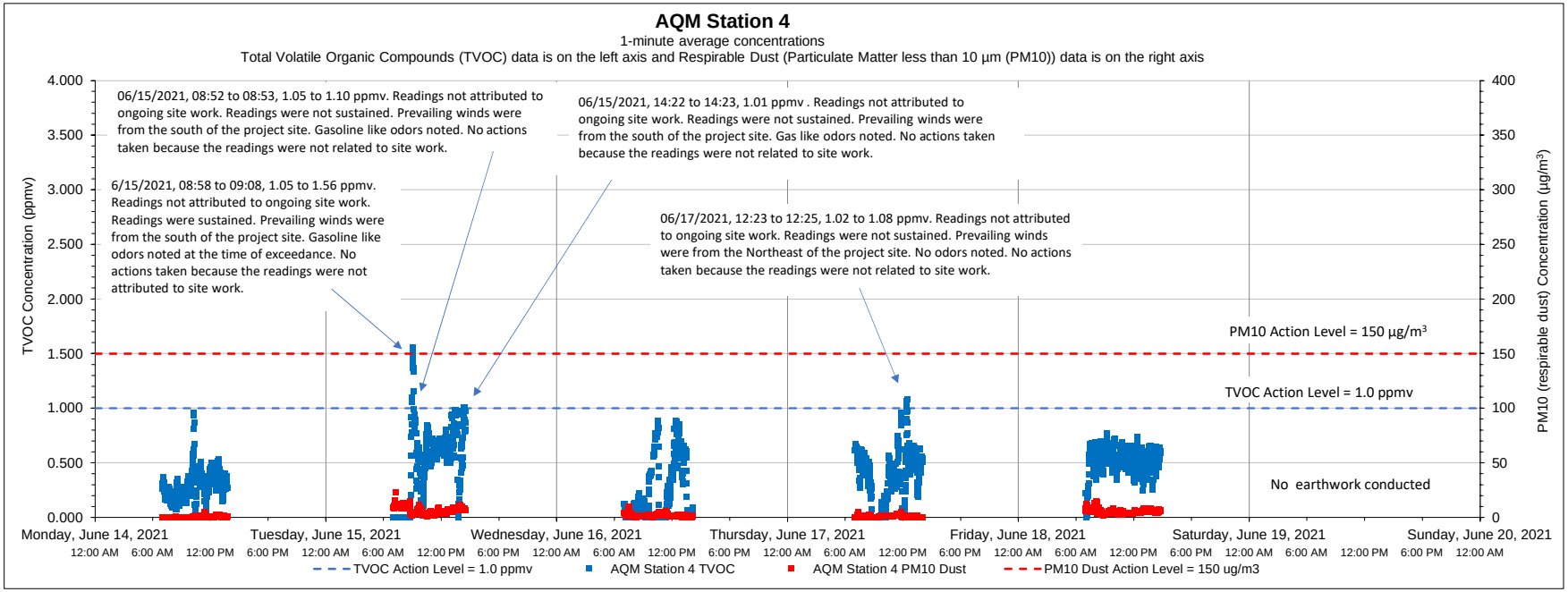

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
6/15/2021	08:58 to 09:08	TVOC	1.05 to 1.56 ppmv	No actions taken because the readings were not related to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.41	ppm
TVOCs maximum concentration	1.56	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.13	µg/m³
PM10 maximum concentration	23.00	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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6/21/2021

Liquefaction Facility Project -

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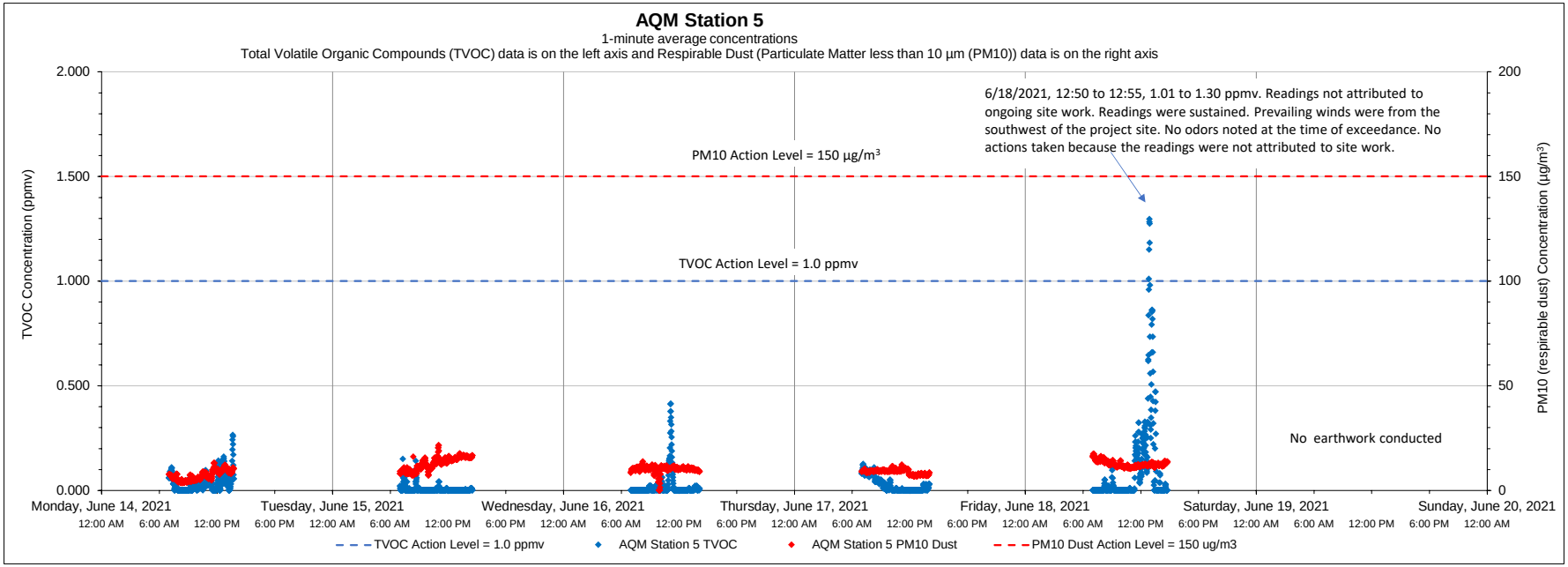

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
6/18/2021	12:50 to 12:55	TVOC	1.01 to 1.30 ppmv	No actions taken because the readings were not attributed to site work

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.30	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.38	µg/m^3
PM10 maximum concentration	21.56	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

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6/21/2021

Liquefaction Facility Project -

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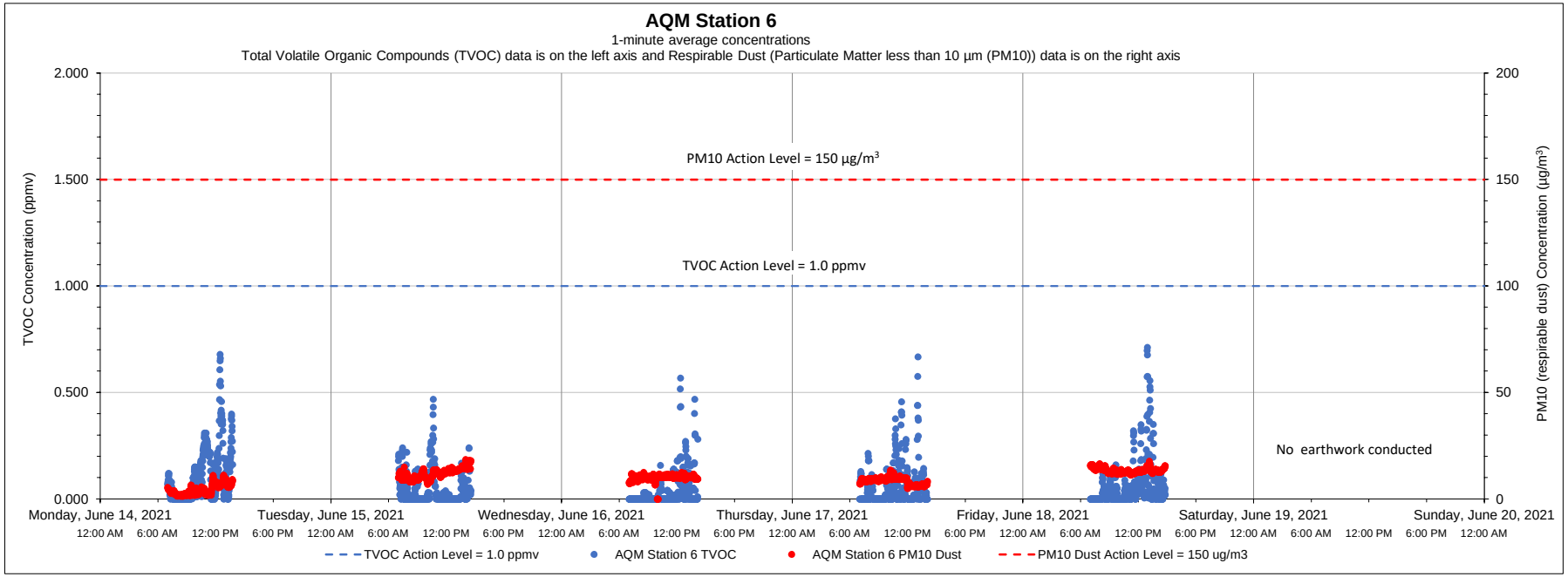

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.71	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.75	µg/m³
PM10 maximum concentration	18.55	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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GZA Job No. 03.0033554.04

6/28/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

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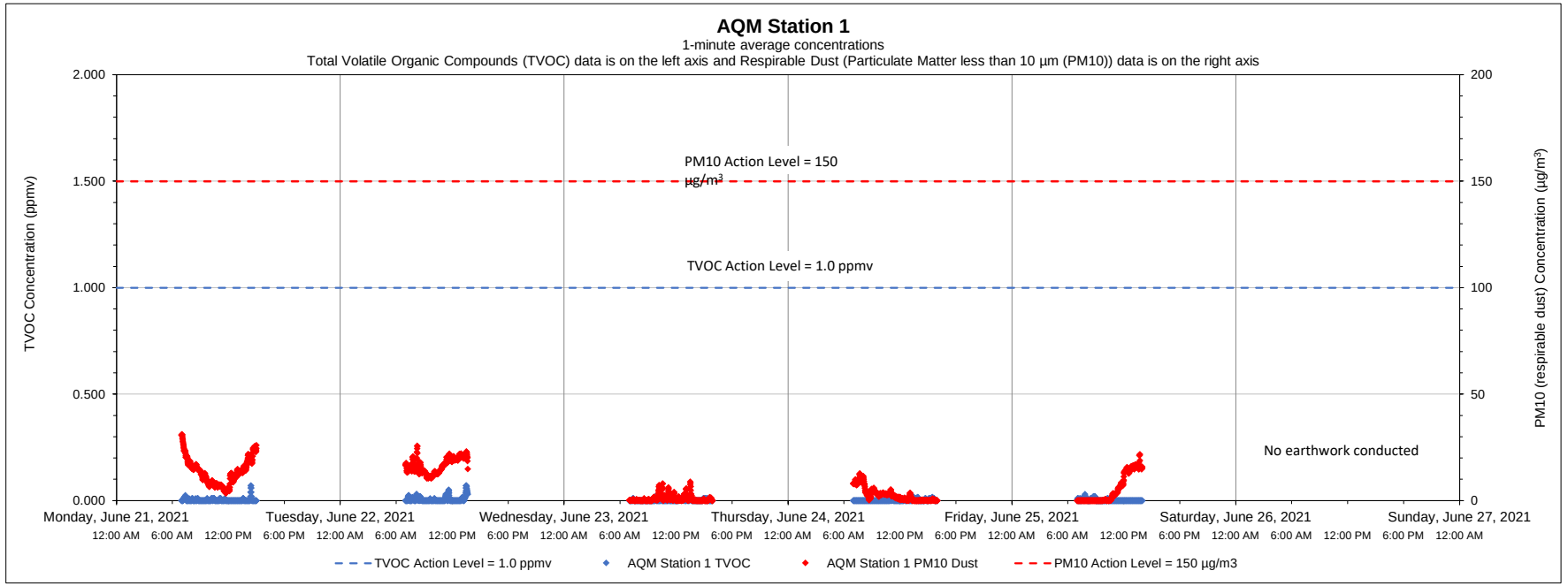

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.07	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.21	µg/m³
PM10 maximum concentration	31.08	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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6/28/2021

Liquefaction Facility Project -

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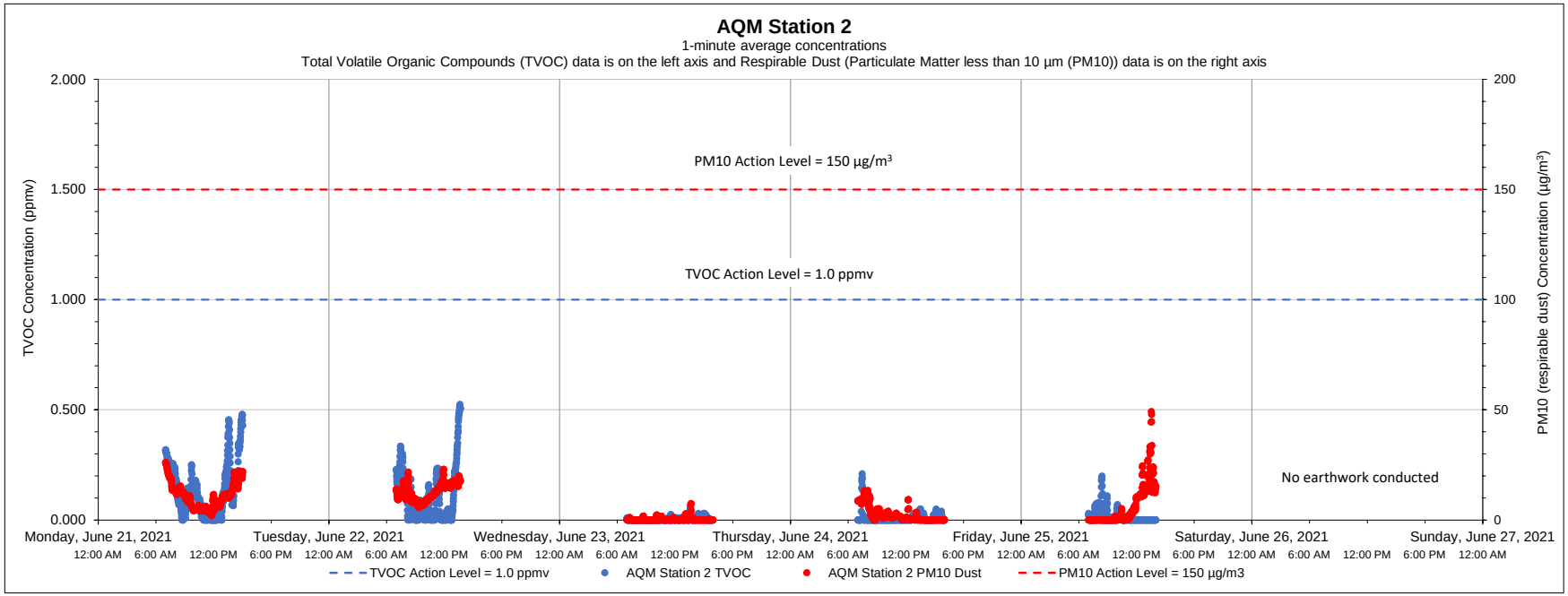

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.52	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.85	µg/m³
PM10 maximum concentration	49.32	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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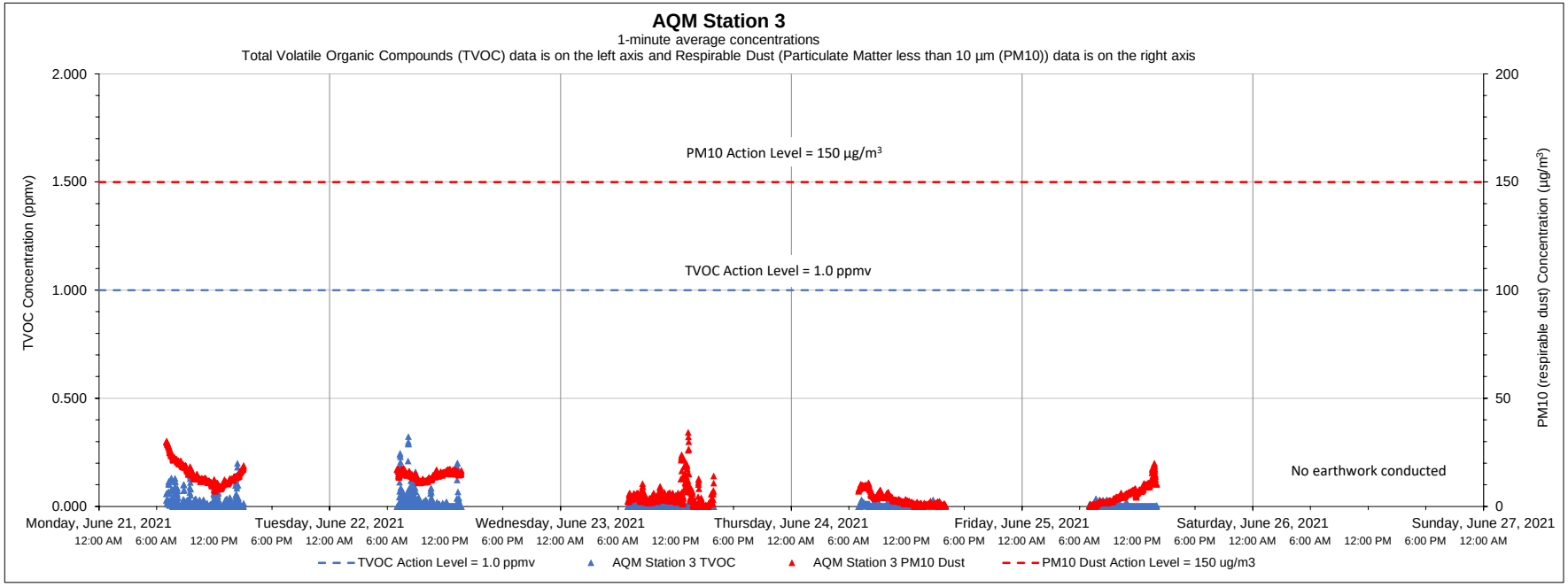


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.28	µg/m^3
PM10 maximum concentration	34.23	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

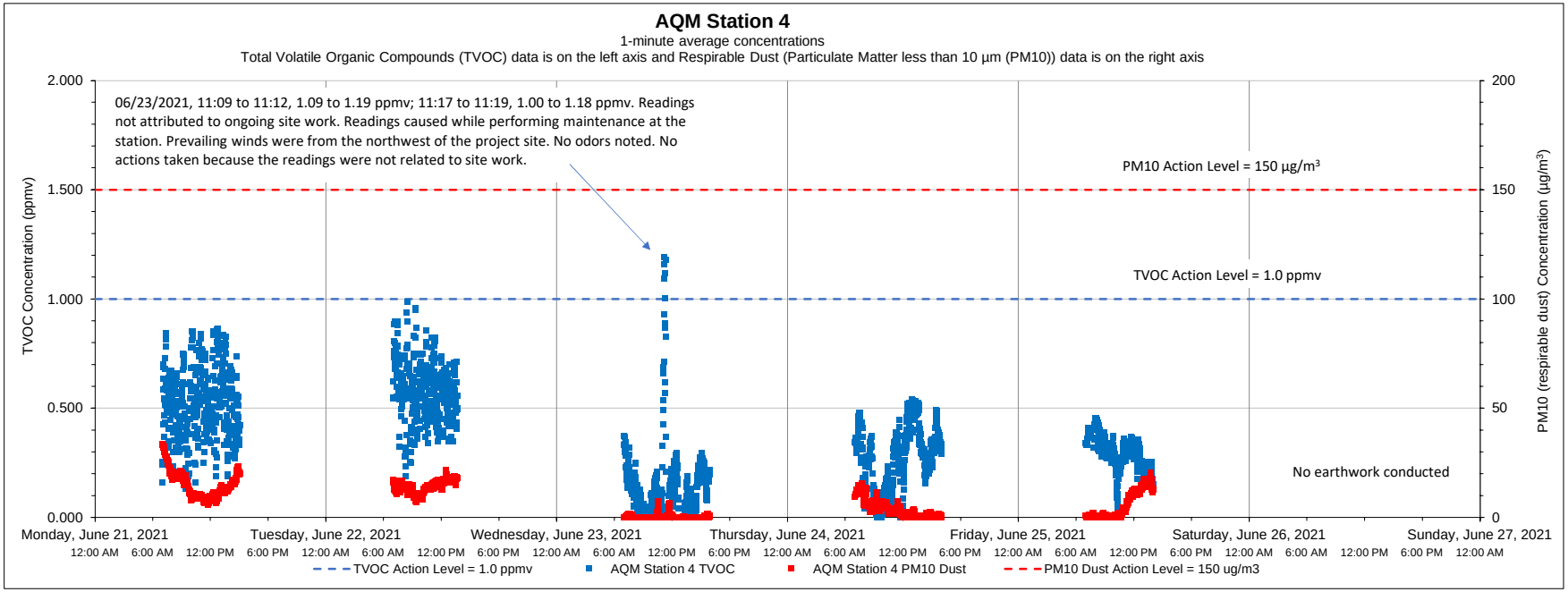
GZA Job No. 03.0033554.04

6/28/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.35	ppm
TVOCs maximum concentration	1.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.27	µg/m^3
PM10 maximum concentration	33.39	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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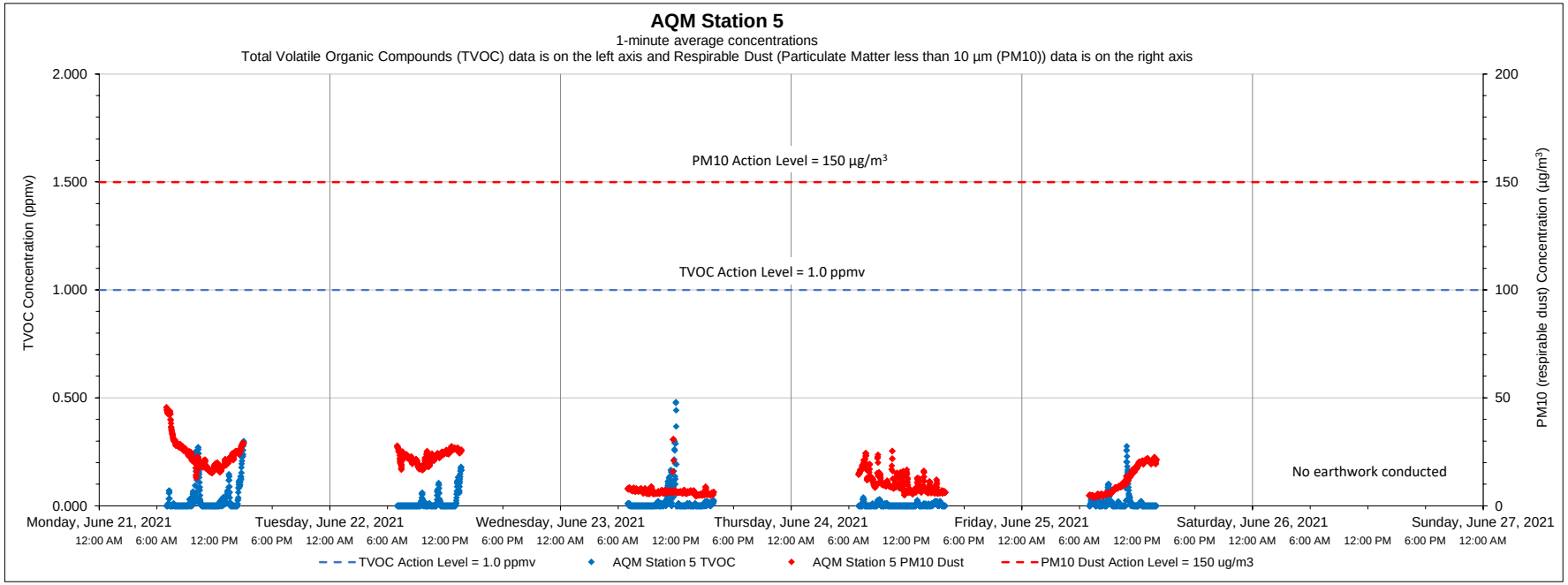

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.53	µg/m³
PM10 maximum concentration	45.72	µg/m³
PM10 action level	150	µg/m³

Notes:

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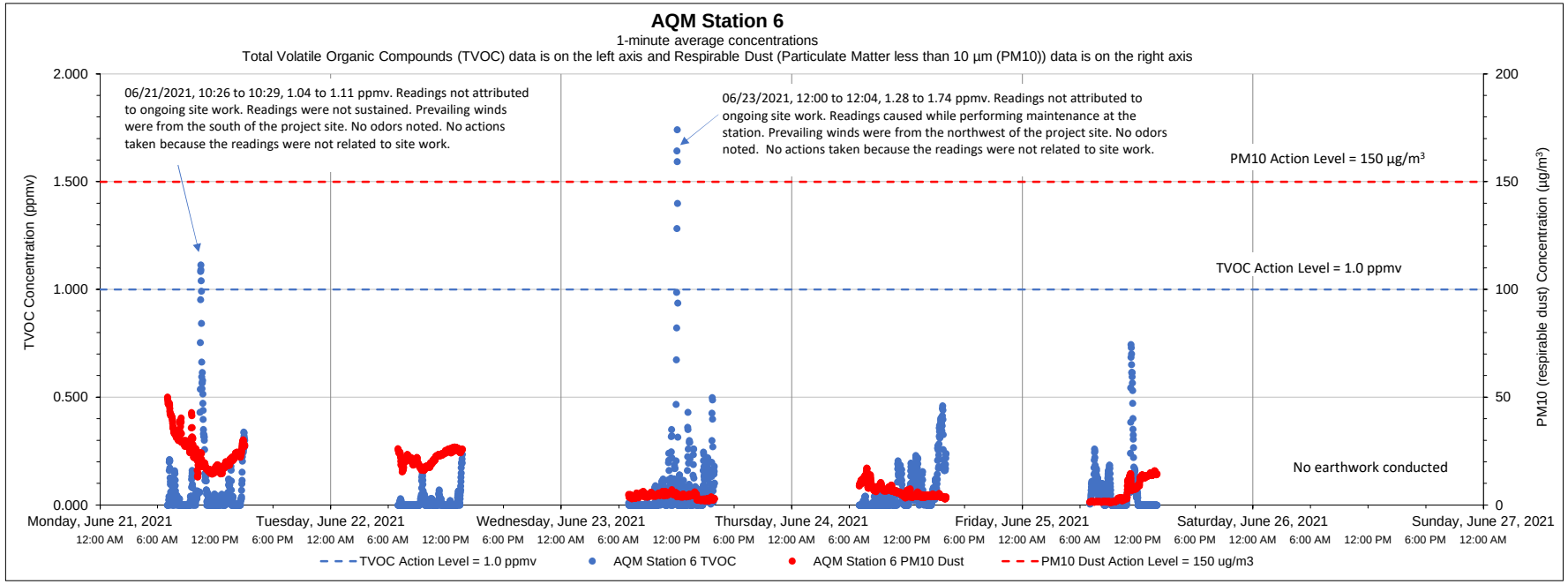

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.74	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.14	µg/m³
PM10 maximum concentration	50.04	µg/m³
PM10 action level	150	µg/m³

Notes:

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7/06/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

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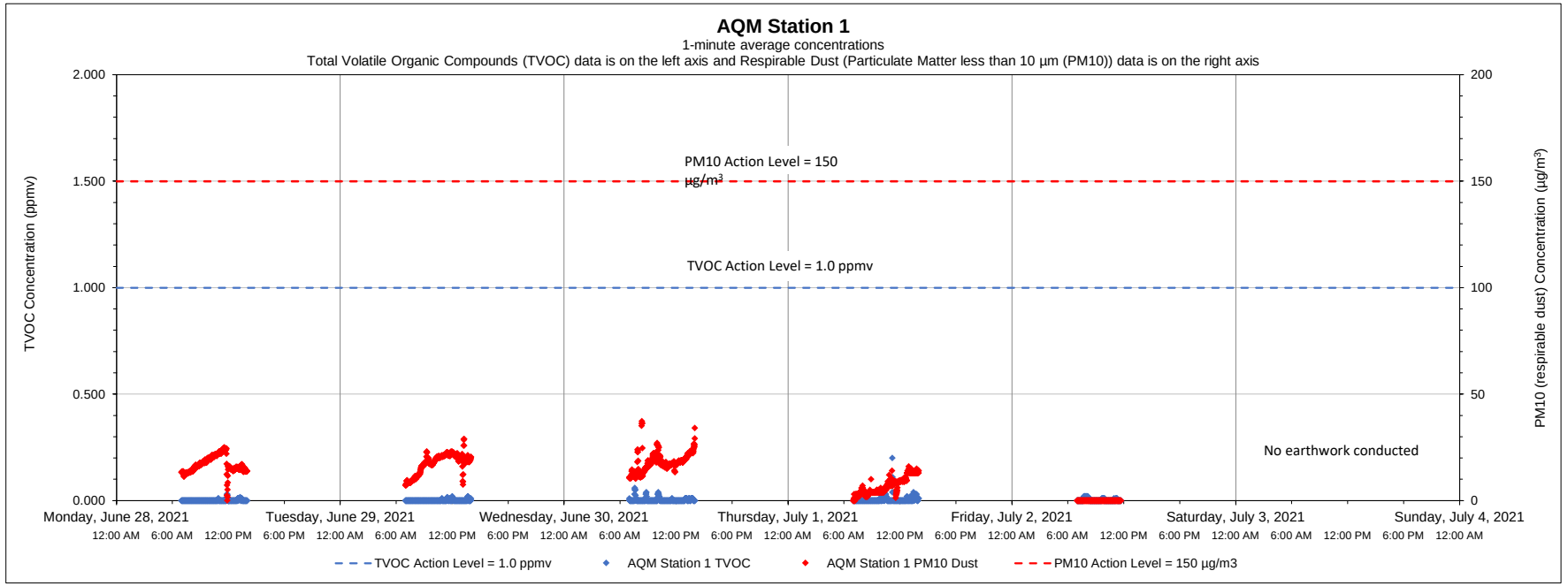

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.66	µg/m³
PM10 maximum concentration	37.32	µg/m³
PM10 action level	150	µg/m³

Notes:

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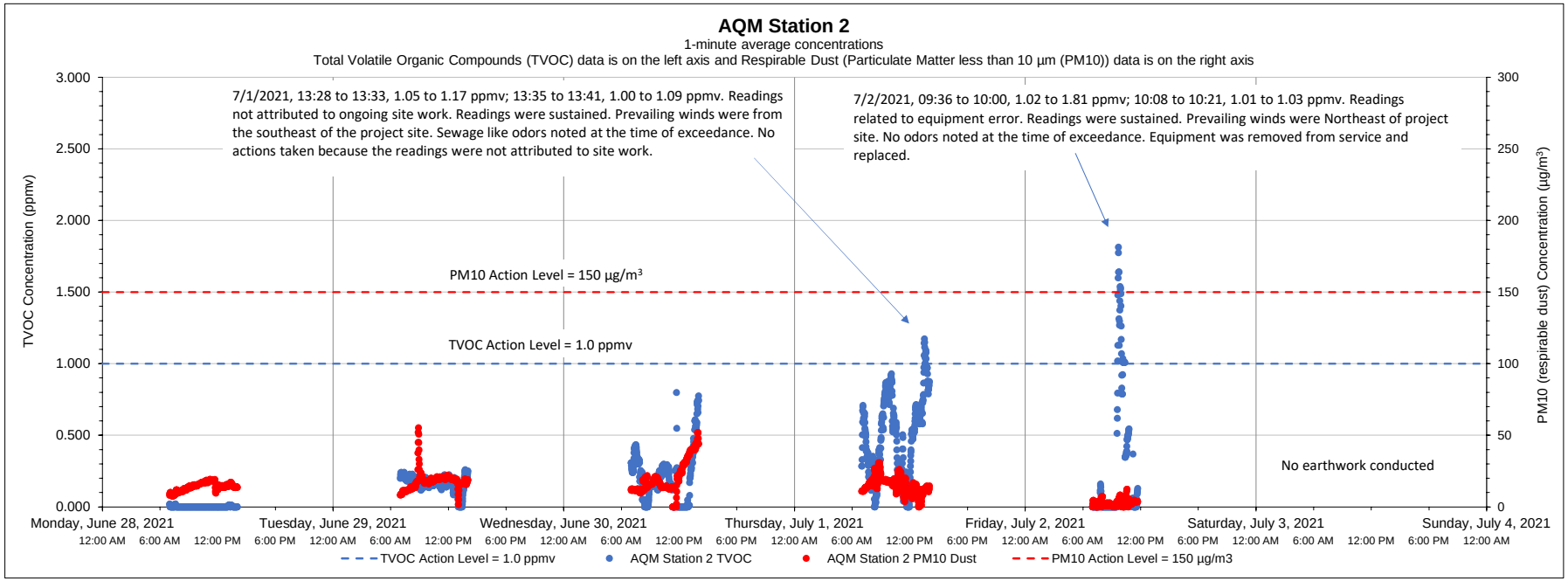

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
7/1/2021	13:28 to 13:33	TVOC	1.05 to 1.17 ppmv	No actions taken because the readings were not attributed to site work
7/1/2021	13:35 to 13:41	TVOC	1.00 to 1.09 ppmv	No actions taken because the readings were not attributed to site work
7/2/2021	09:36 to 10:00	TVOC	1.02 to 1.81 ppmv	No actions taken because the readings were not attributed to site work
7/2/2021	10:08 to 10:21	TVOC	1.01 to 1.03 ppmv	No actions taken because the readings were not attributed to site work
Equipment Notes				
7/2/2021 -Equipment error caused sustained action level exceedances. A handheld PID was utilized to confirm that the station's readings were inaccurate,				
and the site was checked for odors. Troubleshooting was performed to resolve error. Equipment was removed from service and replaced.				

Data Summary Statistics		
TVOCs average concentration	0.22	ppm
TVOCs maximum concentration	1.81	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.70	µg/m^3
PM10 maximum concentration	55.28	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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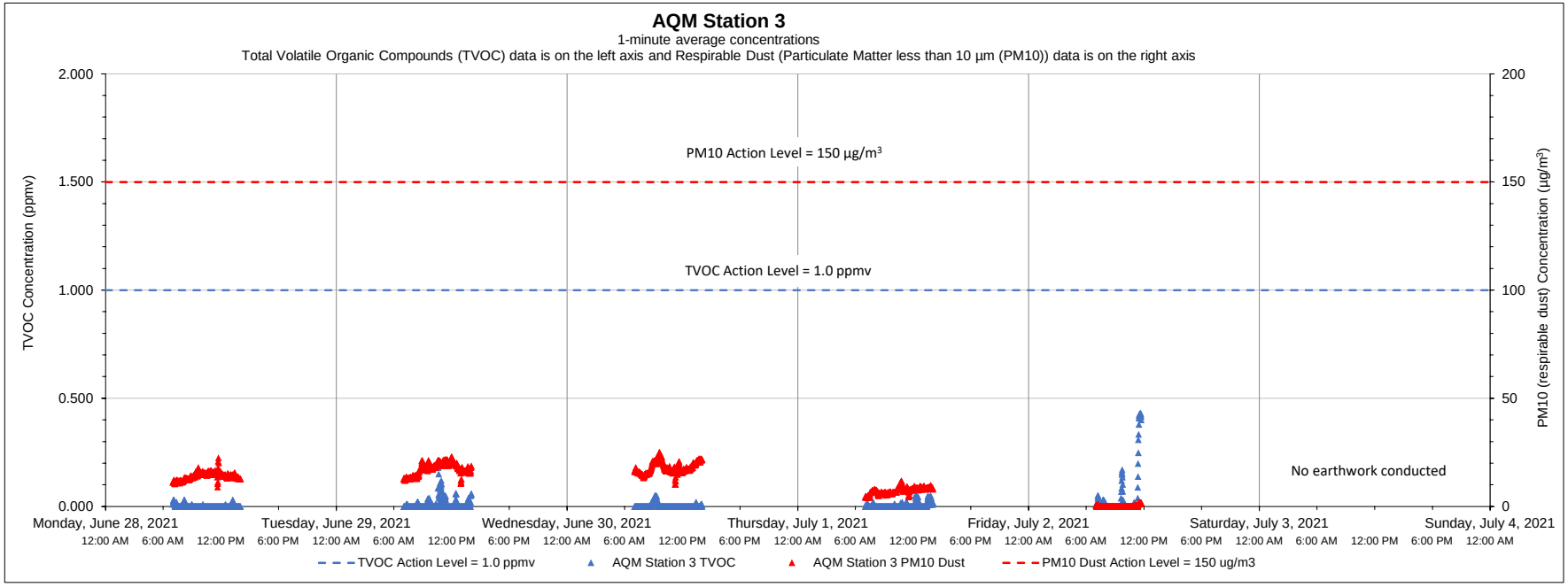

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.43	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.20	µg/m^3
PM10 maximum concentration	25.04	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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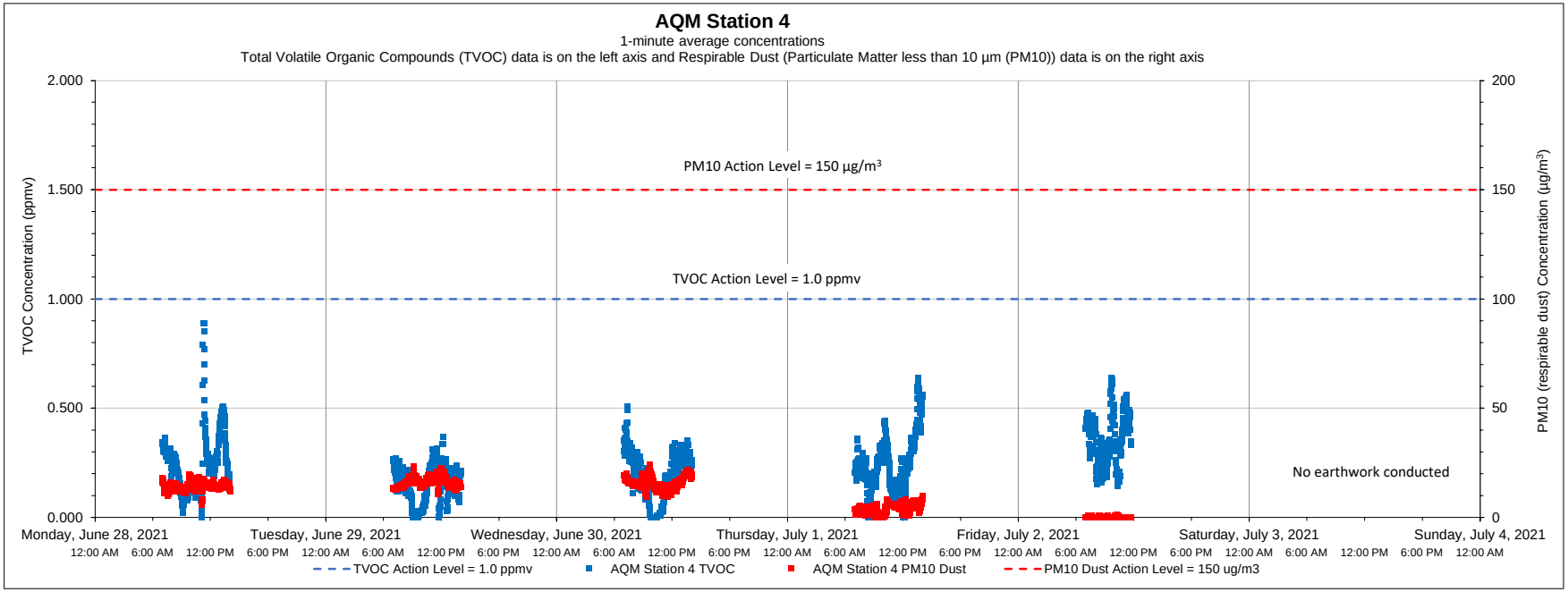

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.23	ppm
TVOCs maximum concentration	0.89	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.76	µg/m³
PM10 maximum concentration	24.09	µg/m³
PM10 action level	150	µg/m³

Notes:

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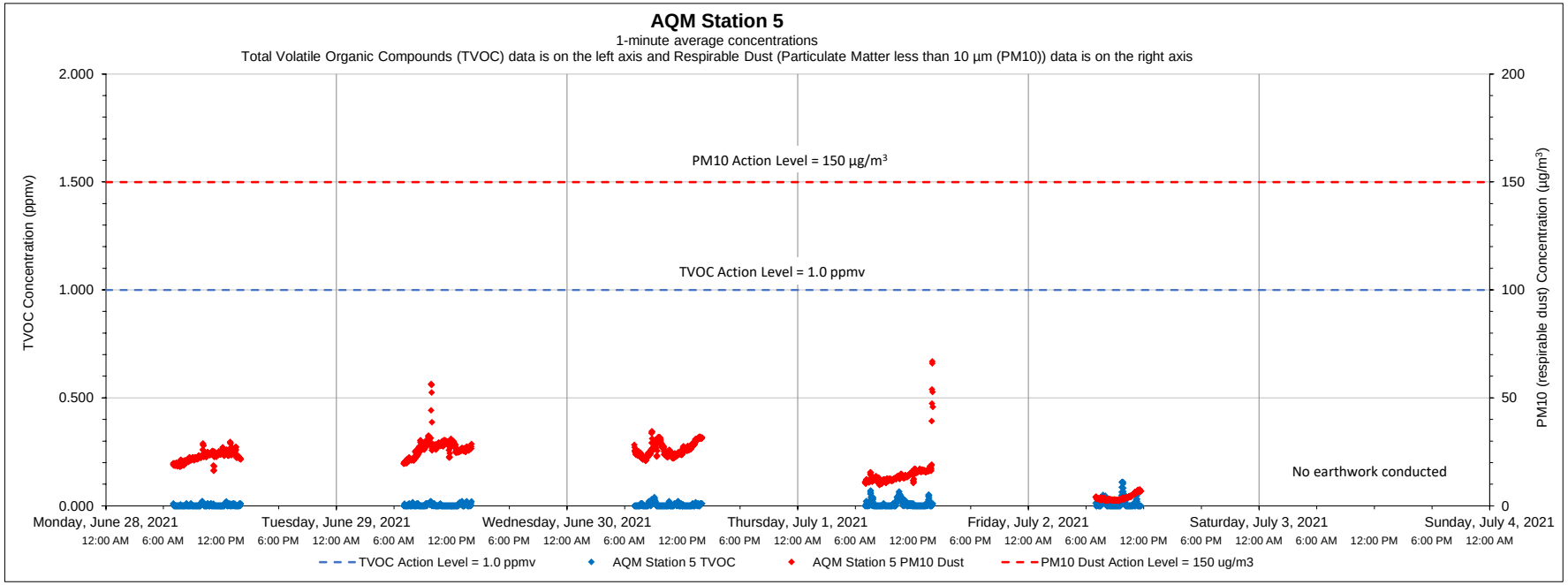

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.11	ppm
TVOCs action level	1	ppm
PM10 average concentration	19.71	µg/m^3
PM10 maximum concentration	66.84	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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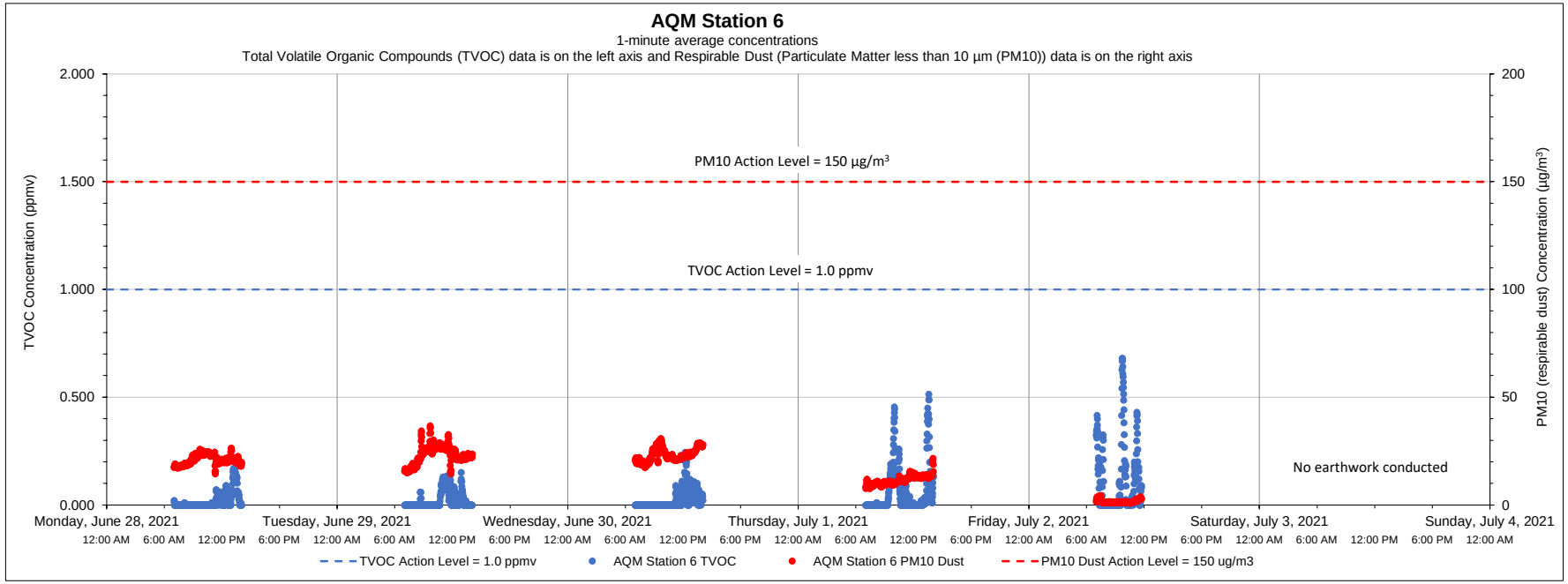

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.68	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.17	µg/m^3
PM10 maximum concentration	36.69	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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Liquefaction Facility Project -

7/12/2021

STRAP Perimeter Air Quality Monitoring (AQM)

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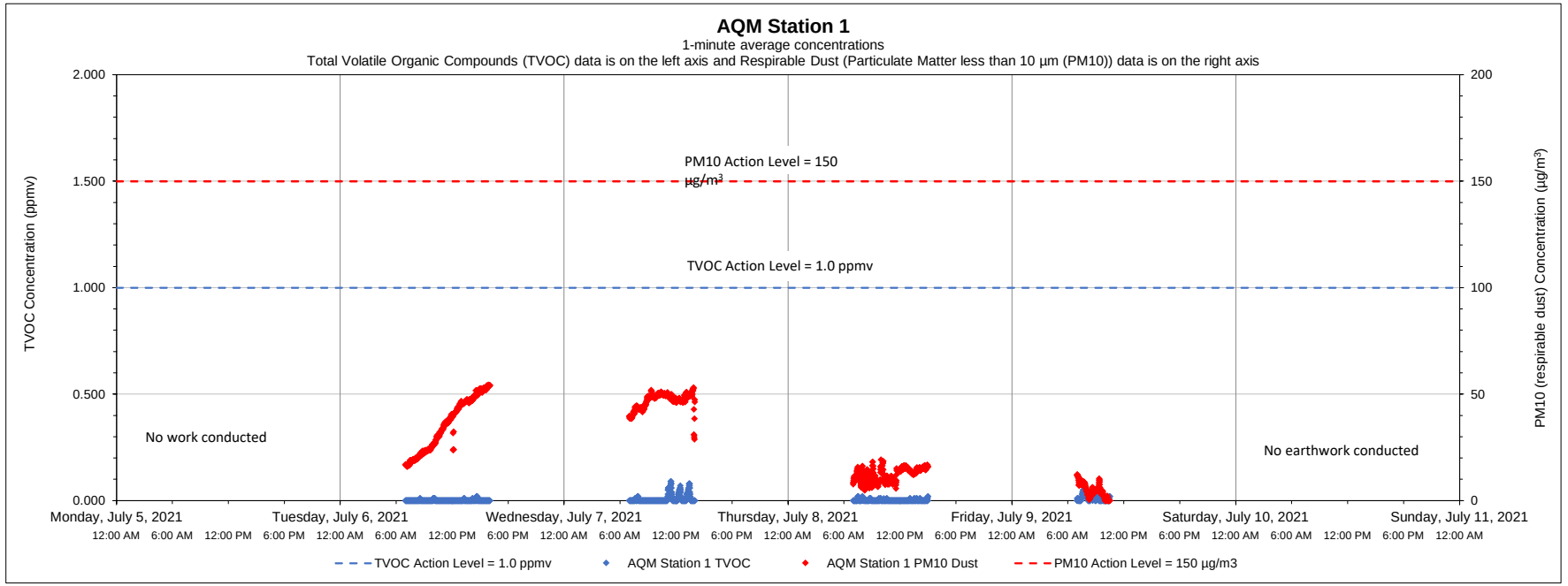

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.09	ppm
TVOCs action level	1	ppm
PM10 average concentration	27.76	µg/m^3
PM10 maximum concentration	54.26	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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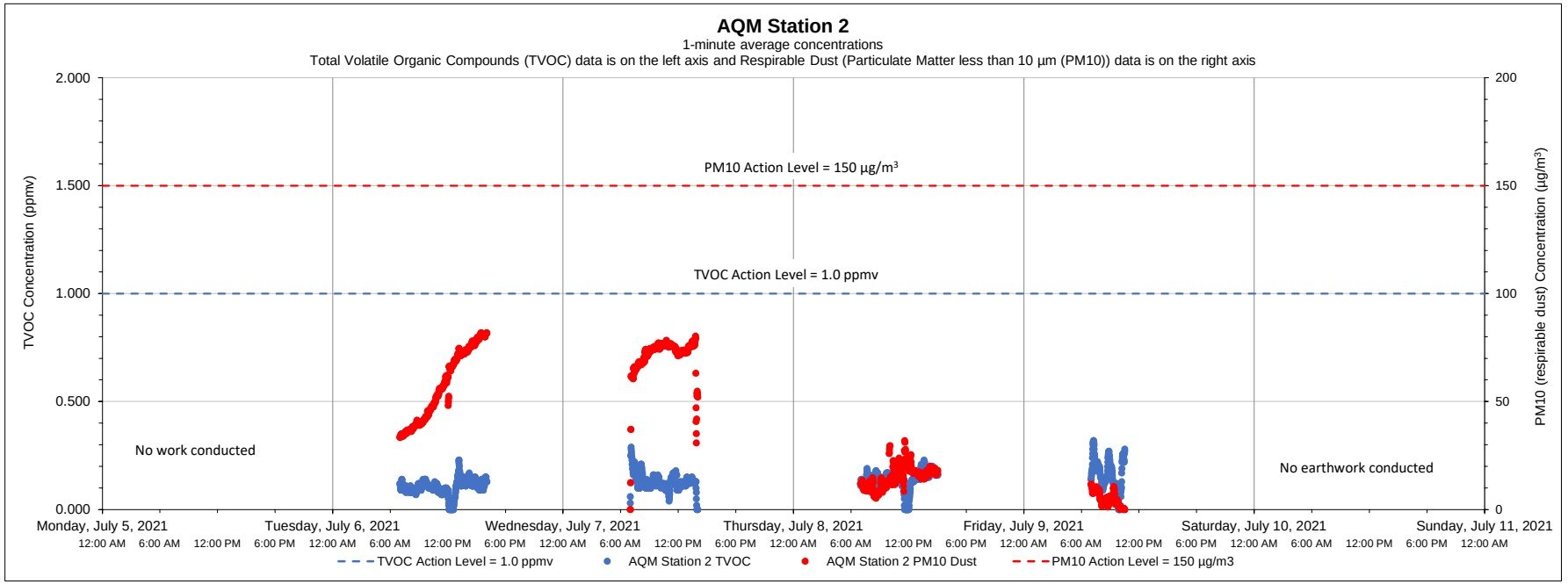

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.13	ppm
TVOCs maximum concentration	0.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	42.01	µg/m³
PM10 maximum concentration	81.82	µg/m³
PM10 action level	150	µg/m³

Notes:

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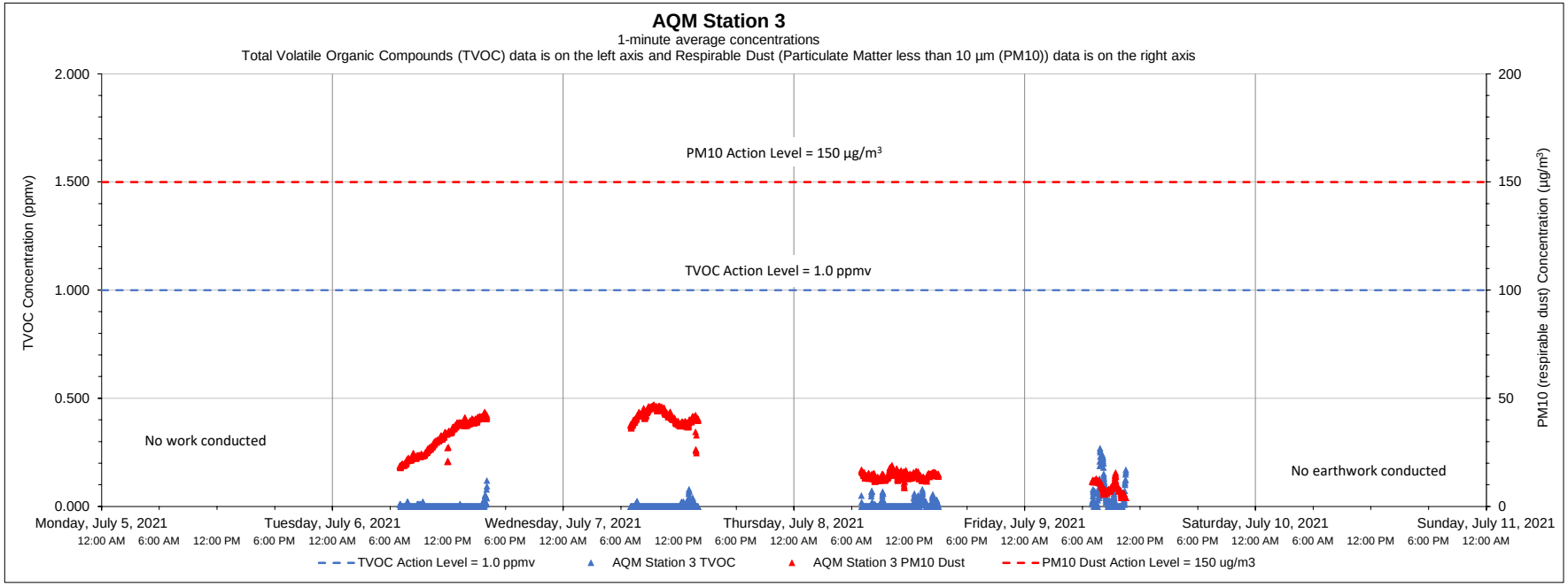

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.27	ppm
TVOCs action level	1	ppm
PM10 average concentration	26.08	µg/m^3
PM10 maximum concentration	47.14	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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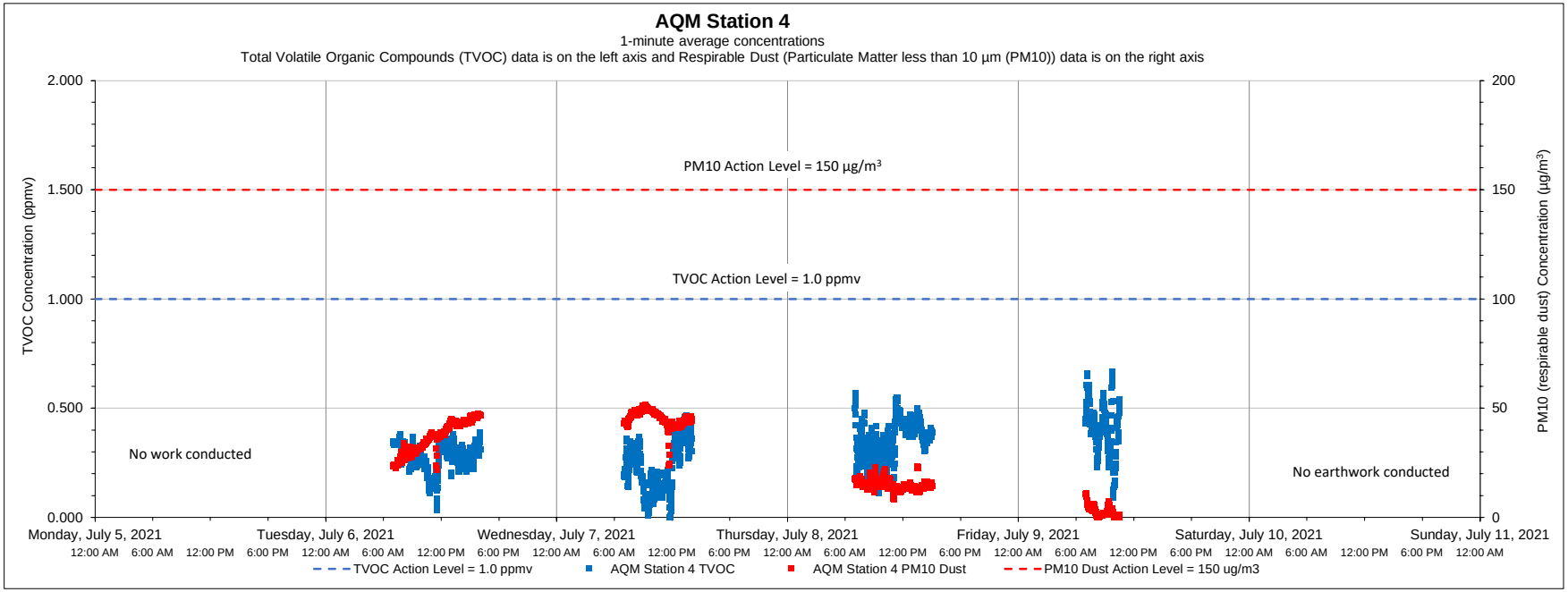

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.30	ppm
TVOCs maximum concentration	0.67	ppm
TVOCs action level	1	ppm
PM10 average concentration	28.21	µg/m³
PM10 maximum concentration	51.41	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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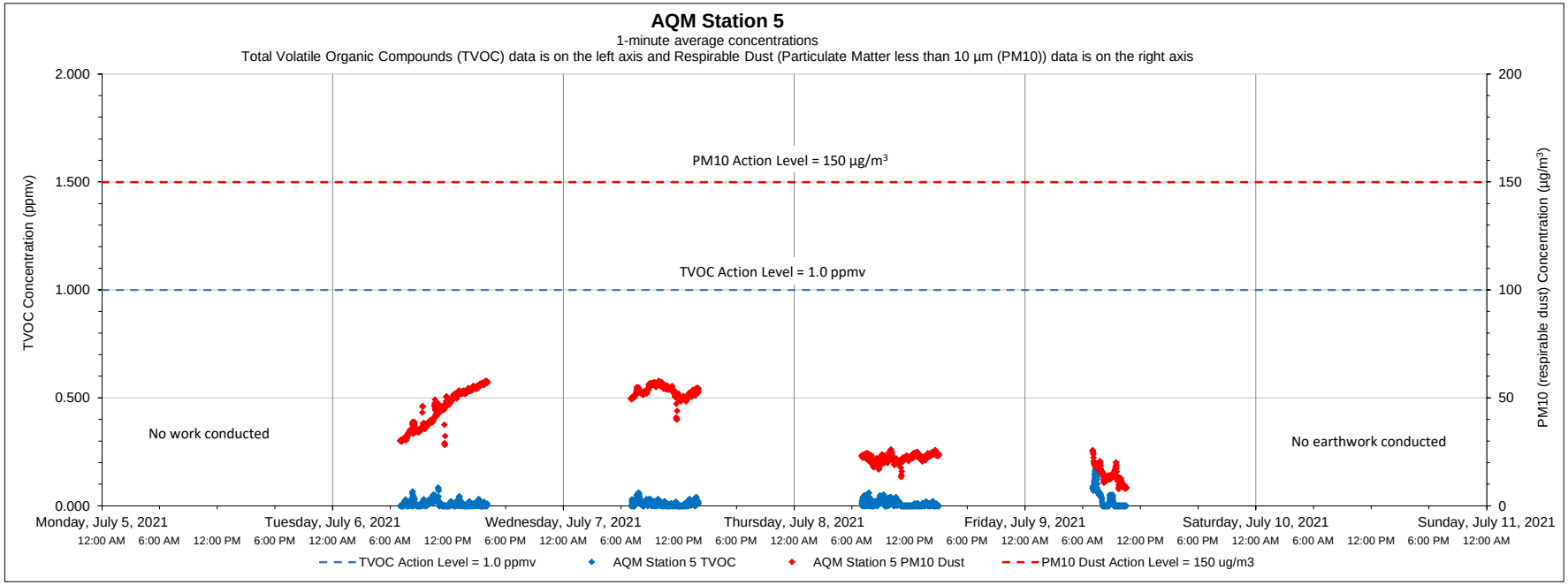

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.18	ppm
TVOCs action level	1	ppm
PM10 average concentration	36.38	µg/m³
PM10 maximum concentration	57.88	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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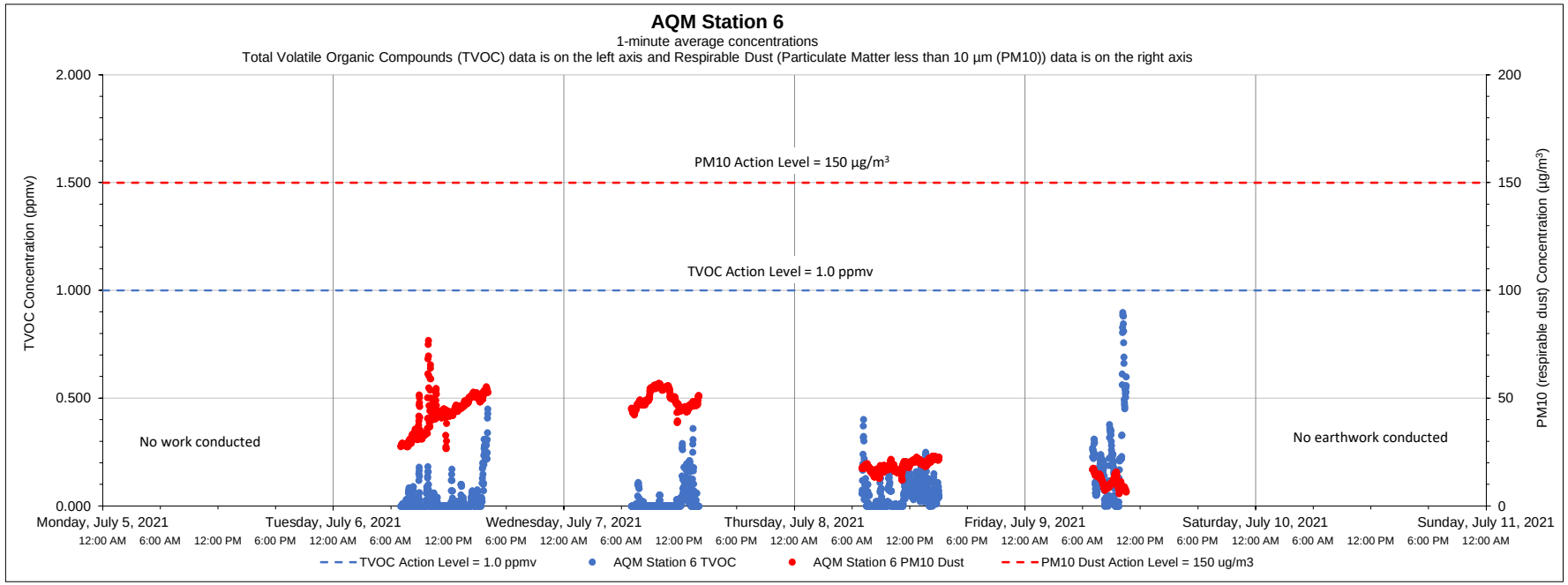

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.90	ppm
TVOCs action level	1	ppm
PM10 average concentration	33.31	µg/m^3
PM10 maximum concentration	76.77	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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Liquefaction Facility Project -

7/19/2021

STRAP Perimeter Air Quality Monitoring (AQM)

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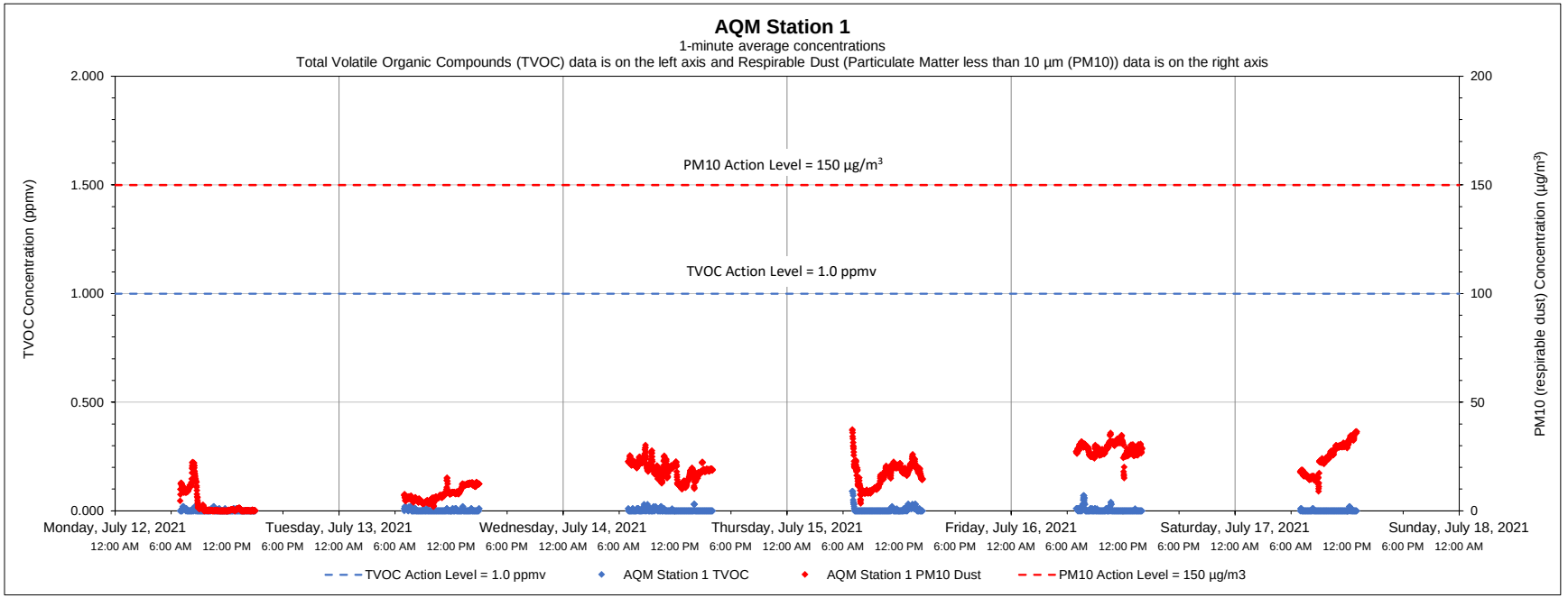

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.09	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.88	µg/m^3
PM10 maximum concentration	37.48	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

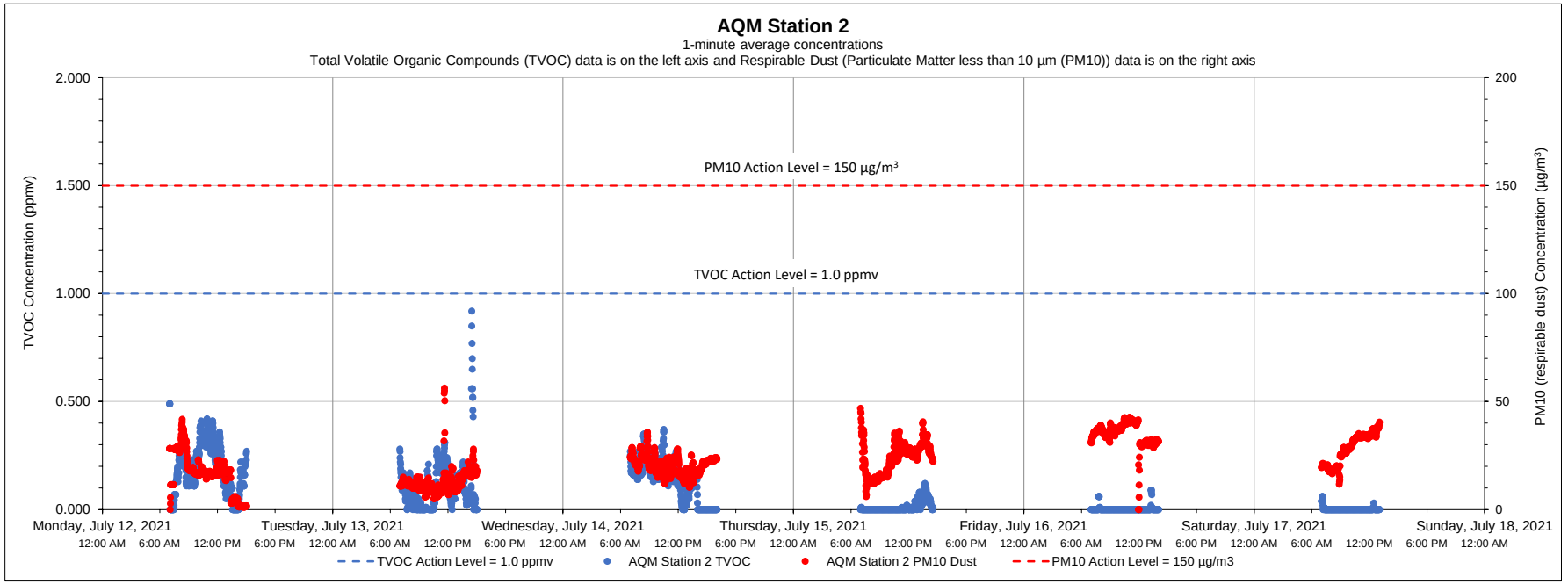
GZA Job No. 03.0033554.04

7/19/2021

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	0.92	ppm
TVOCs action level	1	ppm
PM10 average concentration	22.09	µg/m³
PM10 maximum concentration	56.28	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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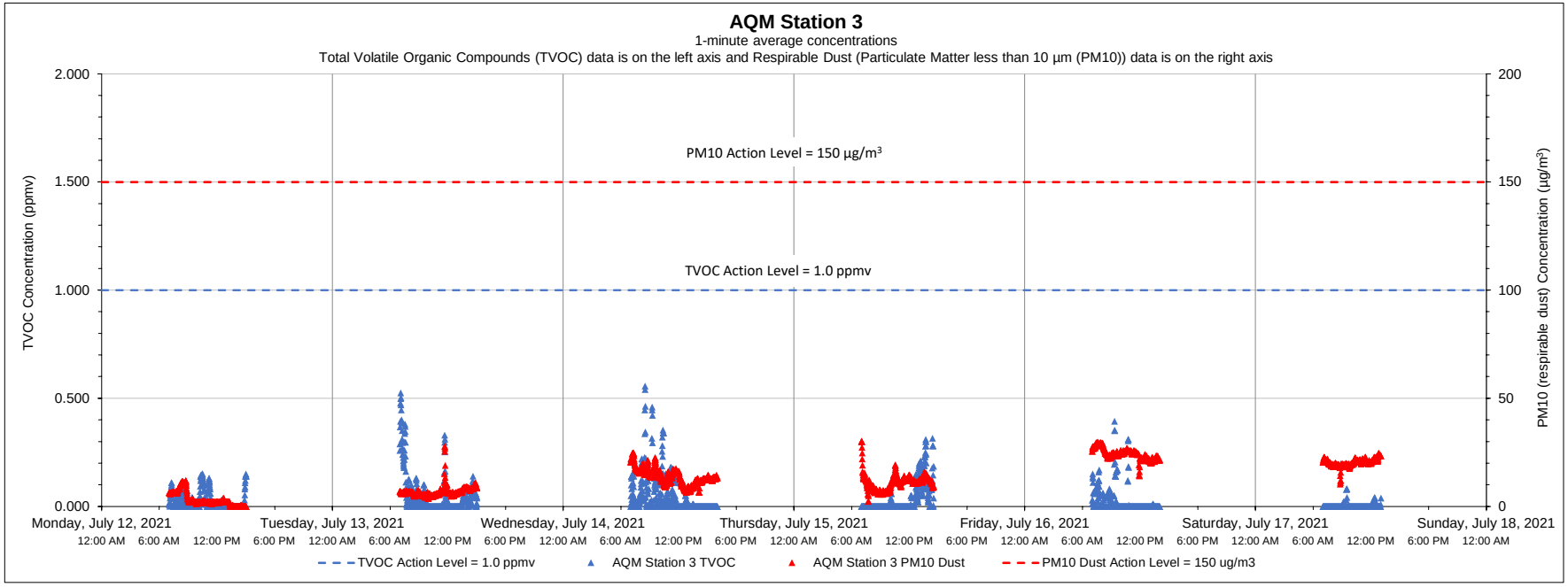

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.56	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.75	µg/m^3
PM10 maximum concentration	30.15	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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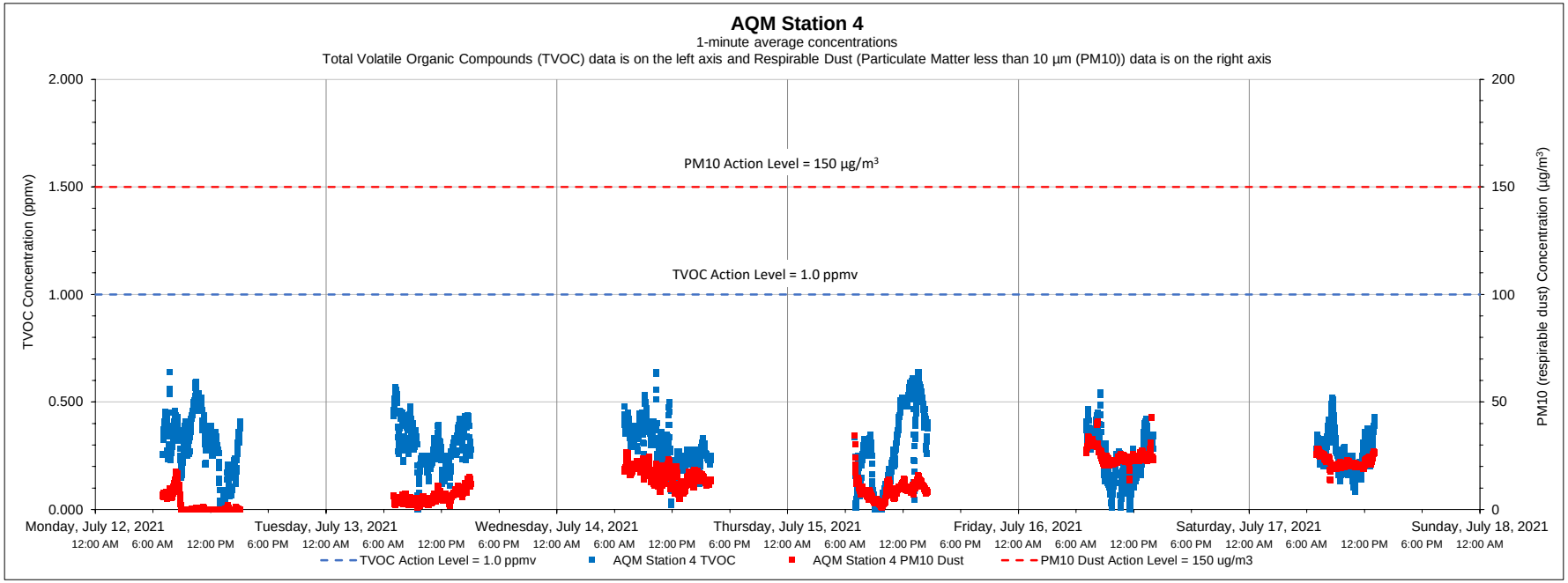

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.28	ppm
TVOCs maximum concentration	0.64	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.69	µg/m^3
PM10 maximum concentration	42.96	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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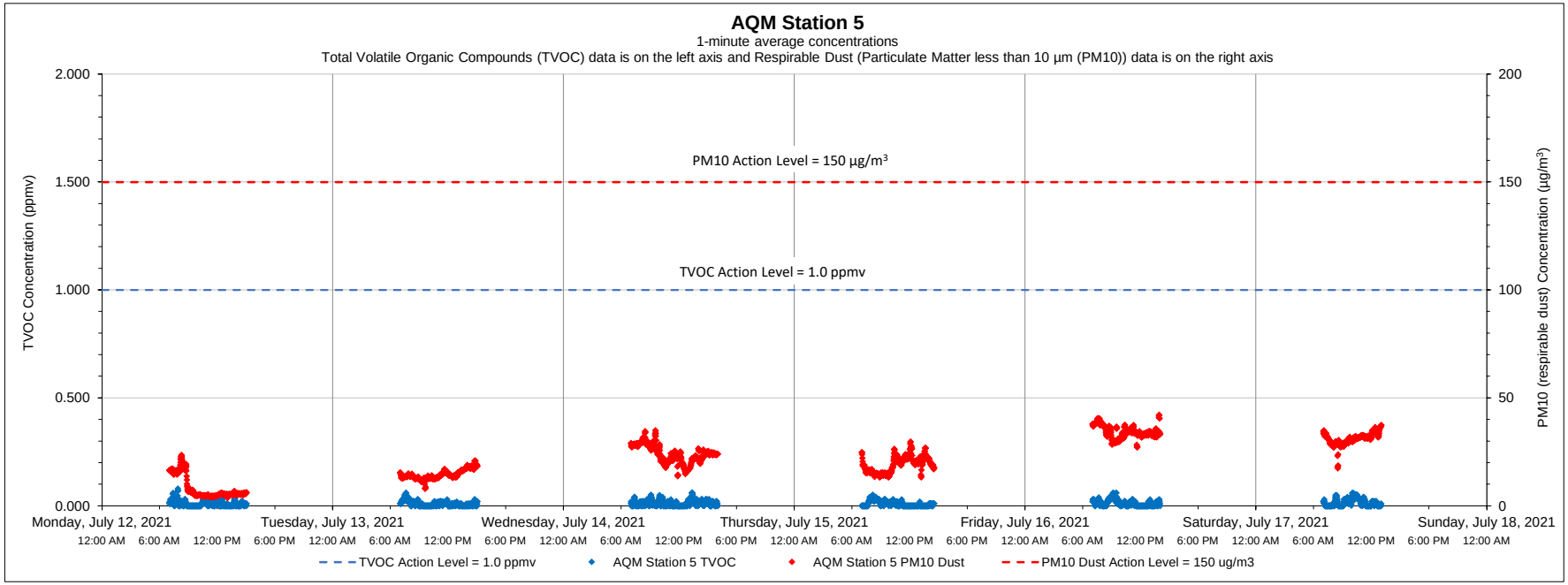

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.08	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.14	µg/m³
PM10 maximum concentration	42.05	µg/m³
PM10 action level	150	µg/m³

Notes:

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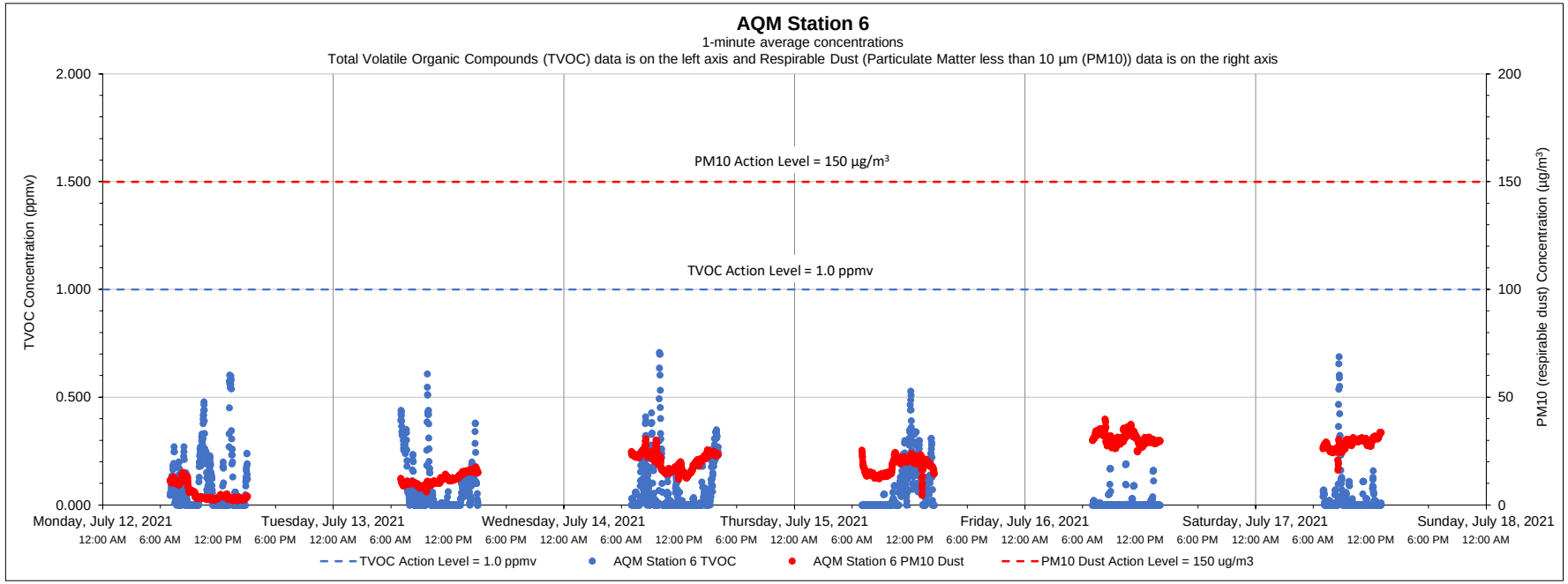

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.71	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.47	µg/m^3
PM10 maximum concentration	39.87	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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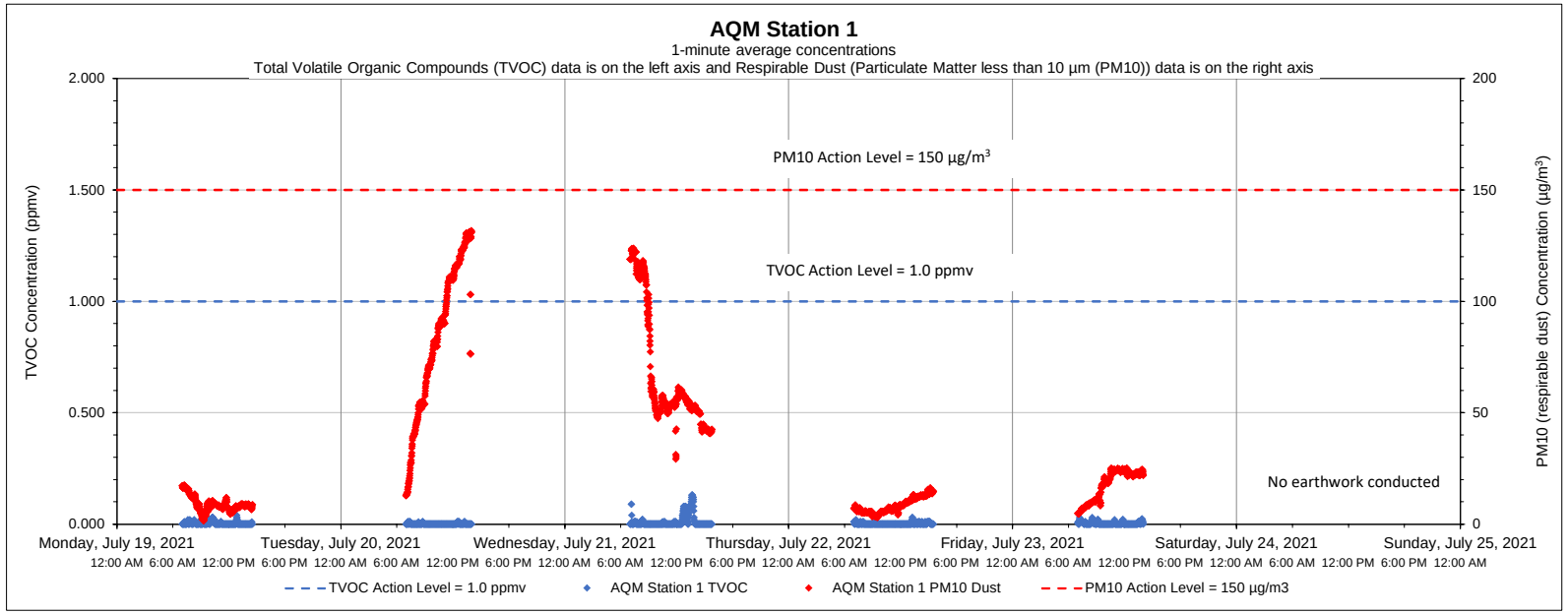

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.13	ppm
TVOCs action level	1	ppm
PM10 average concentration	36.74	µg/m^3
PM10 maximum concentration	131.78	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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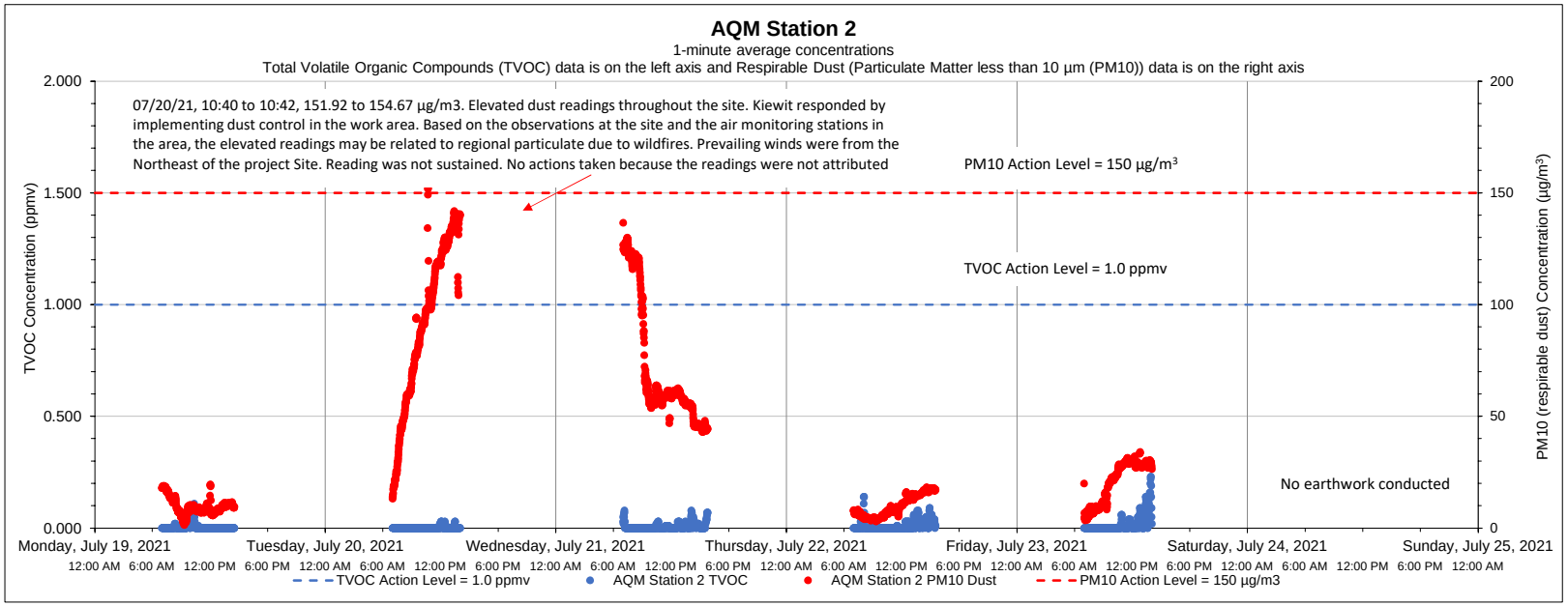

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.23	ppm
TVOCs action level	1	ppm
PM10 average concentration	40.50	µg/m^3
PM10 maximum concentration	154.67	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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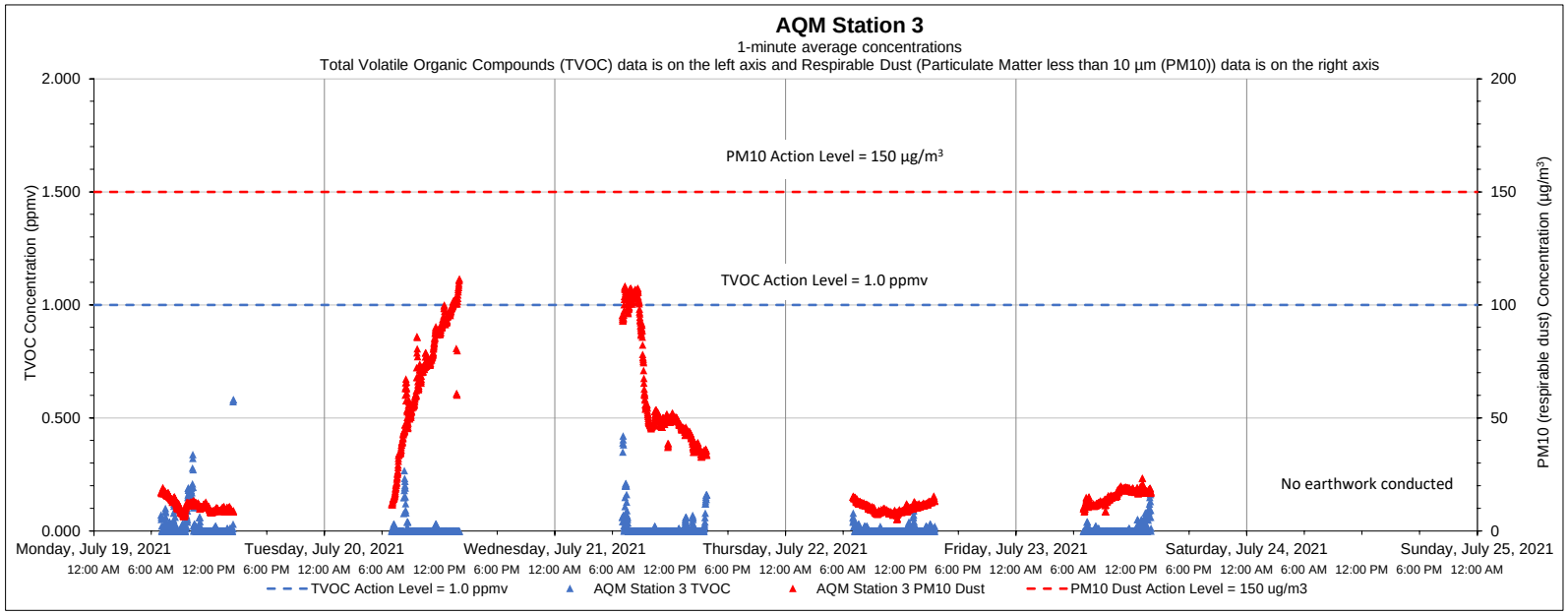

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.58	ppm
TVOCs action level	1	ppm
PM10 average concentration	33.14	µg/m³
PM10 maximum concentration	111.50	µg/m³
PM10 action level	150	µg/m³

Notes:

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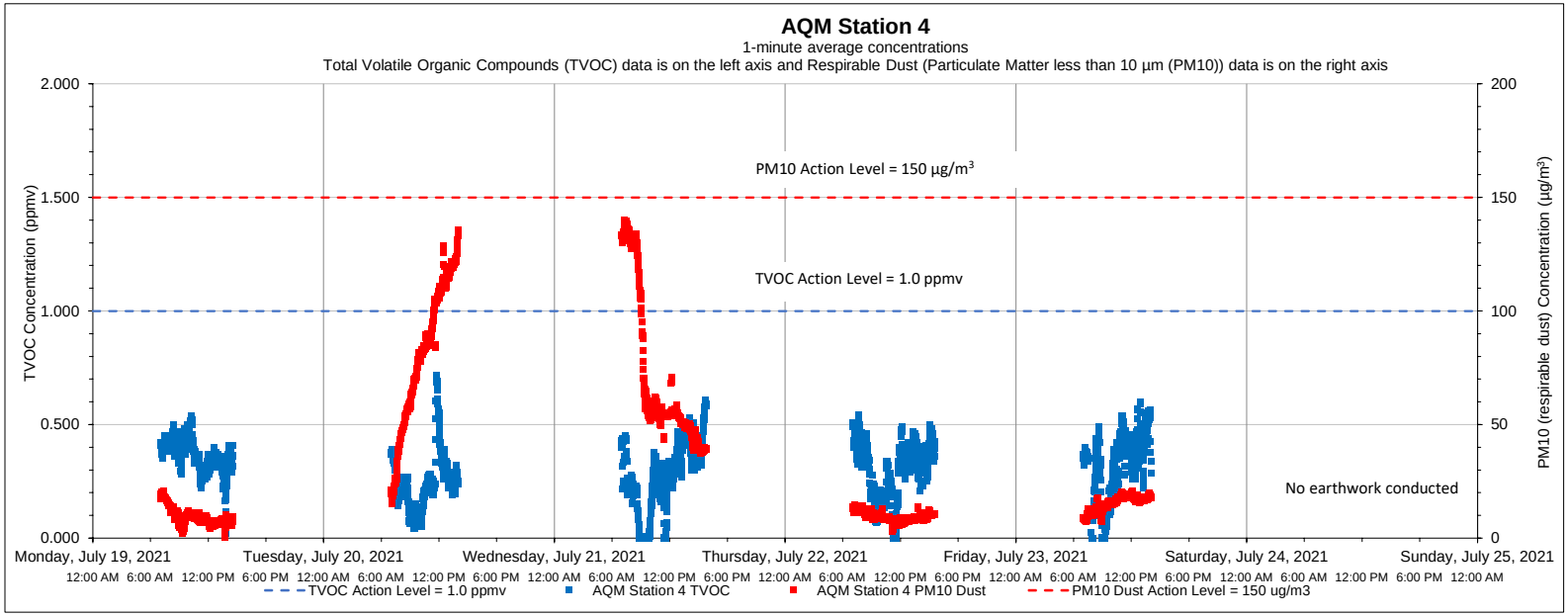

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.30	ppm
TVOCs maximum concentration	0.72	ppm
TVOCs action level	1	ppm
PM10 average concentration	37.23	µg/m³
PM10 maximum concentration	140.27	µg/m³
PM10 action level	150	µg/m³

Notes:

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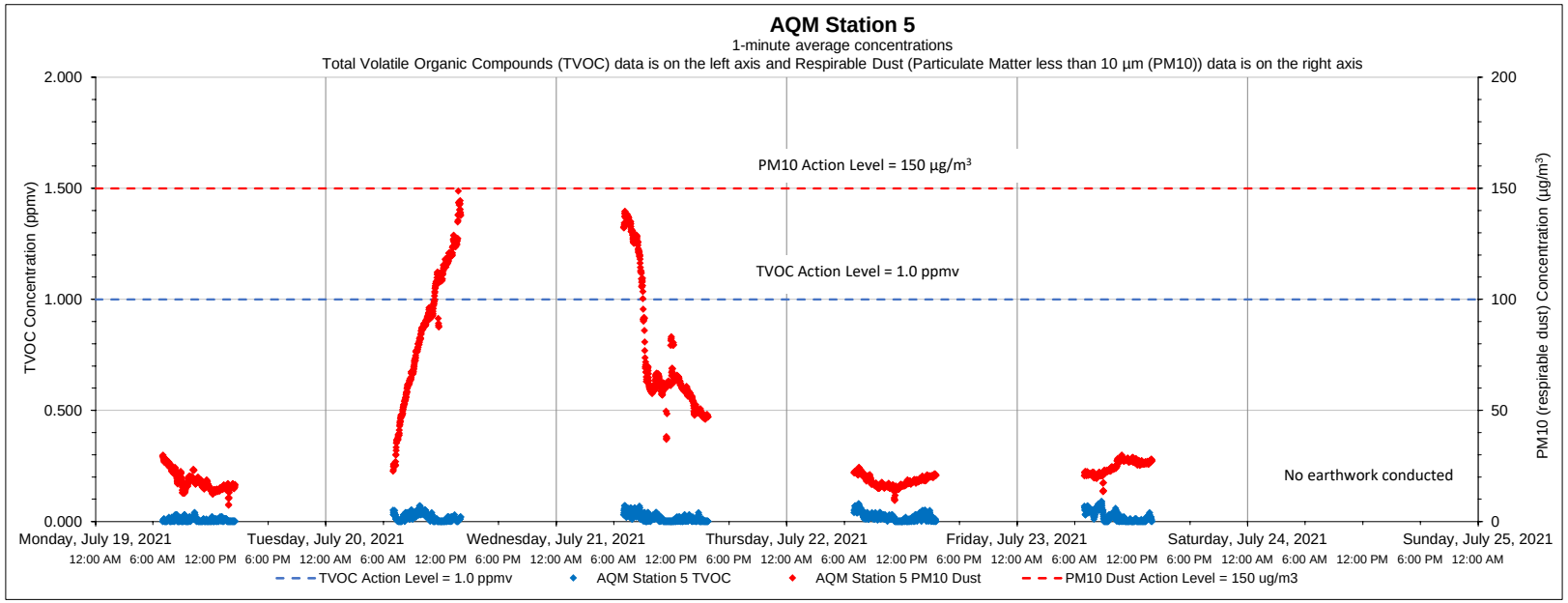

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.09	ppm
TVOCs action level	1	ppm
PM10 average concentration	44.71	µg/m³
PM10 maximum concentration	148.79	µg/m³
PM10 action level	150	µg/m³

Notes:

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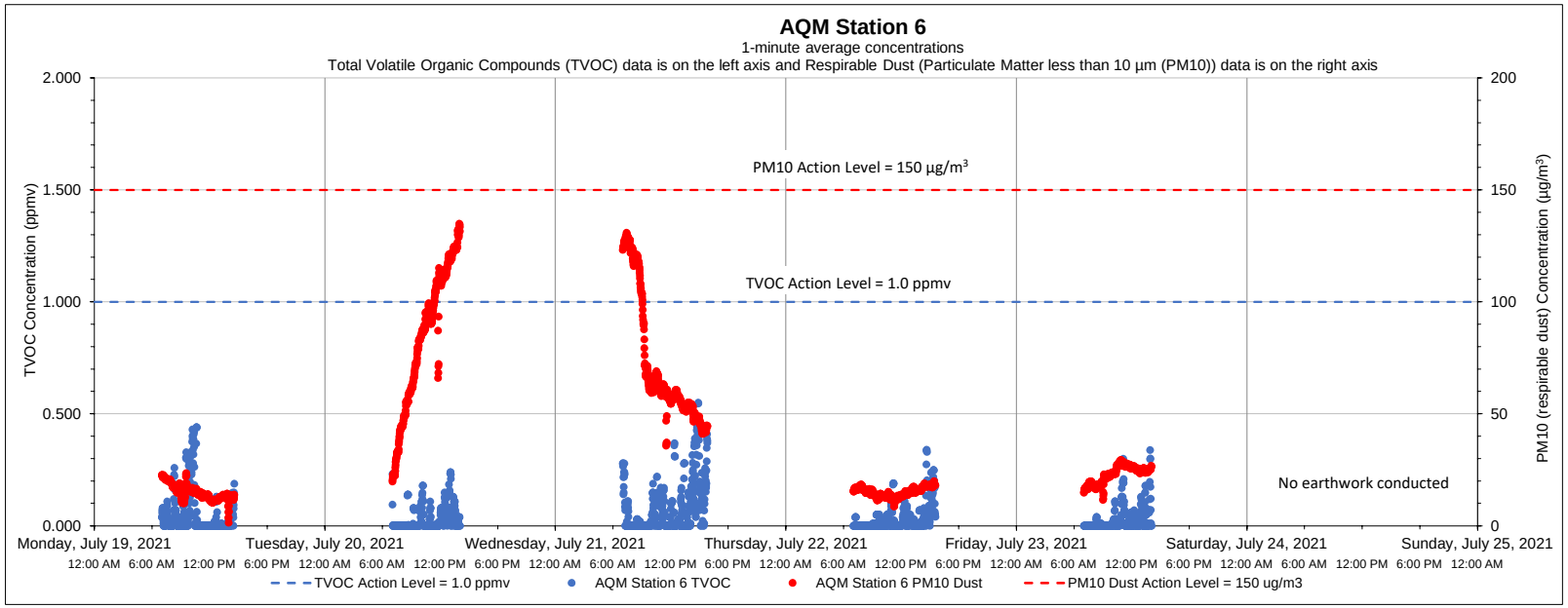

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.55	ppm
TVOCs action level	1	ppm
PM10 average concentration	41.81	µg/m³
PM10 maximum concentration	135.01	µg/m³
PM10 action level	150	µg/m³

Notes:

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2/07/2022

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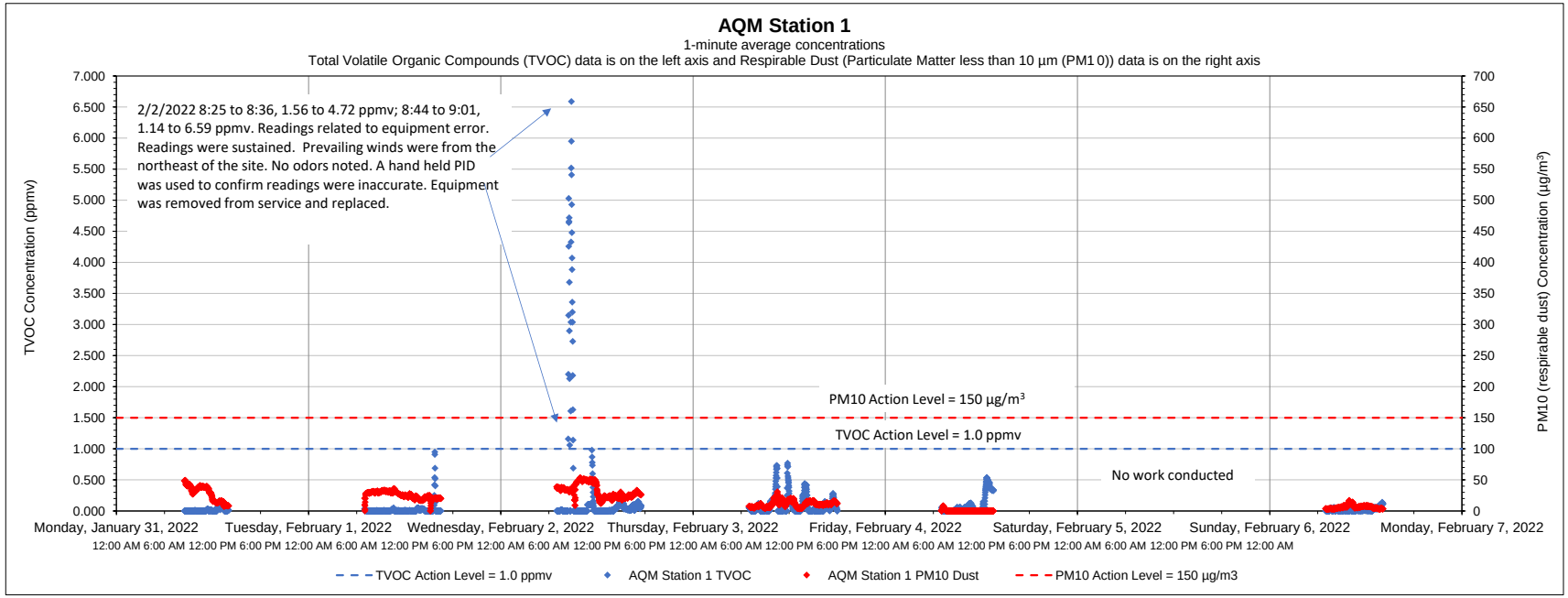

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
2/2/2022	8:25 to 8:36	TVOC	1.56 to 4.72 ppmv	Equipment removed from service and recalibrated
2/2/2022	8:44 to 9:01	TVOC	1.14 to 6.59 ppmv	Equipment removed from service and recalibrated
2/2/2022	10:50 to 11:22	TVOC	1.10 to 4.95 ppmv	Equipment removed from service and recalibrated

Equipment Notes
2/2/2022 -Equipment error caused sustained action level exceedances. A handheld PID was utilized to confirm that the station's readings were inaccurate, and the site was checked for odors. Troubleshooting was performed to resolve error. Equipment was removed from service and replaced.

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	6.59	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.02	µg/m³
PM10 maximum concentration	53.41	µg/m³
PM10 action level	150	µg/m³

Notes:

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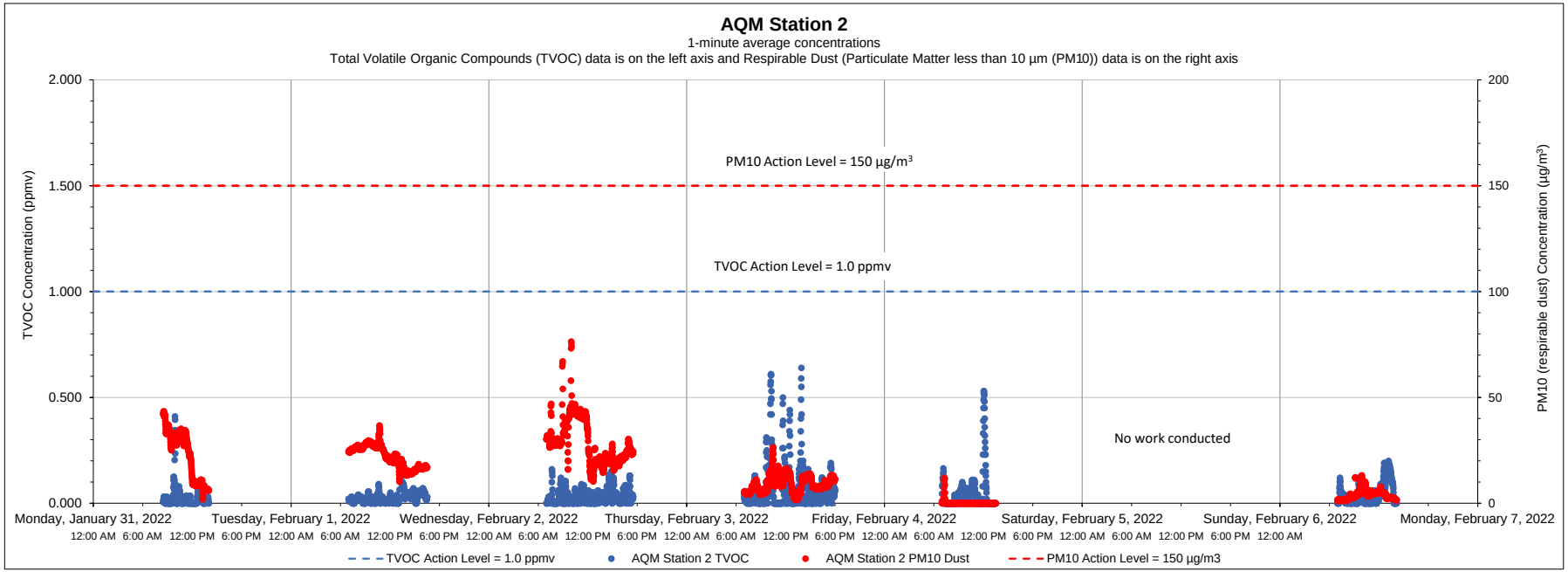

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.64	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.20	µg/m³
PM10 maximum concentration	76.39	µg/m³
PM10 action level	150	µg/m³

Notes:

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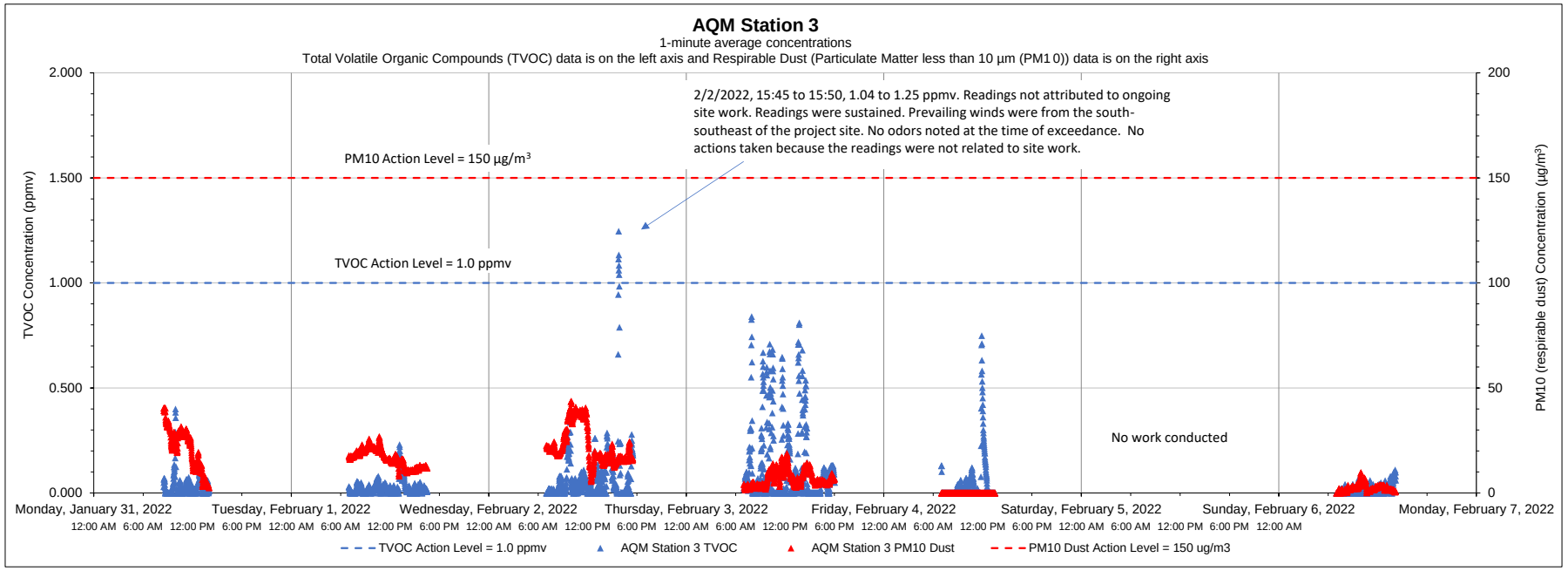

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
2/2/2022	15:45 to 15:50	TVOC	1.04 to 1.25 ppmv	No actions taken because the readings were not related to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.06	µg/m³
PM10 maximum concentration	43.68	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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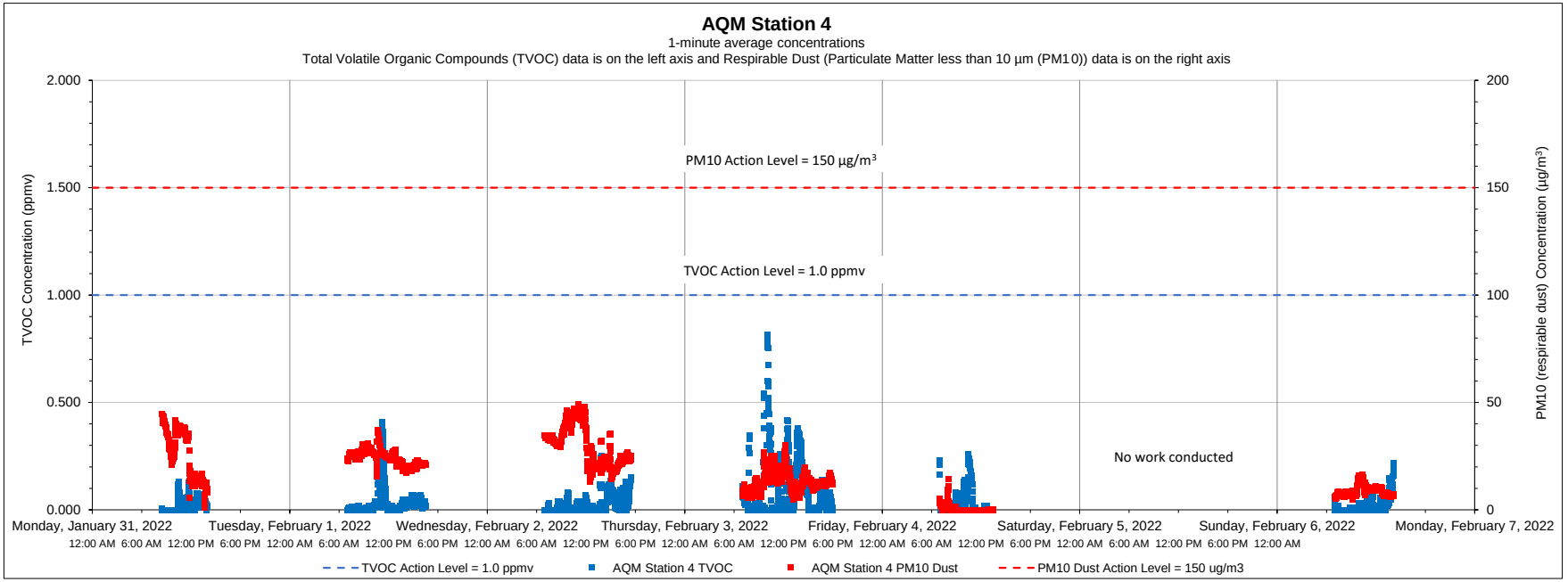

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.81	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.76	µg/m^3
PM10 maximum concentration	49.25	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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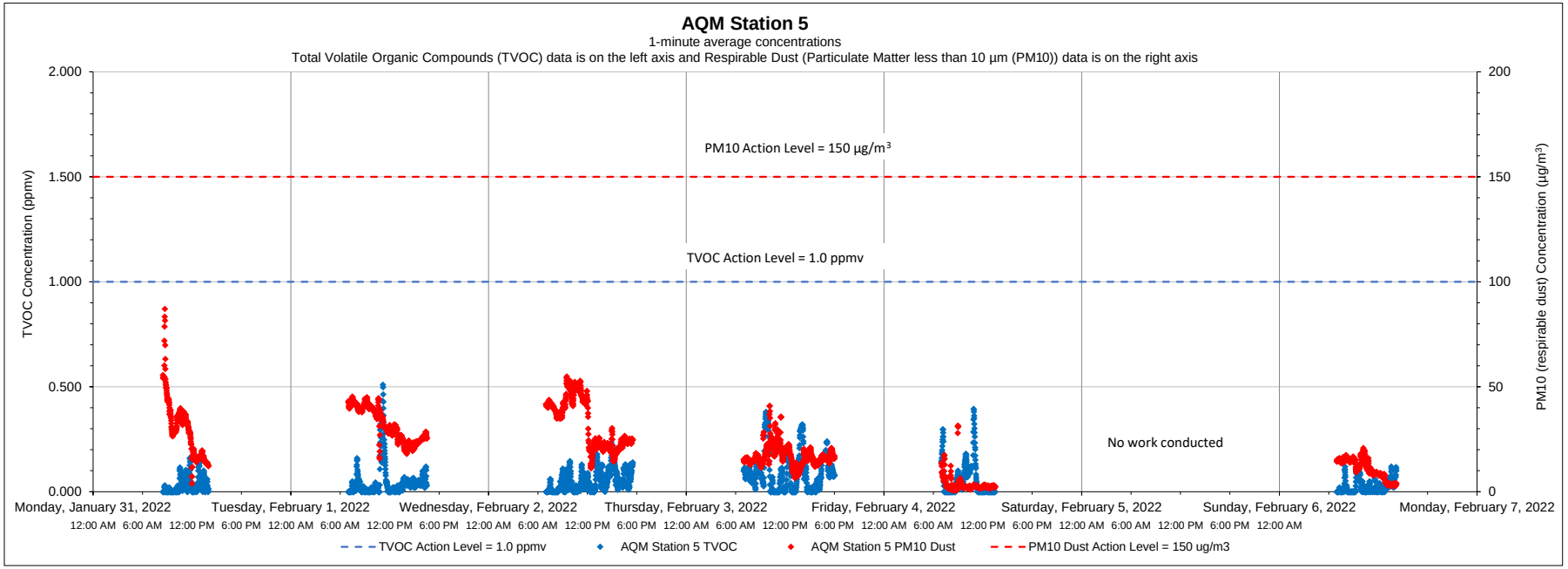

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.51	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.65	µg/m^3
PM10 maximum concentration	87.11	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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STRAP Perimeter Air Quality Monitoring (AQM)

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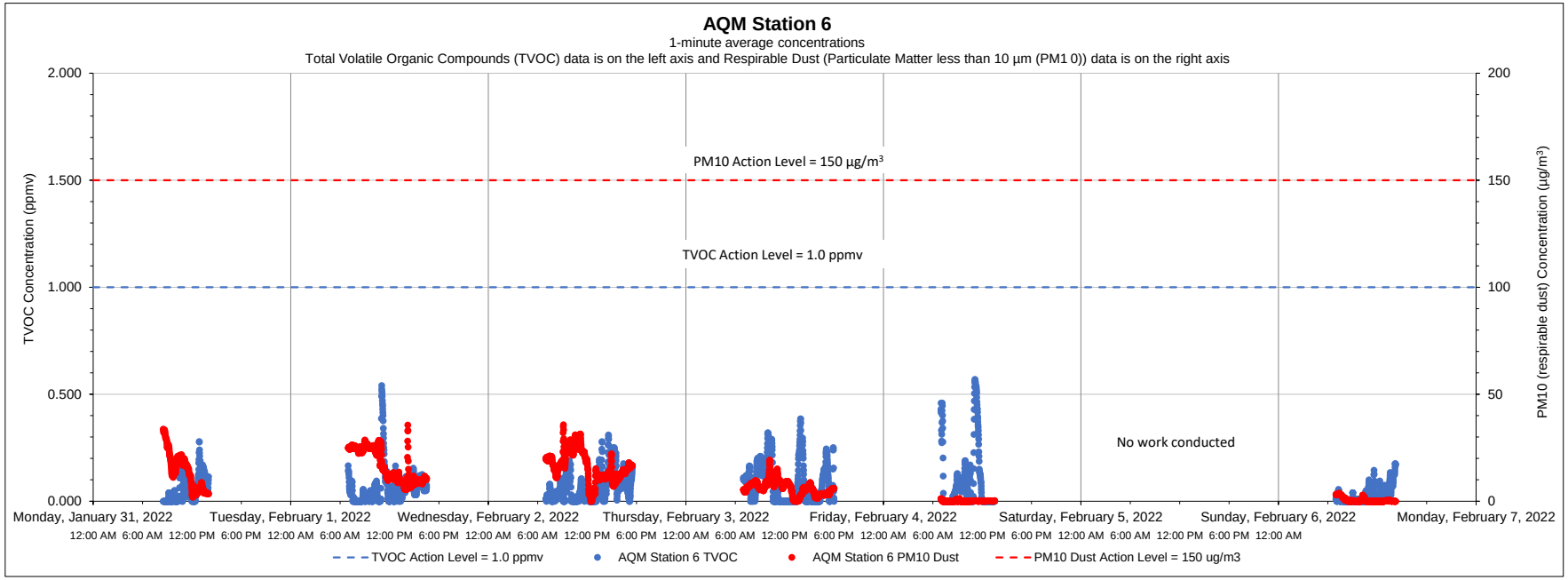


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.57	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.47	µg/m^3
PM10 maximum concentration	35.79	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

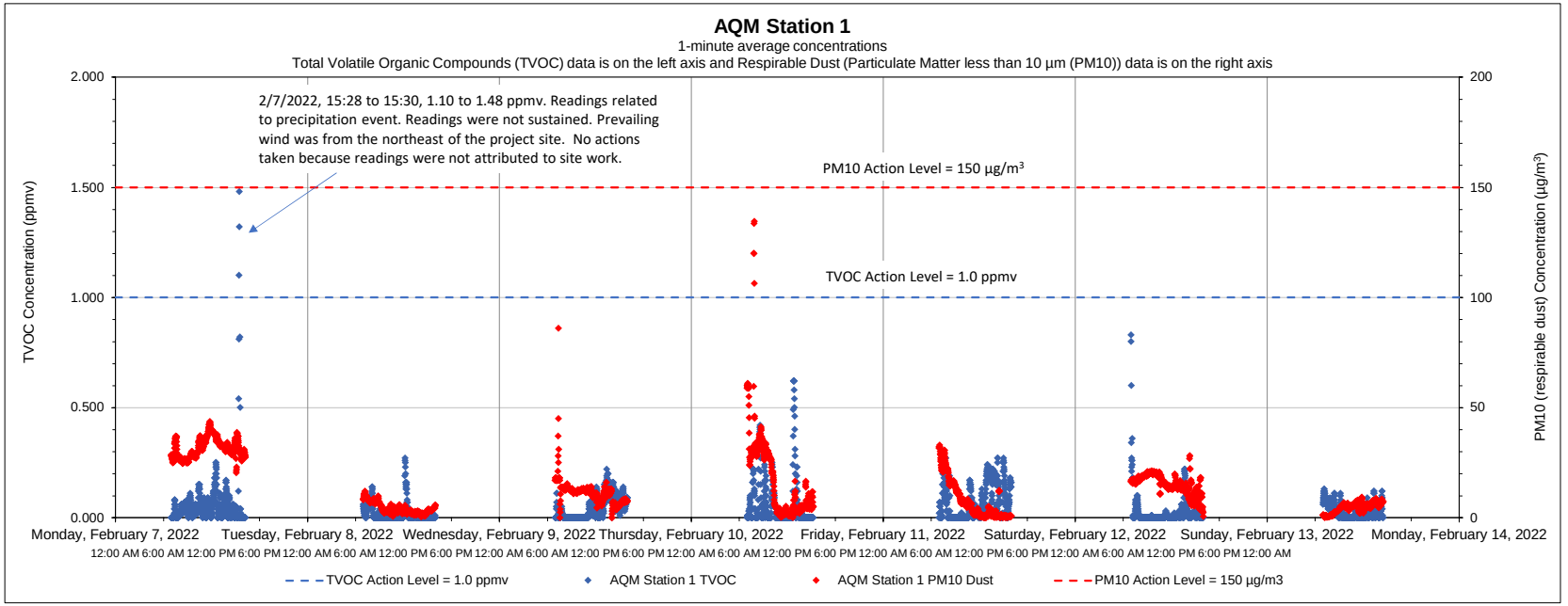
GZA Job No. 03.0033554.04

2/14/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.05	µg/m³
PM10 maximum concentration	134.43	µg/m³
PM10 action level	150	µg/m³

Notes:

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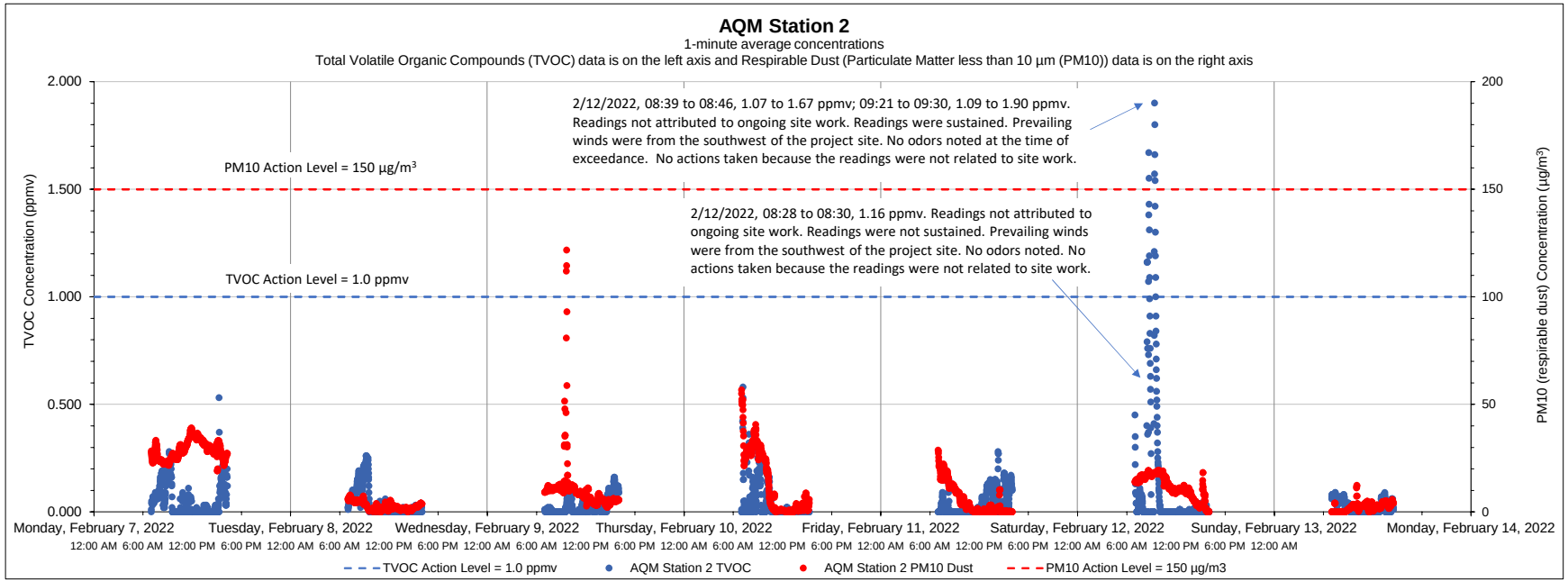

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
2/12/2022	08:39 to 08:46	TVOC	1.07 to 1.67 ppmv	No actions taken because the readings were not related to site work
2/12/2022	09:21 to 09:30	TVOC	1.09 to 1.90 ppmv	No actions taken because the readings were not related to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.90	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.51	µg/m^3
PM10 maximum concentration	121.74	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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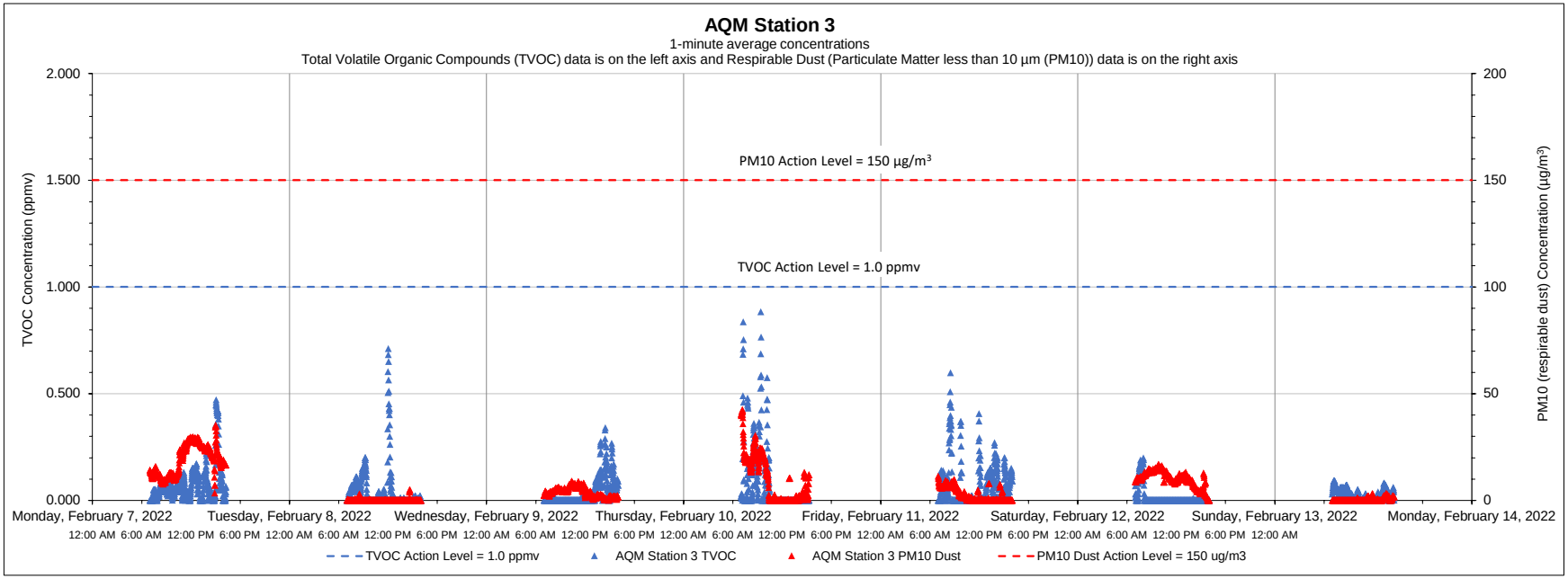

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.88	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.60	µg/m^3
PM10 maximum concentration	42.48	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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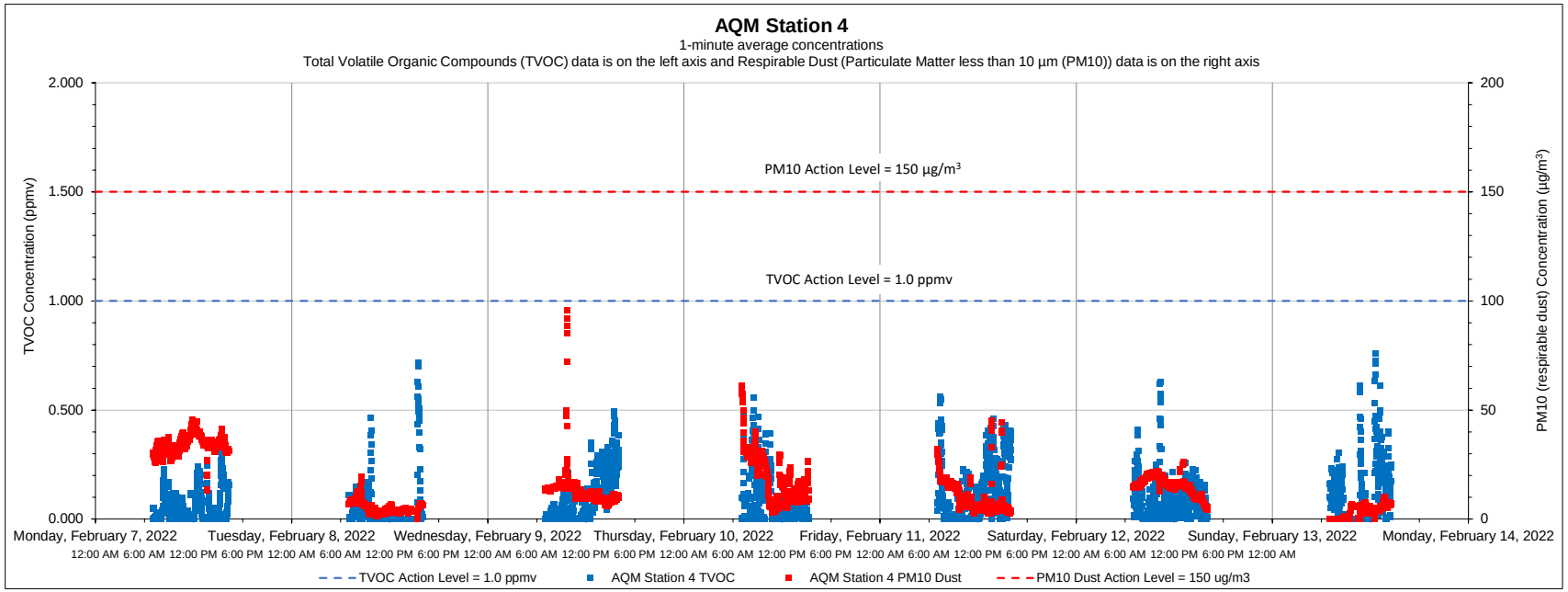

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	0.76	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.39	µg/m³
PM10 maximum concentration	95.73	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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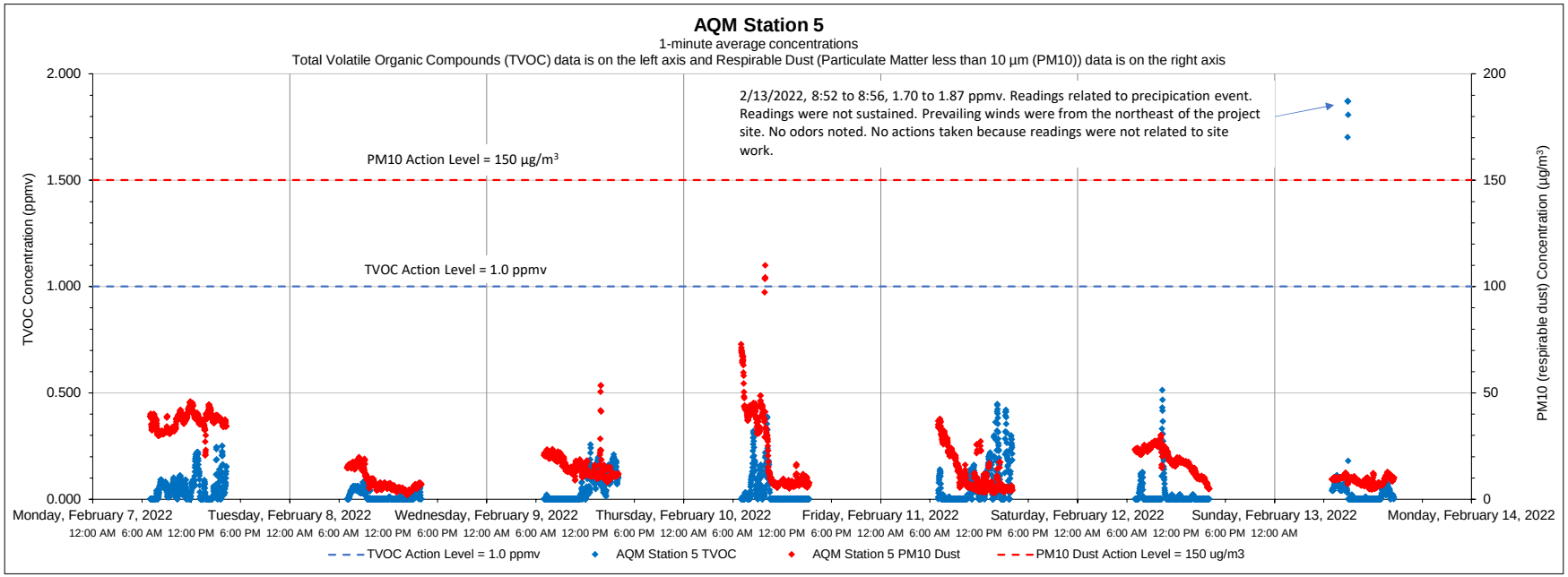

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.87	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.54	µg/m^3
PM10 maximum concentration	109.91	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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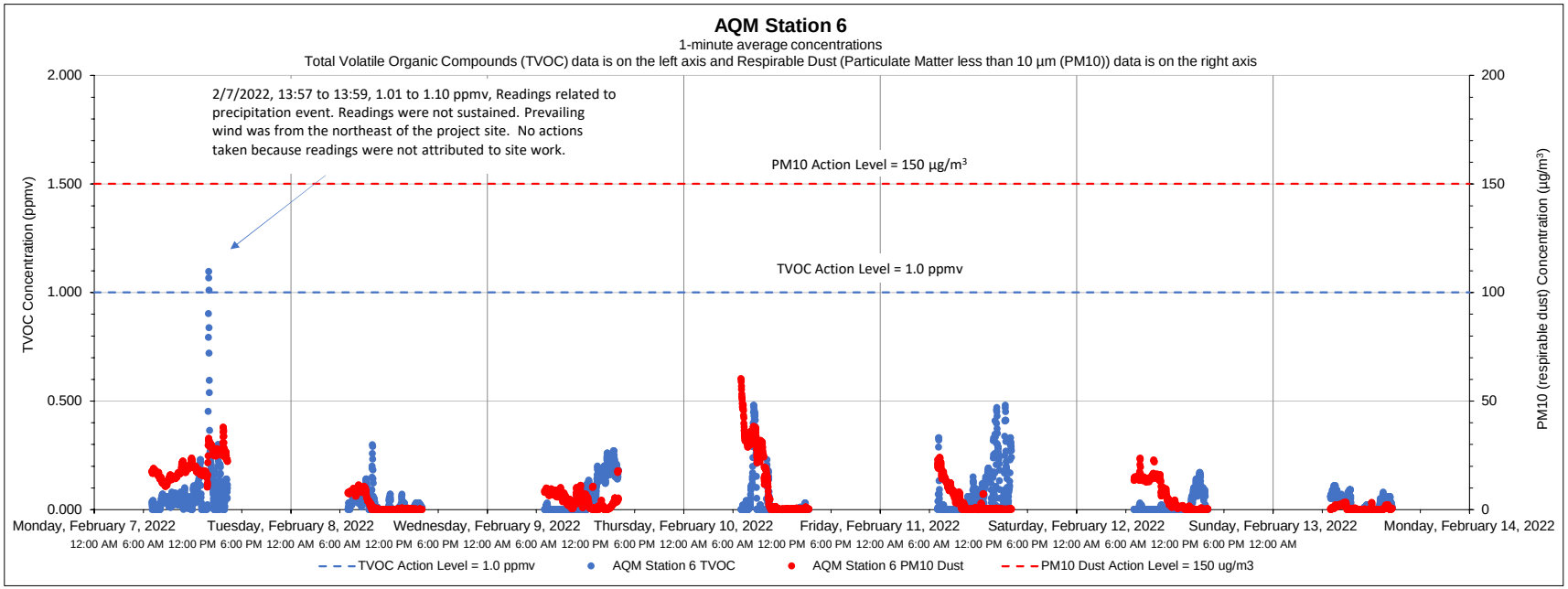

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.22	µg/m^3
PM10 maximum concentration	60.21	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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Liquefaction Facility Project -

2/21/2022

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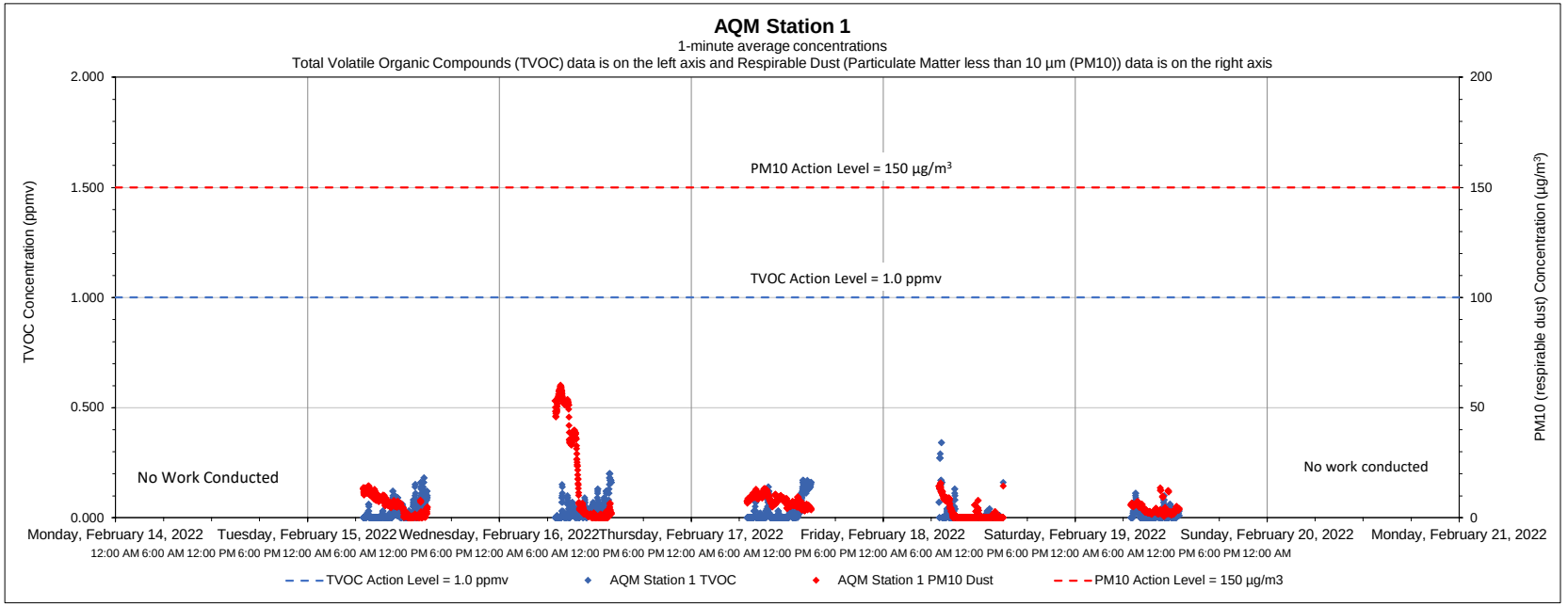

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.34	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.67	µg/m³
PM10 maximum concentration	60.09	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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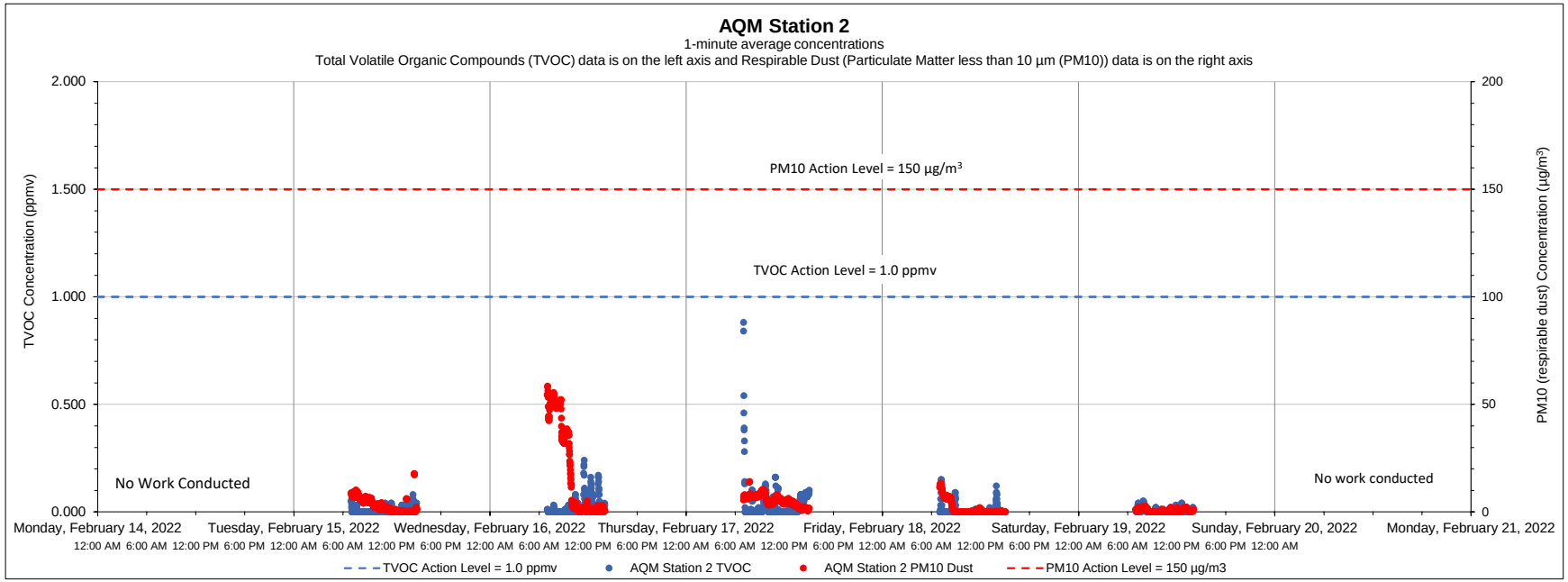

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.88	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.63	µg/m^3
PM10 maximum concentration	58.41	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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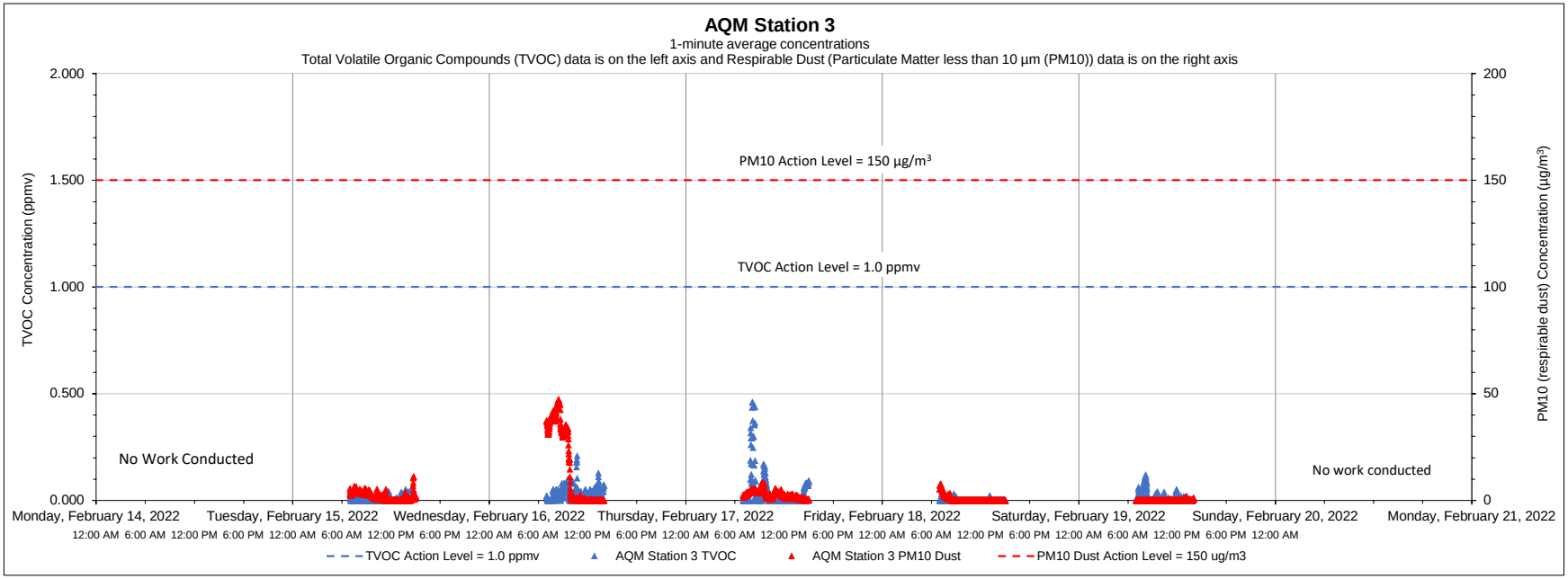

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.89	µg/m^3
PM10 maximum concentration	47.32	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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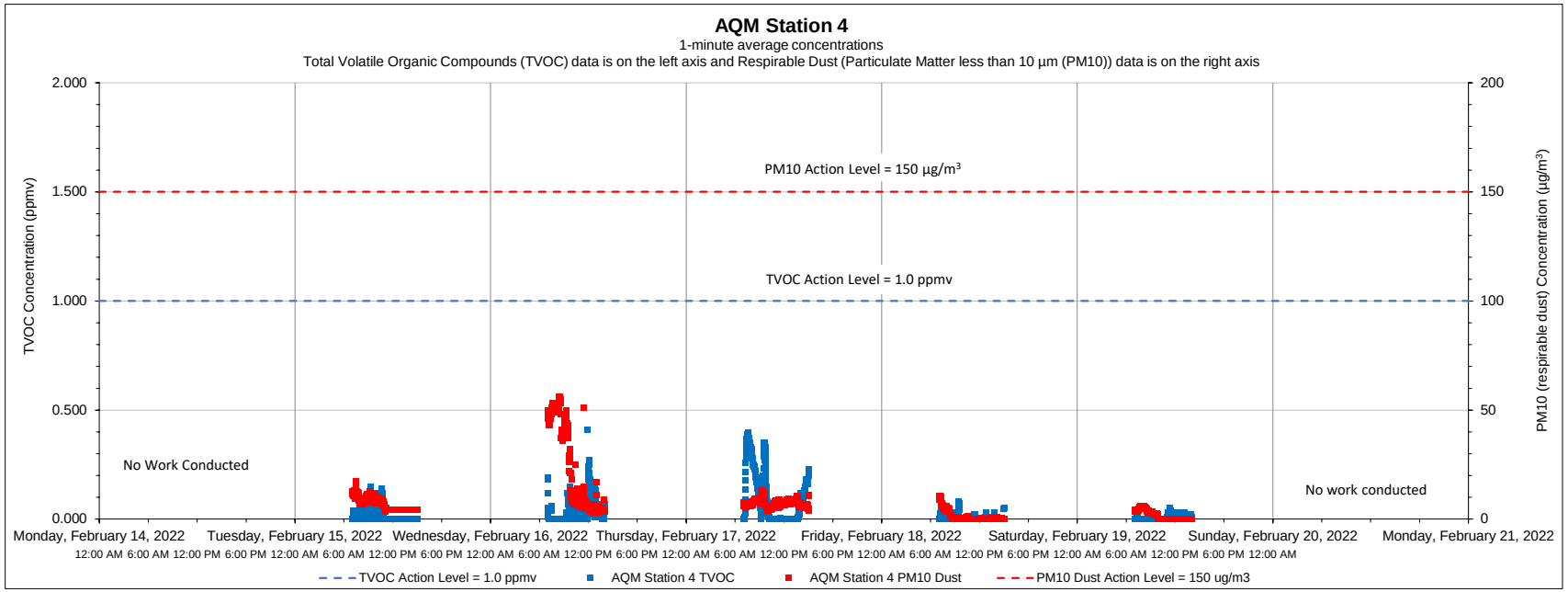

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.55	µg/m³
PM10 maximum concentration	56.00	µg/m³
PM10 action level	150	µg/m³

Notes:

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2/21/2022

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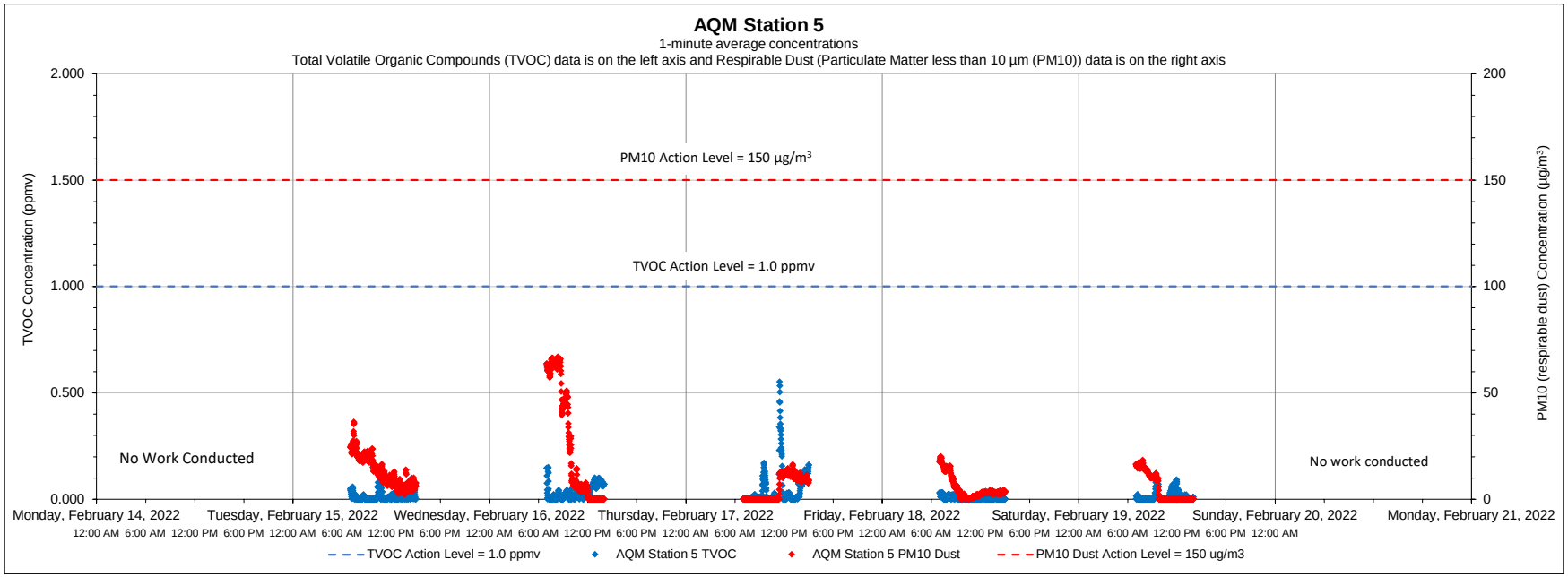

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.55	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.28	µg/m^3
PM10 maximum concentration	66.87	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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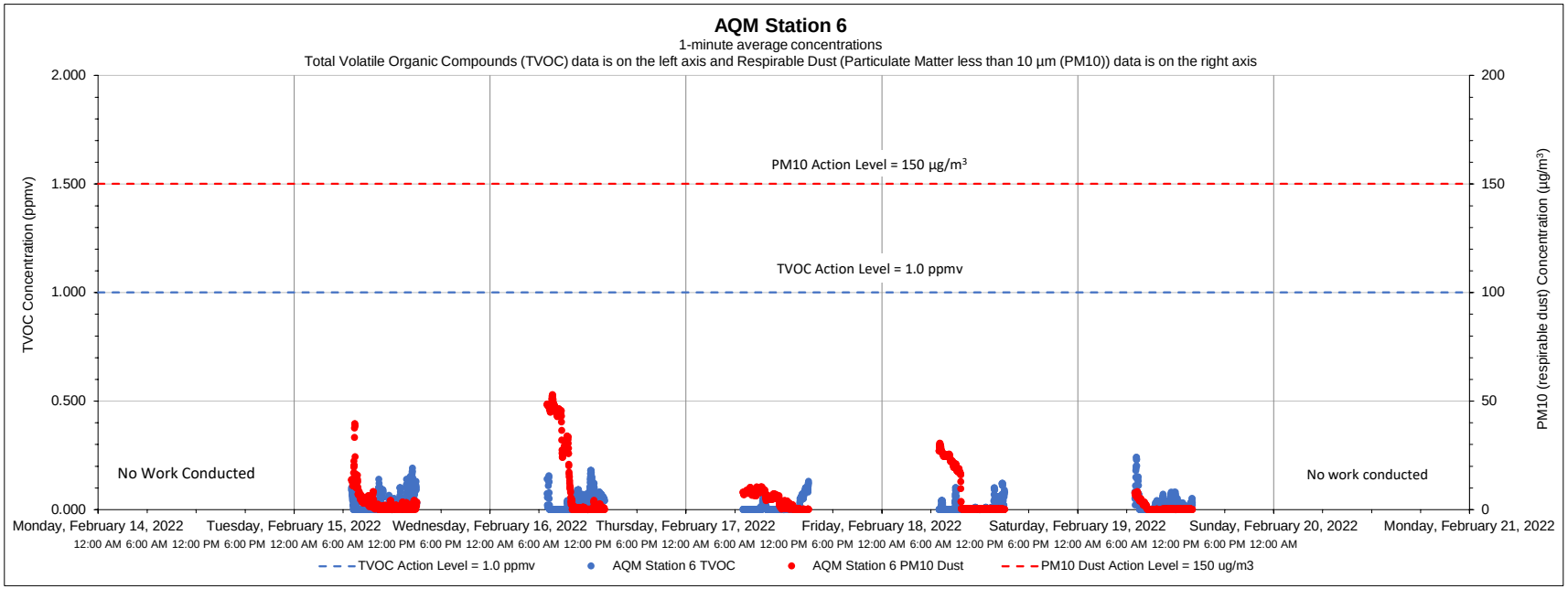

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.40	µg/m^3
PM10 maximum concentration	52.80	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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GZA Job No. 03.0033554.04

2/28/2022

Liquefaction Facility Project -

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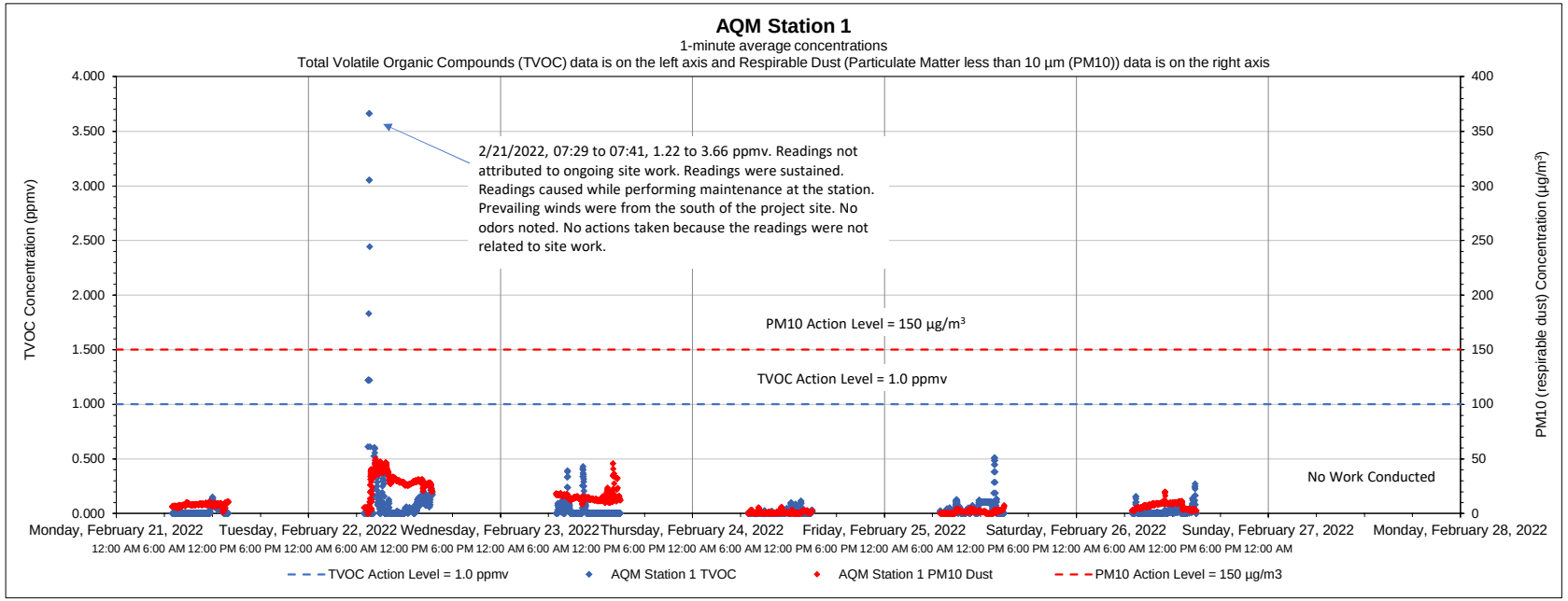

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
2/22/2022	07:29 to 07:41	TVOC	1.22 to 3.66 ppmv	No action taken because were not related to site work..
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	3.66	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.28	µg/m³
PM10 maximum concentration	49.70	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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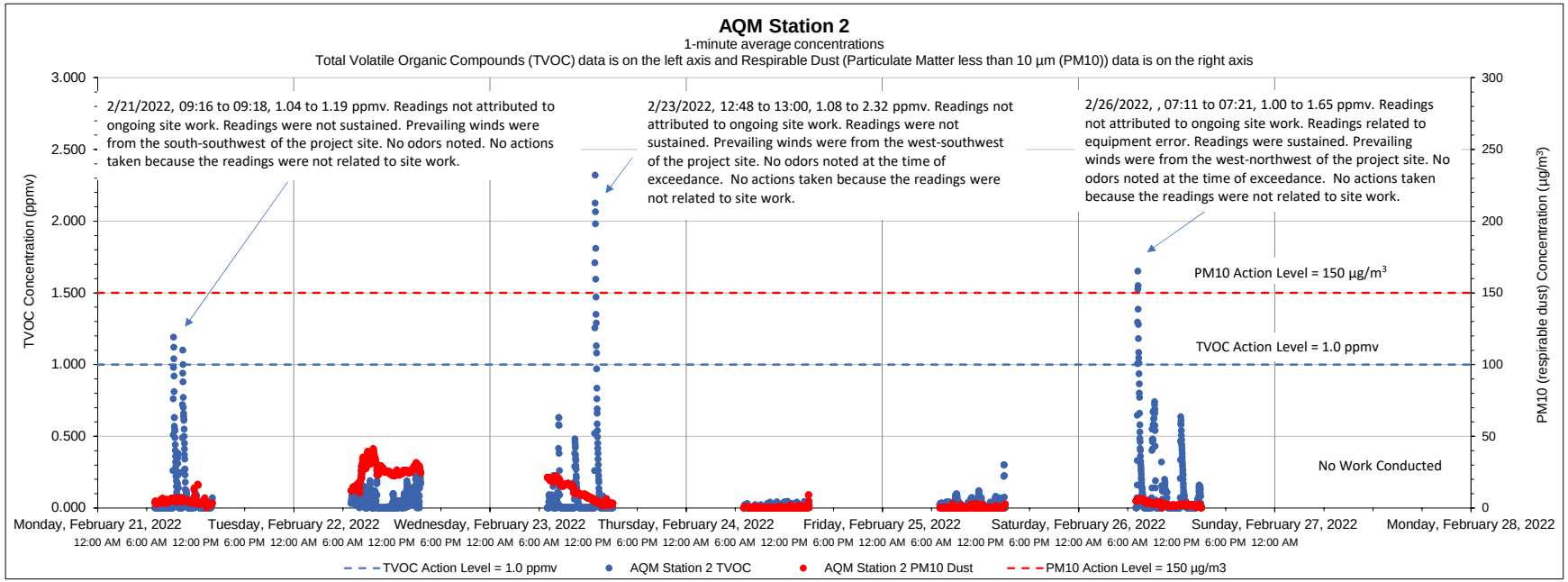

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
2/23/2022	12:48 to 13:00	TVOC	1.08 to 2.32 ppmv	No actions taken because the readings were not related to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	2.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.67	µg/m^3
PM10 maximum concentration	41.17	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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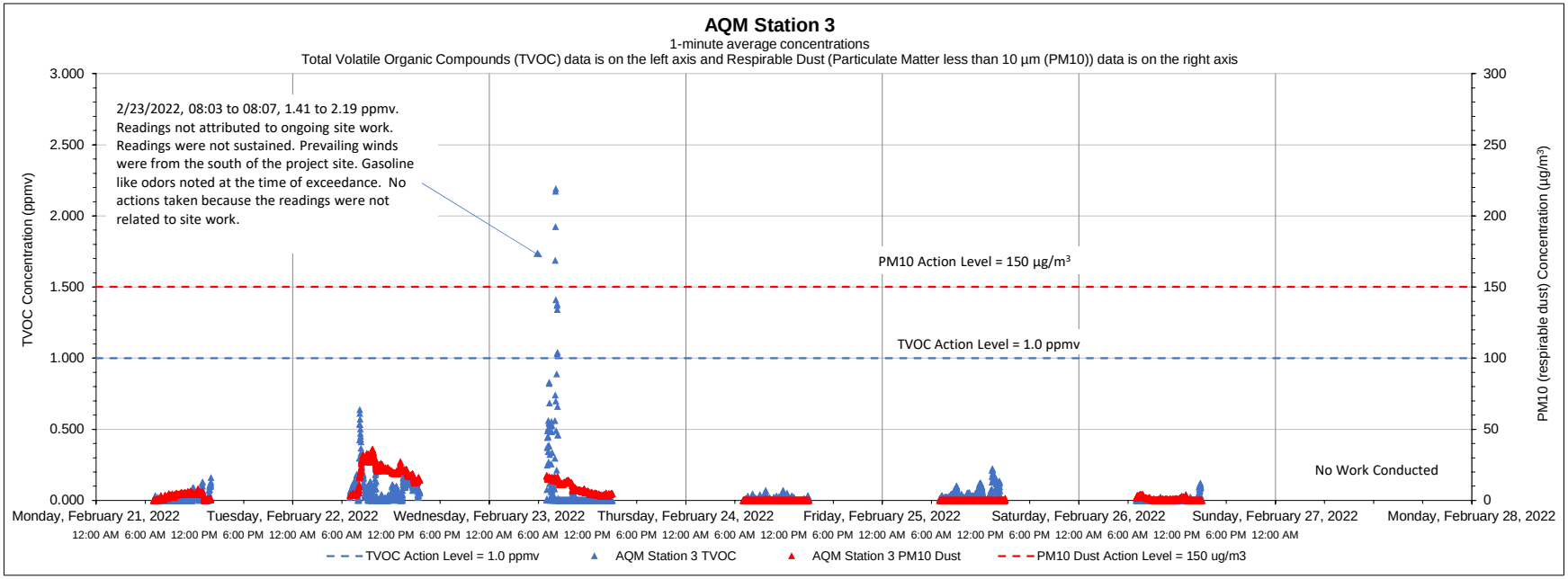

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	2.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.63	µg/m^3
PM10 maximum concentration	35.97	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

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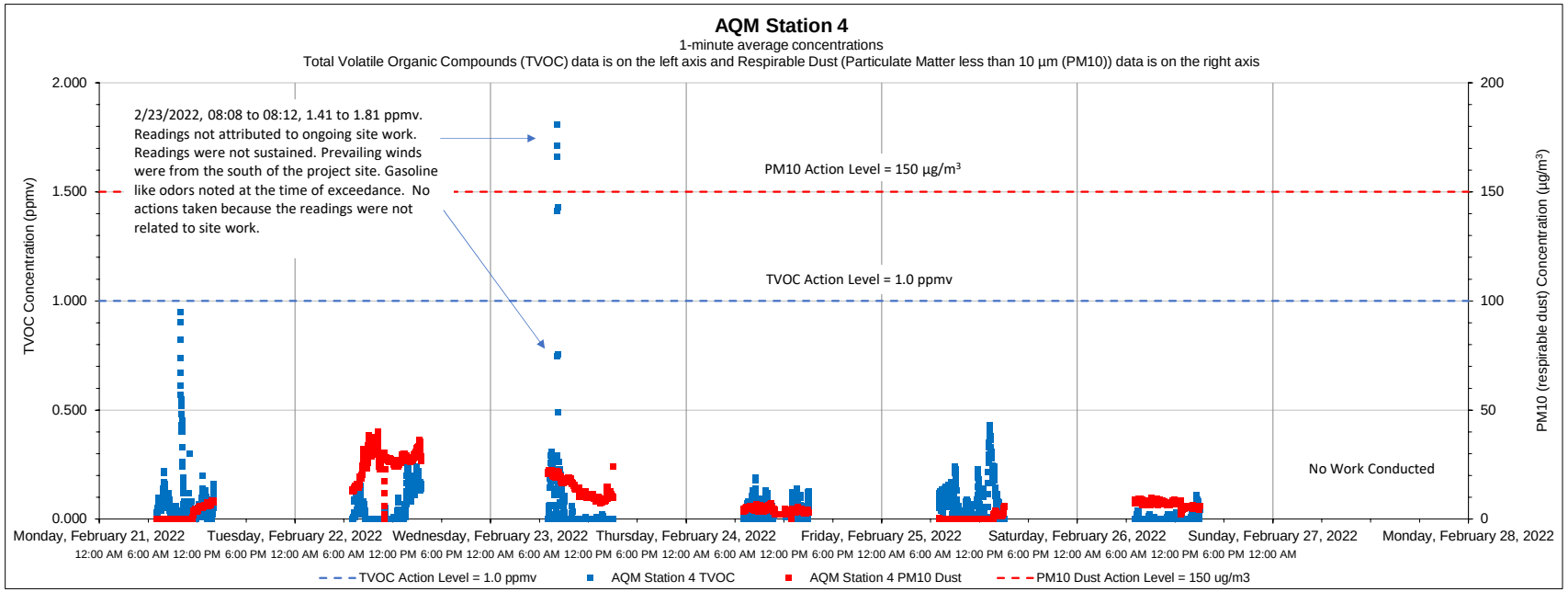


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.81	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.37	µg/m^3
PM10 maximum concentration	39.94	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

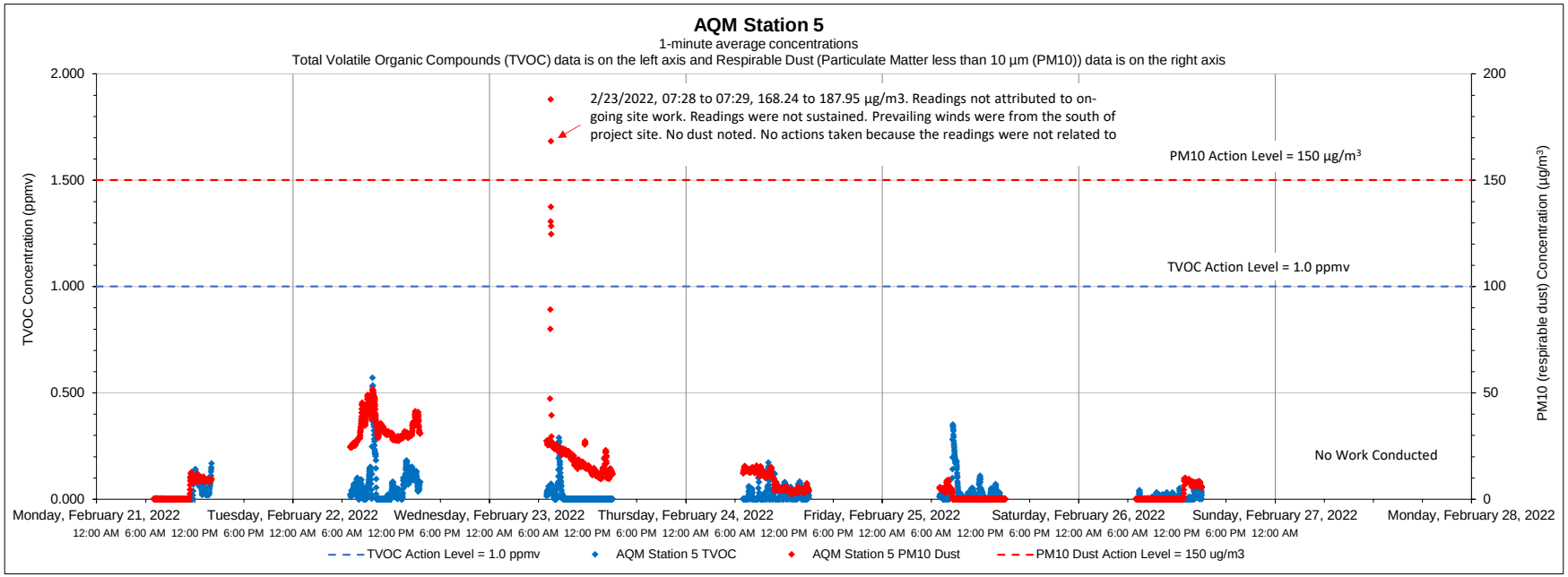
GZA Job No. 03.0033554.04

2/28/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.57	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.72	µg/m^3
PM10 maximum concentration	187.95	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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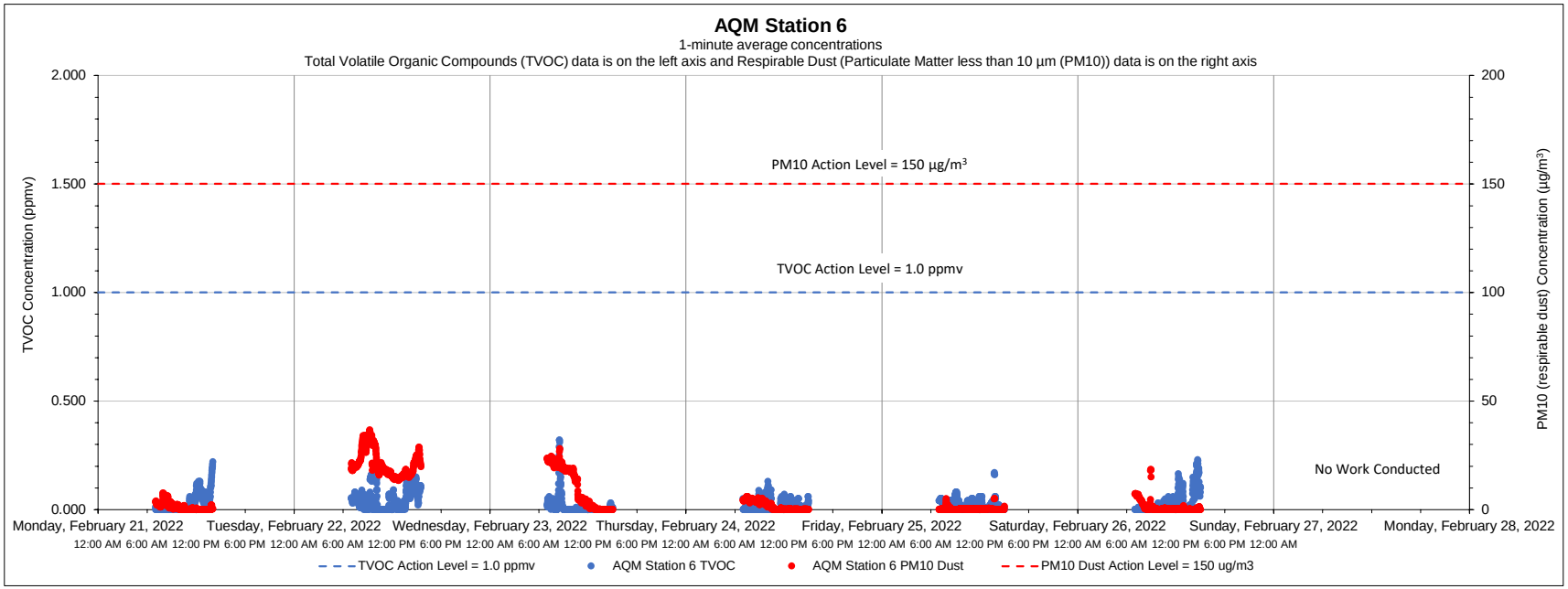

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.09	µg/m^3
PM10 maximum concentration	36.70	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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03/07/2022

Liquefaction Facility Project -

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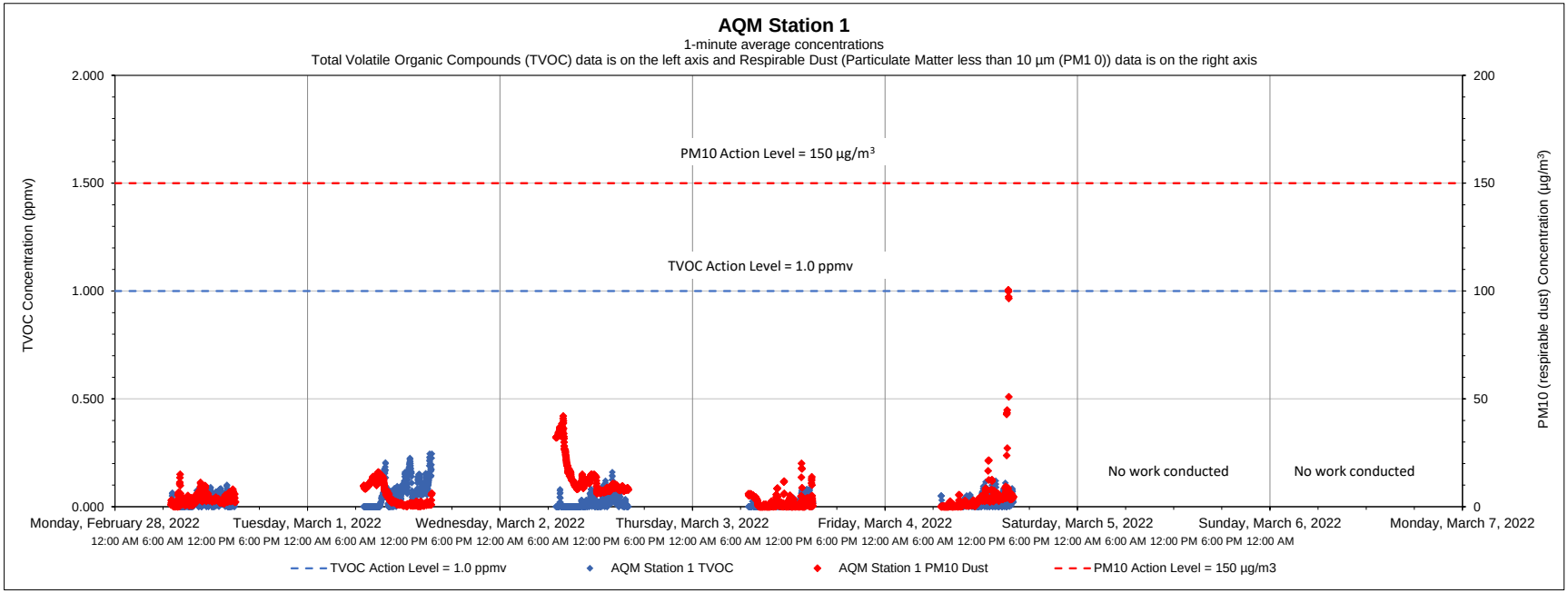

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.58	µg/m³
PM10 maximum concentration	100.60	µg/m³
PM10 action level	150	µg/m³

Notes:

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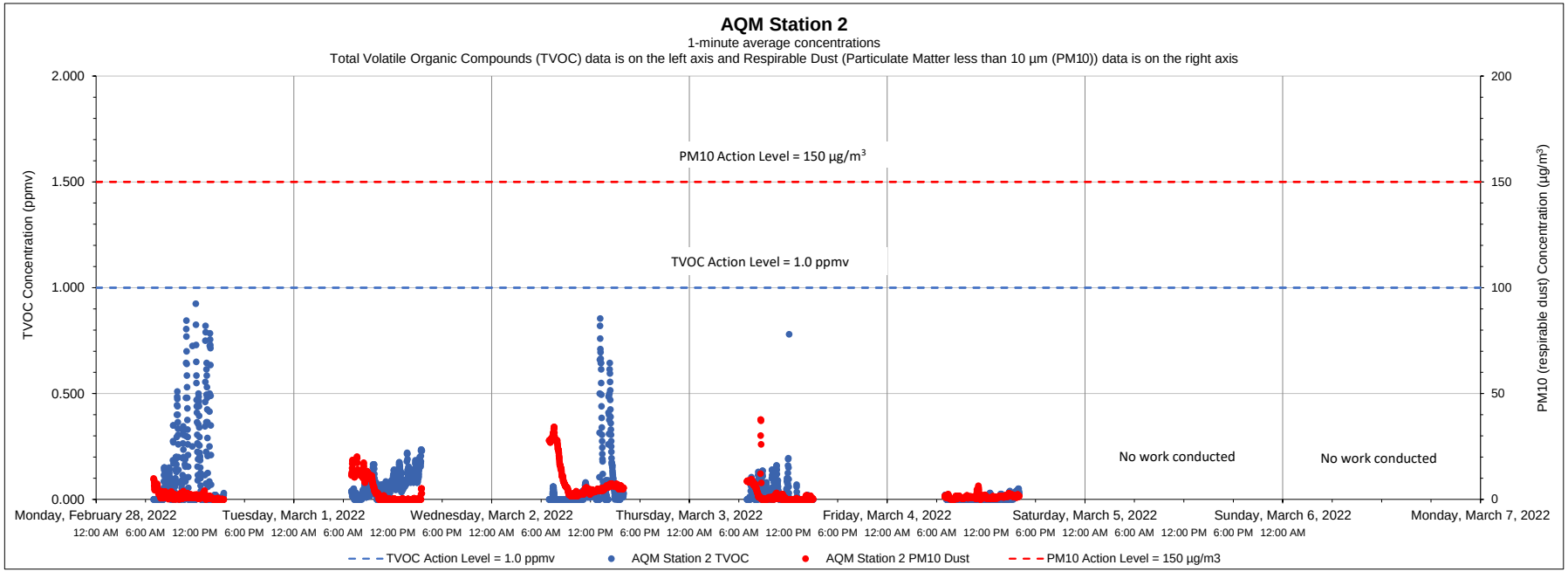

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.92	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.44	µg/m³
PM10 maximum concentration	37.68	µg/m³
PM10 action level	150	µg/m³

Notes:

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Liquefaction Facility Project -

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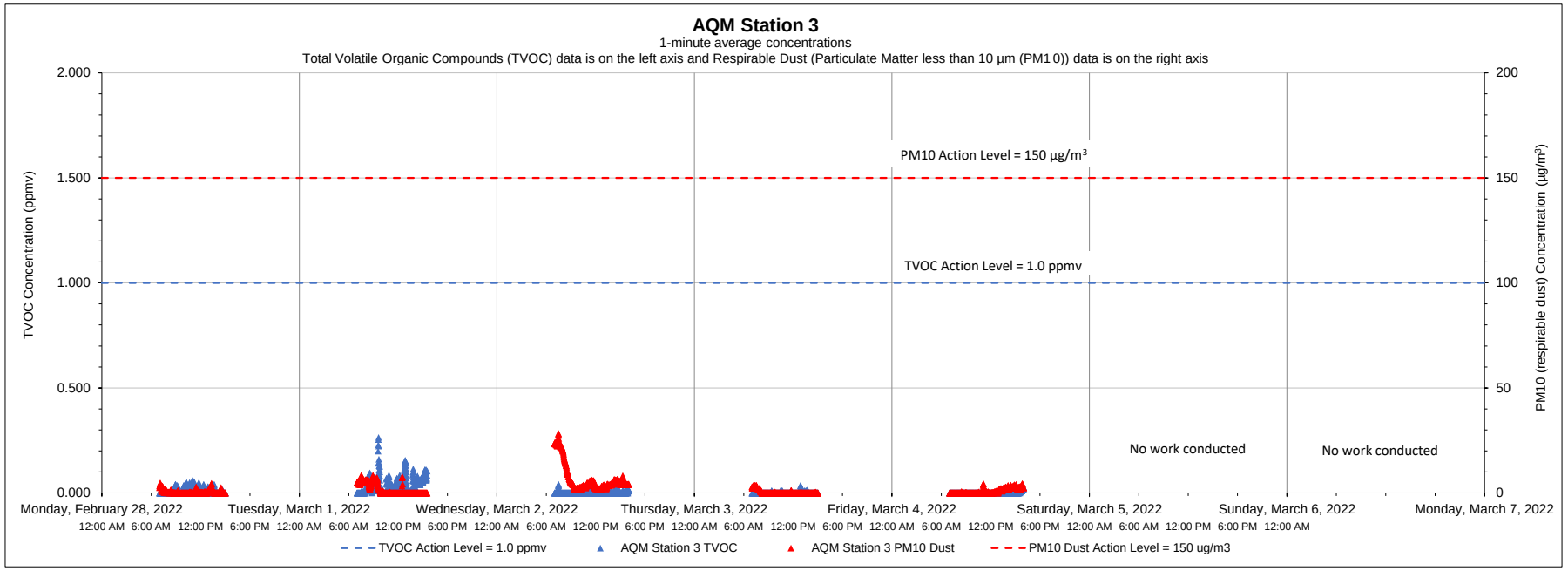

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.26	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.18	µg/m³
PM10 maximum concentration	28.43	µg/m³
PM10 action level	150	µg/m³

Notes:

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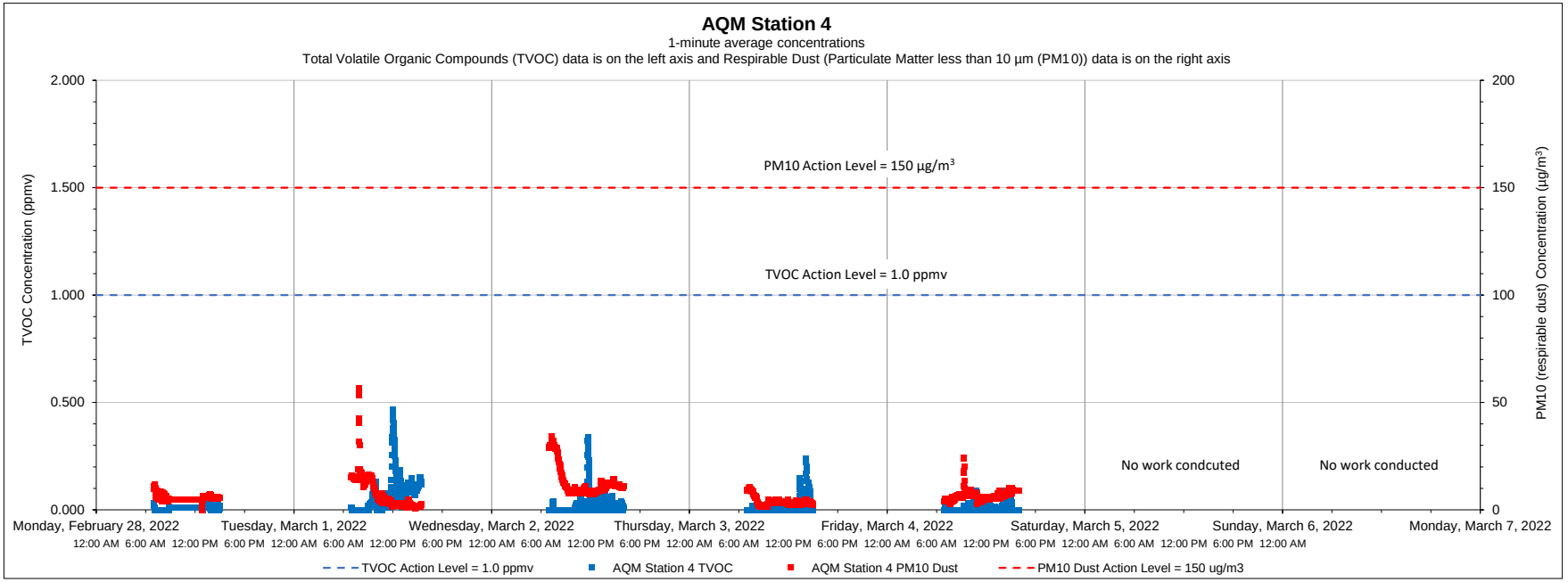

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.47	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.27	µg/m^3
PM10 maximum concentration	56.42	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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Liquefaction Facility Project -

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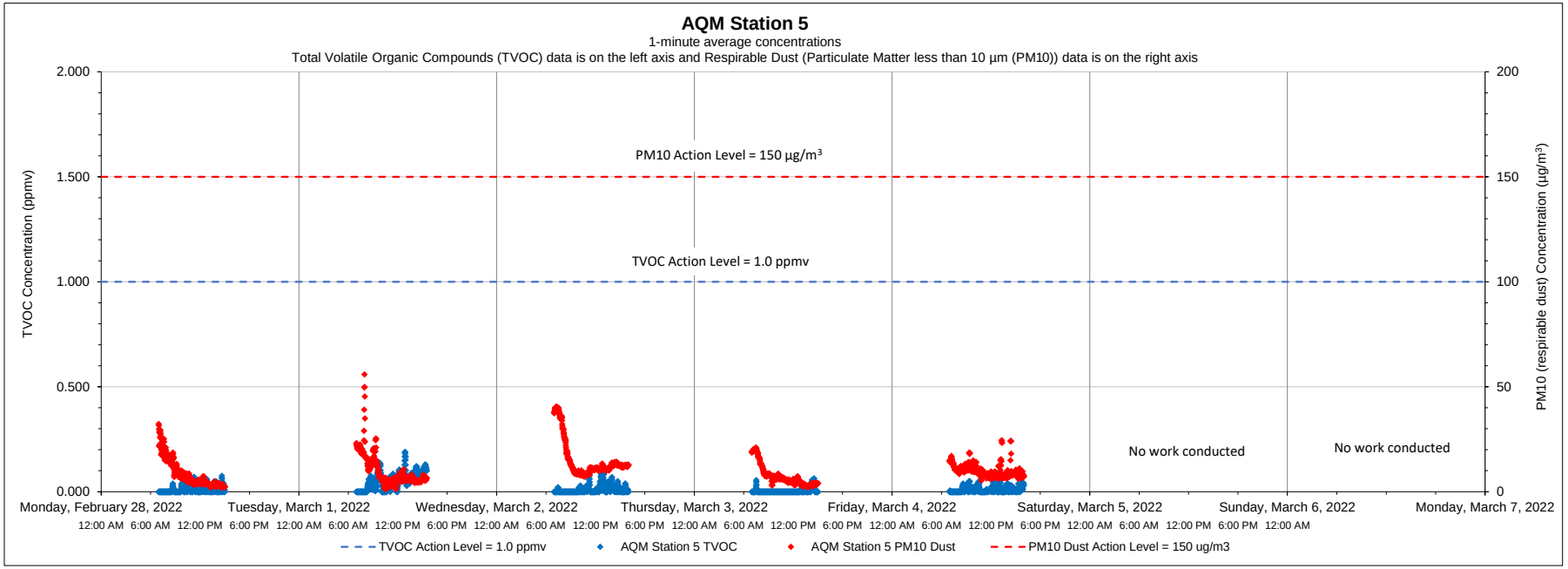

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.08	µg/m^3
PM10 maximum concentration	55.91	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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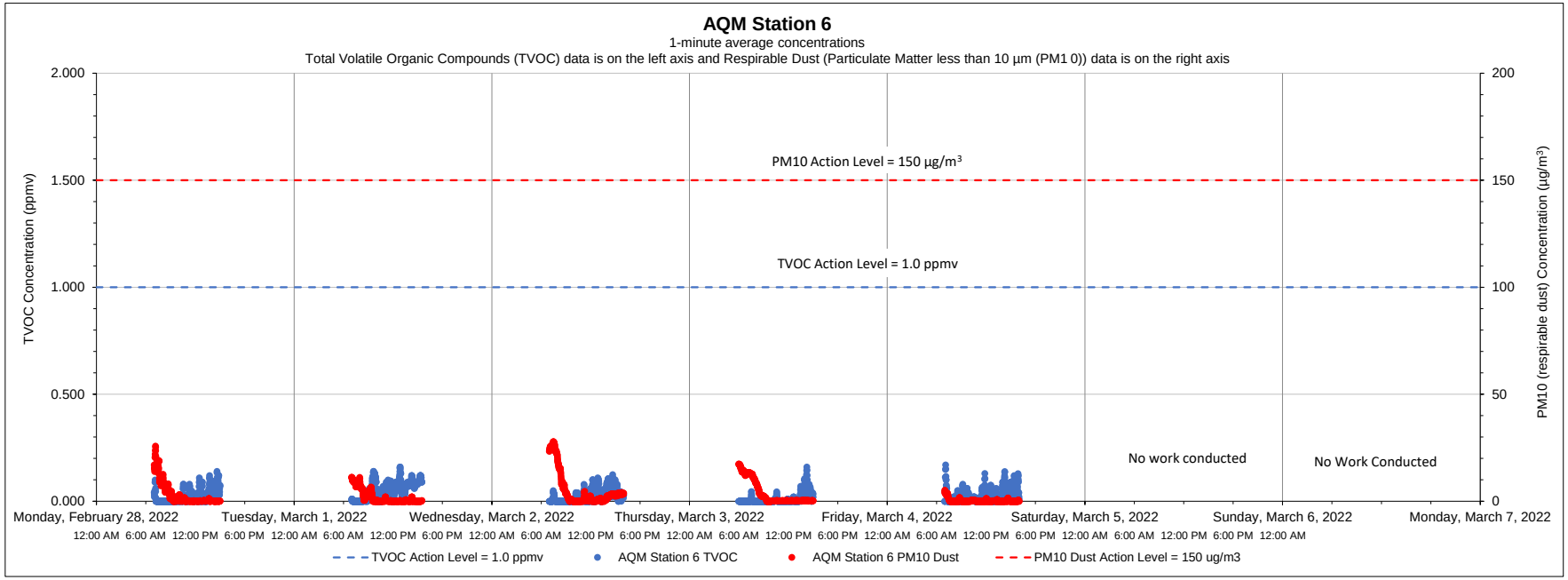

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.17	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.75	µg/m^3
PM10 maximum concentration	27.84	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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Liquefaction Facility Project -

03/14/2022

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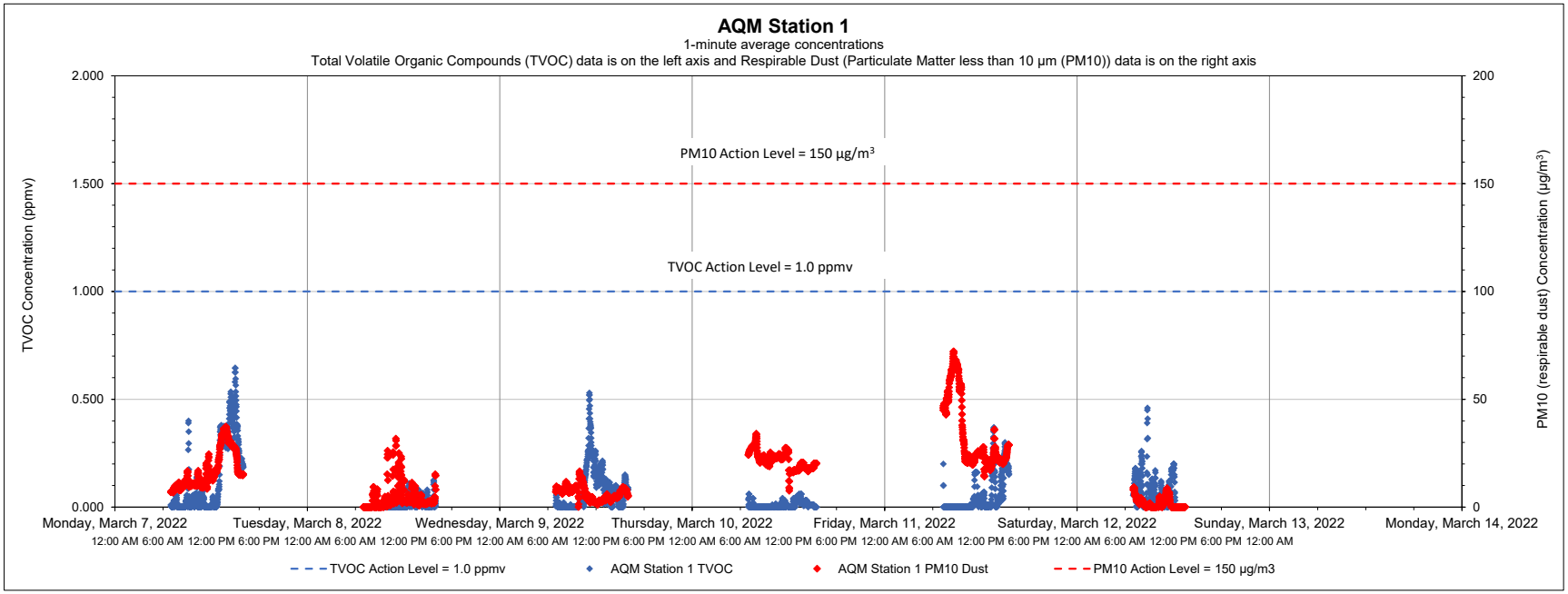

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.64	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.12	µg/m^3
PM10 maximum concentration	72.24	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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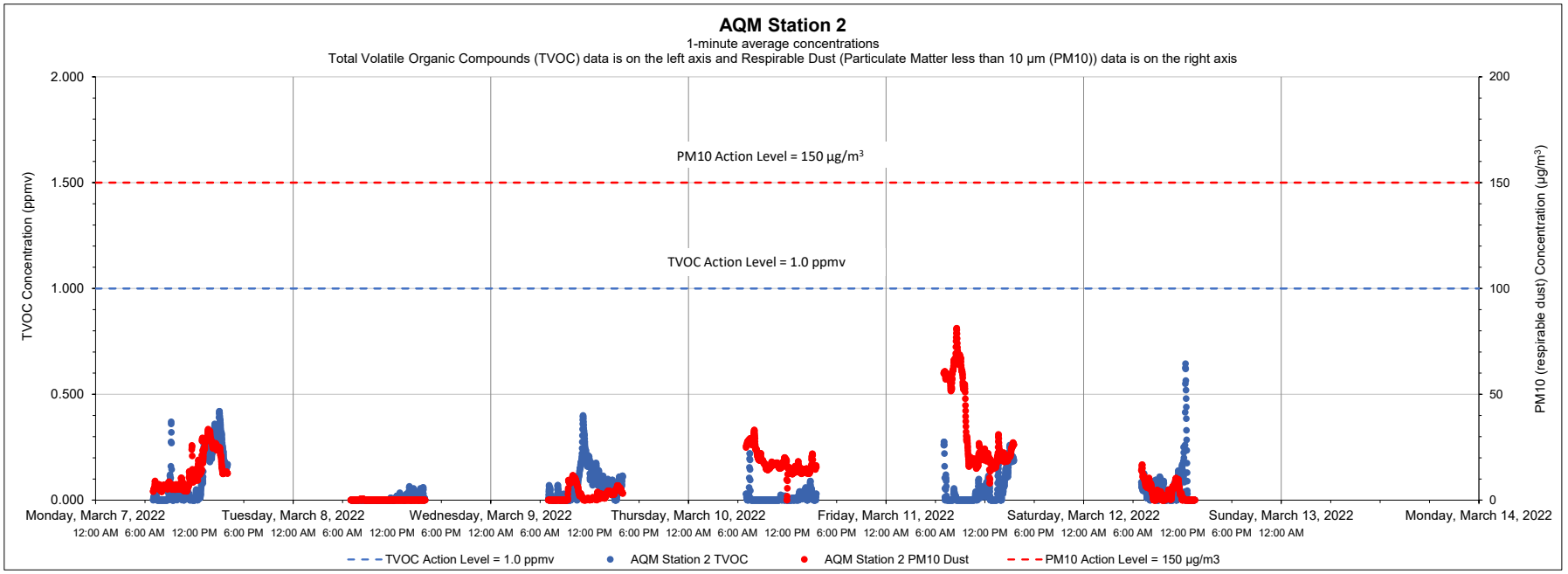

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.64	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.77	µg/m^3
PM10 maximum concentration	81.19	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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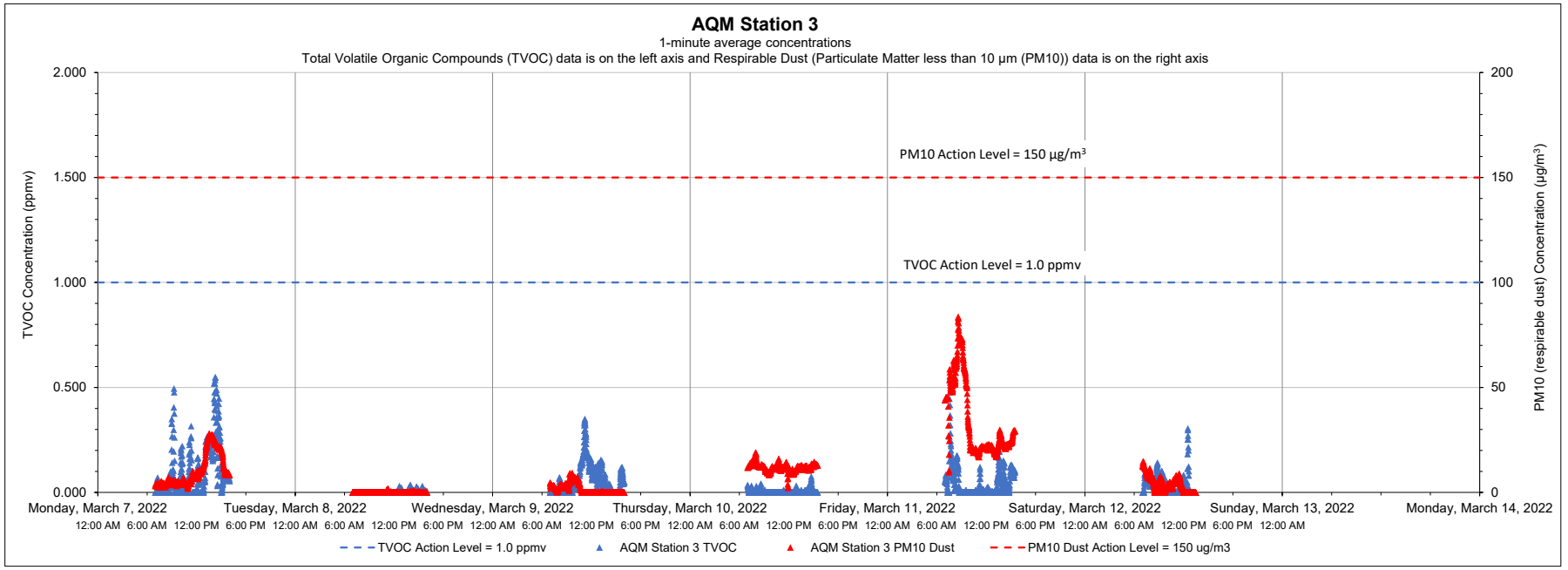

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.55	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.28	µg/m^3
PM10 maximum concentration	83.62	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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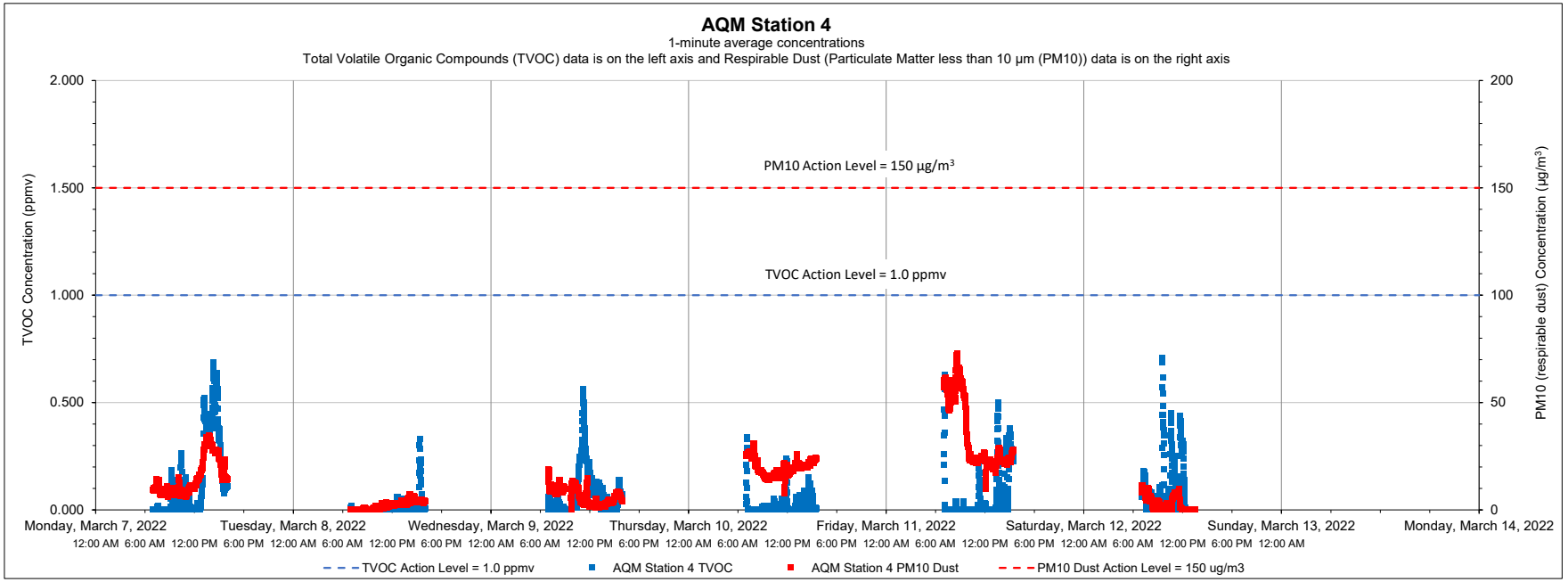

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.71	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.62	µg/m³
PM10 maximum concentration	72.88	µg/m³
PM10 action level	150	µg/m³

Notes:

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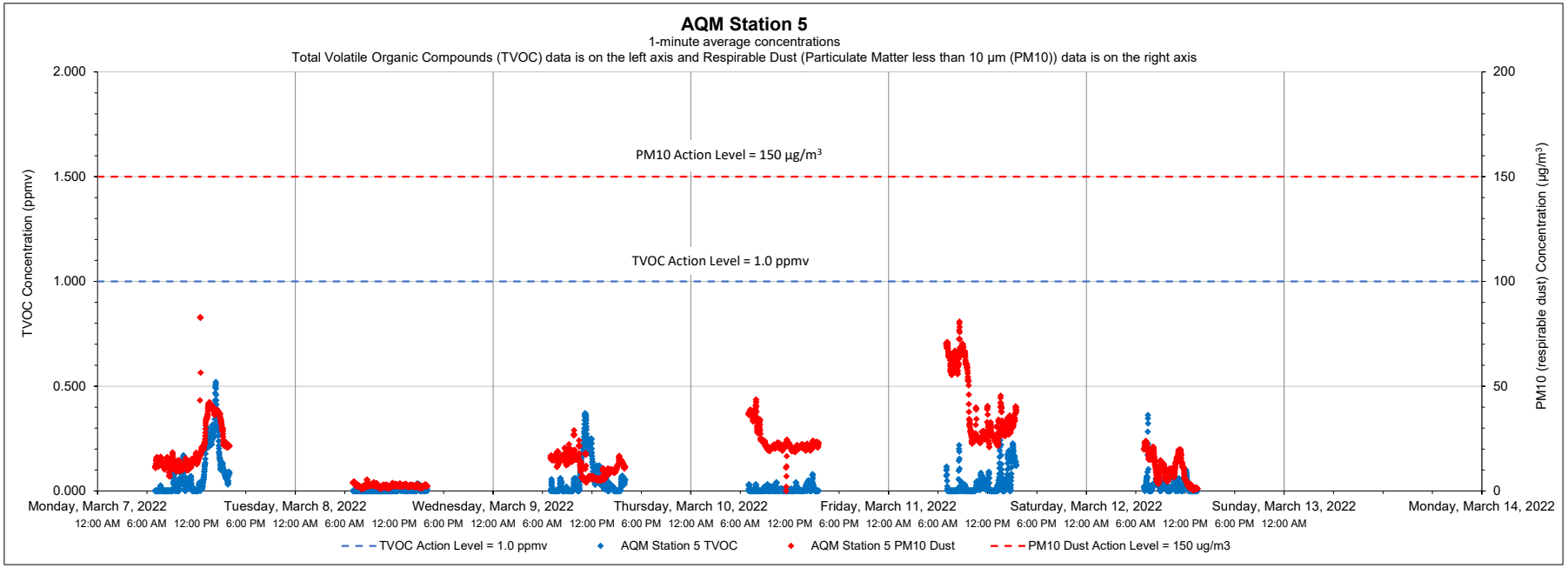

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.52	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.12	µg/m³
PM10 maximum concentration	82.87	µg/m³
PM10 action level	150	µg/m³

Notes:

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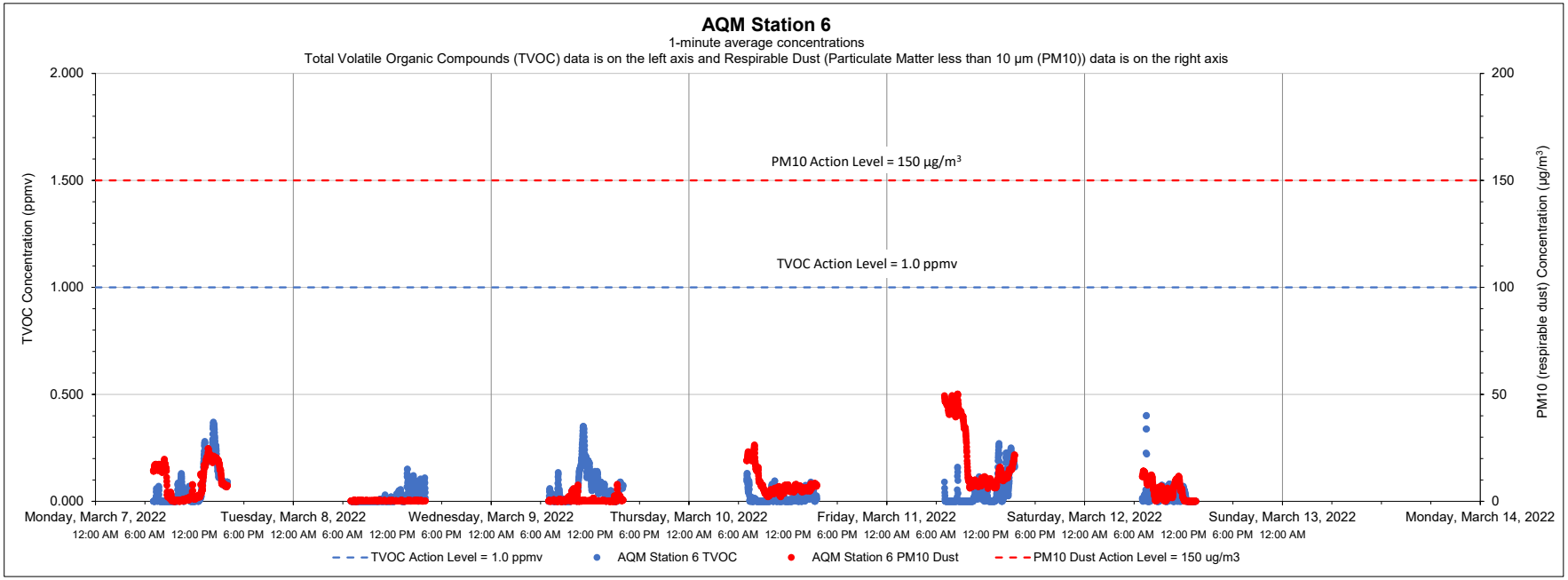

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.18	µg/m³
PM10 maximum concentration	50.14	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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LEGEND:

642 ALLENS AVENUE FORMER MGP SITE

PROJECT WORK SITE

STRAP AREA (LIMITS OF GROUNDWATER AND SOIL DISTURBANCE)

AIR QUALITY MONITORING (AQM) STATION

REFERENCE NOTES:

1. BASE MAP DEVELOPED FROM A GOOGLE PROFESSIONAL ELECTRONIC IMAGE FILE. DIGITAL AERIAL ORTHOPHOTOGRAPHY WAS PUBLISHED IN FEBRUARY 2018.
2. SITE BOUNDARIES ARE APPROXIMATE.
3. PERIMETER AIR MONITORING PROGRAM CONDUCTED AS DESCRIBED IN THE MAY 12, 2017 SHORT TERM RESPONSE ACTION PLAN (STRAP) AND OCTOBER 11, 2017 STRAP ADDENDUM, WHICH WERE APPROVED BY RIDEM WITH THE OCTOBER 27, 2017 STRAP APPROVAL.

N
W E
S

0 100' 200' 400'
SCALE IN FEET 1" = 200'

THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY NATIONAL GRID OR THE NATIONAL GRID'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA AND NATIONAL GRID. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA AND NATIONAL GRID, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA AND NATIONAL GRID.

NATIONAL GRID FIELDS POINT LIQUEFACTION PROJECT
642 ALLENS AVENUE
PROVIDENCE, RHODE ISLAND

☐Summary Figure
Week of 03-07-2022

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		nationalgrid	
PROJ MGR: SDN	REVIEWED BY: MSK	CHECKED BY: MSK	FIGURE 1
DESIGNED BY: SDN	DRAWN BY: LDT	SCALE: AS NOTED	
DATE: W/O 02-28-2022	PROJECT NO. 33554.04	REVISION NO. 0	SHEET NO.

2019 — GZA GeoEnvironmental, Inc. GZA–J:\ENV\33554.60.MSK\FIGURES\CAD\DWGS\33554.60_11X17 AERIAL–UPDATED FEB 2022.DWG ANSI B – 17X11 FEBRUARY 7, 2022 LISA THERIAULT

Prepared by GZA on behalf of National Grid LNG LLC

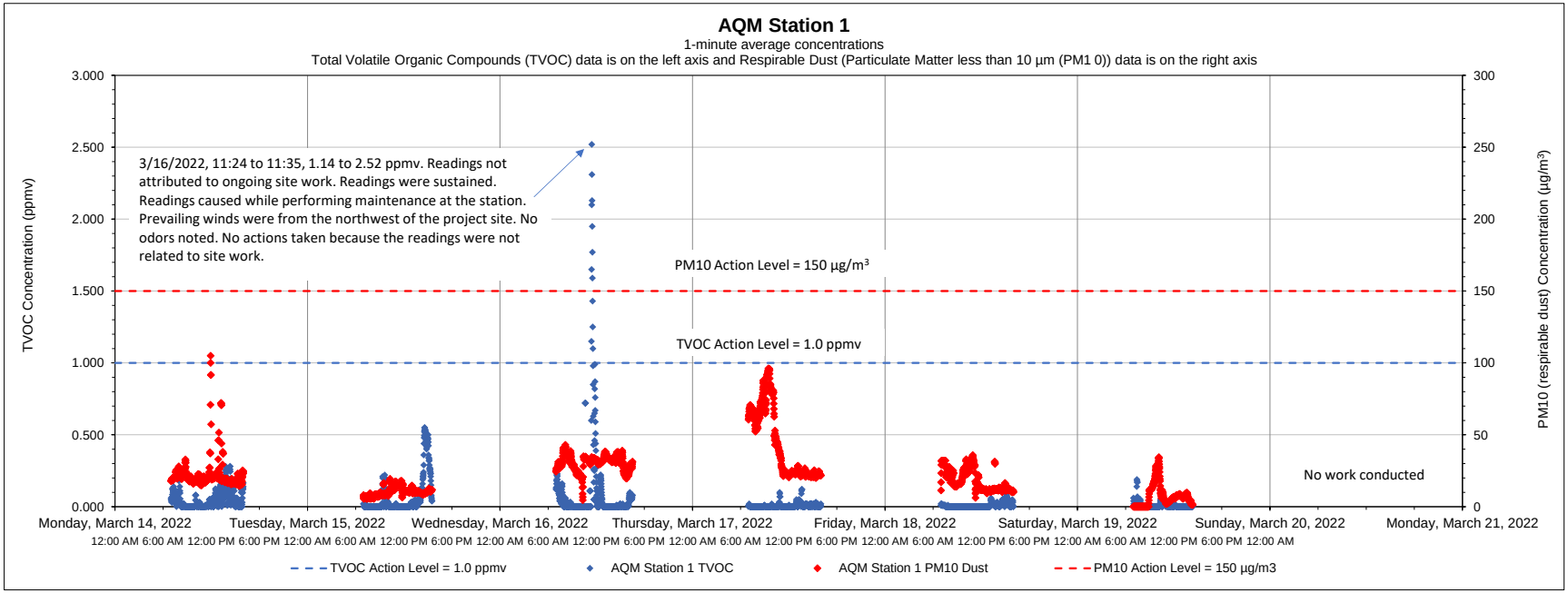
GZA Job No. 03.0033554.04

03/21/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
3/16/2022	11:24 to 11:35	TVOC	1.14 to 2.52 ppmv	No action taken because readings were not related to site work.
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	2.52	ppm
TVOCs action level	1	ppm
PM10 average concentration	22.20	µg/m³
PM10 maximum concentration	105.04	µg/m³
PM10 action level	150	µg/m³

Notes:

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Prepared by GZA on behalf of National Grid LNG LLC

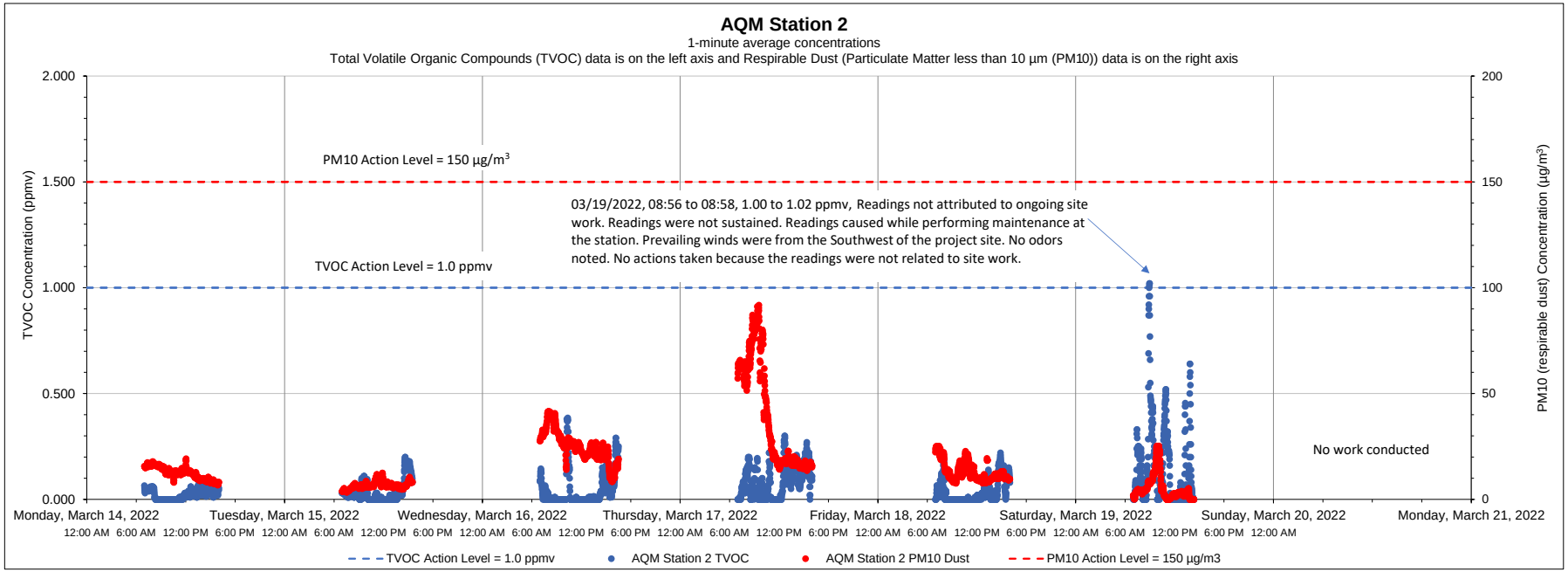
GZA Job No. 03.0033554.04

03/21/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.02	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.26	µg/m³
PM10 maximum concentration	91.77	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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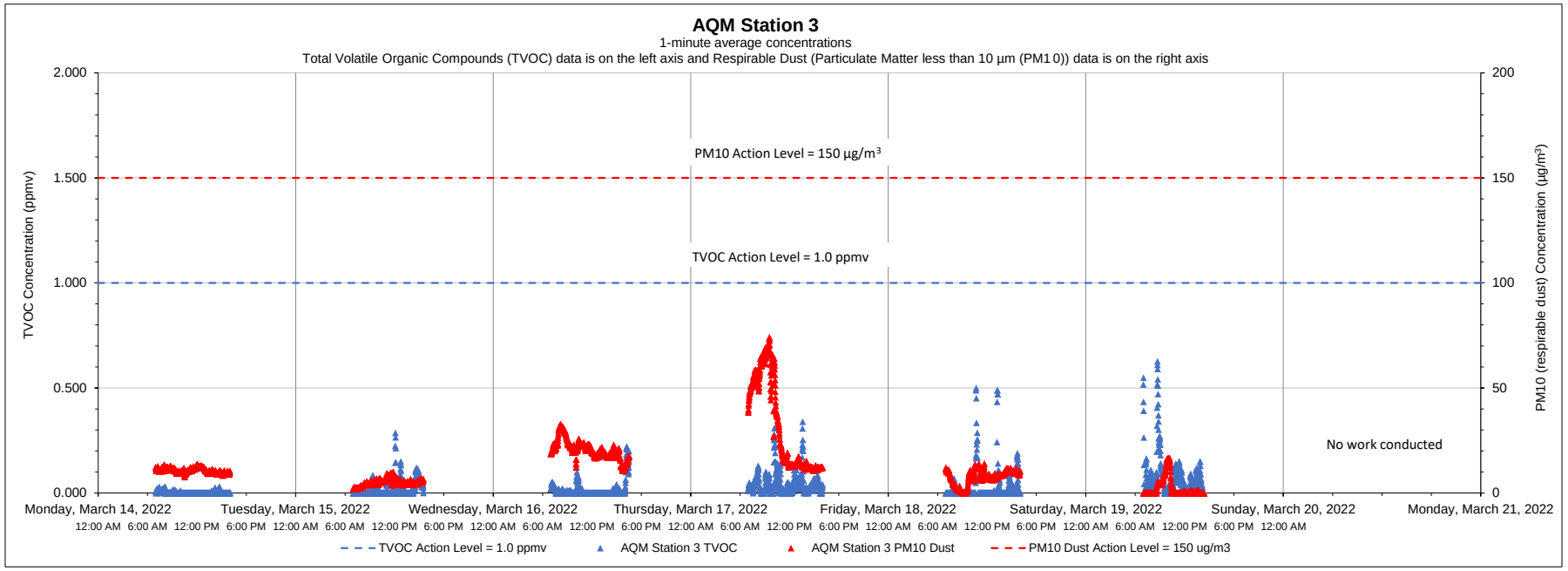

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.63	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.41	µg/m³
PM10 maximum concentration	74.07	µg/m³
PM10 action level	150	µg/m³

Notes:

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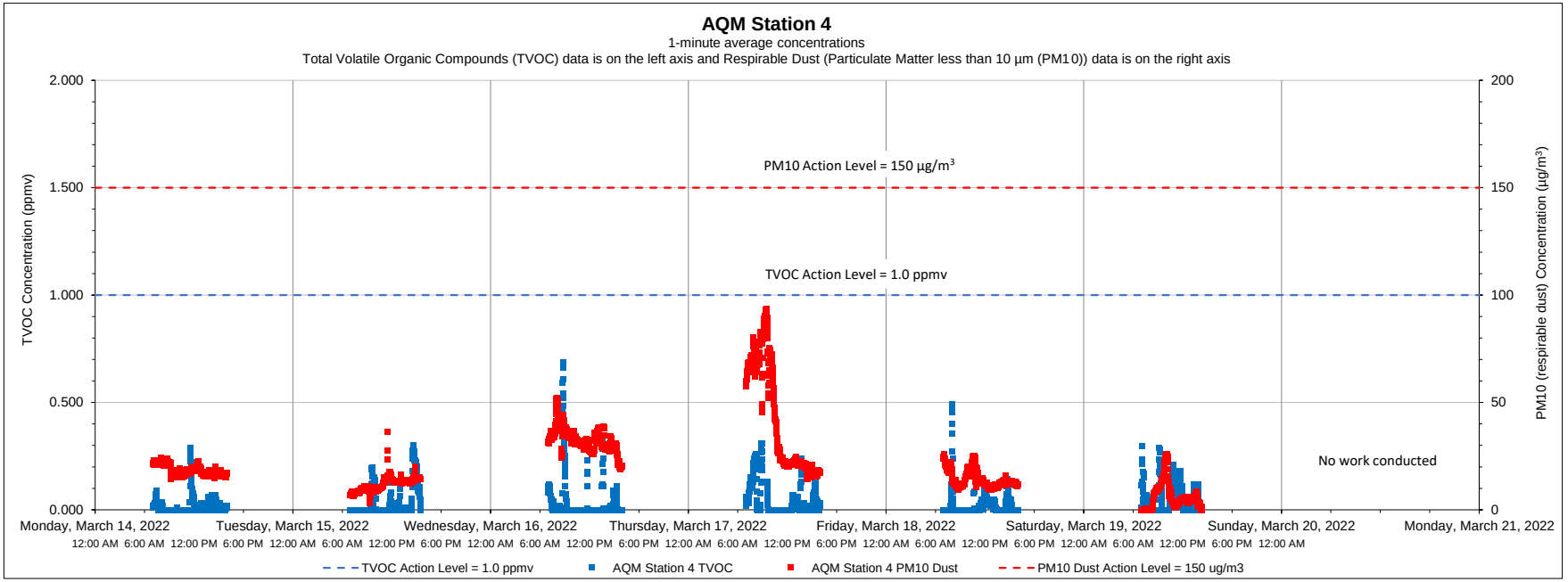

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.69	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.03	µg/m^3
PM10 maximum concentration	93.41	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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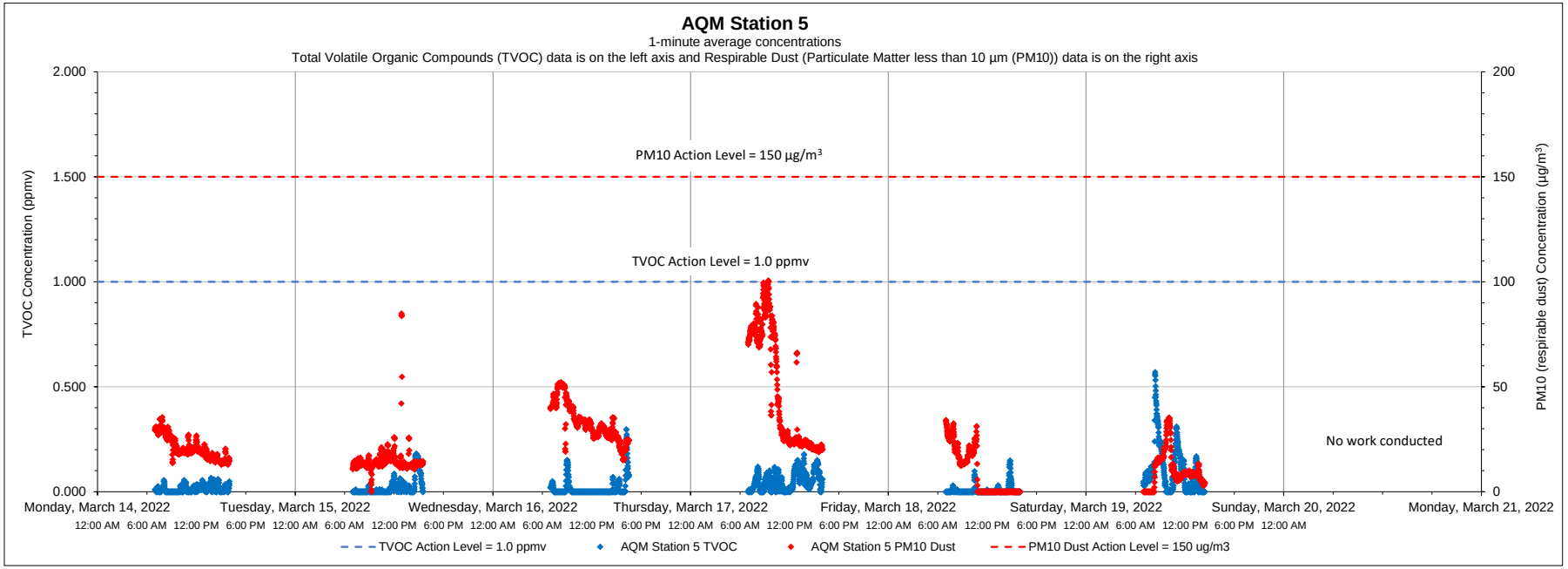

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.57	ppm
TVOCs action level	1	ppm
PM10 average concentration	22.70	µg/m^3
PM10 maximum concentration	100.56	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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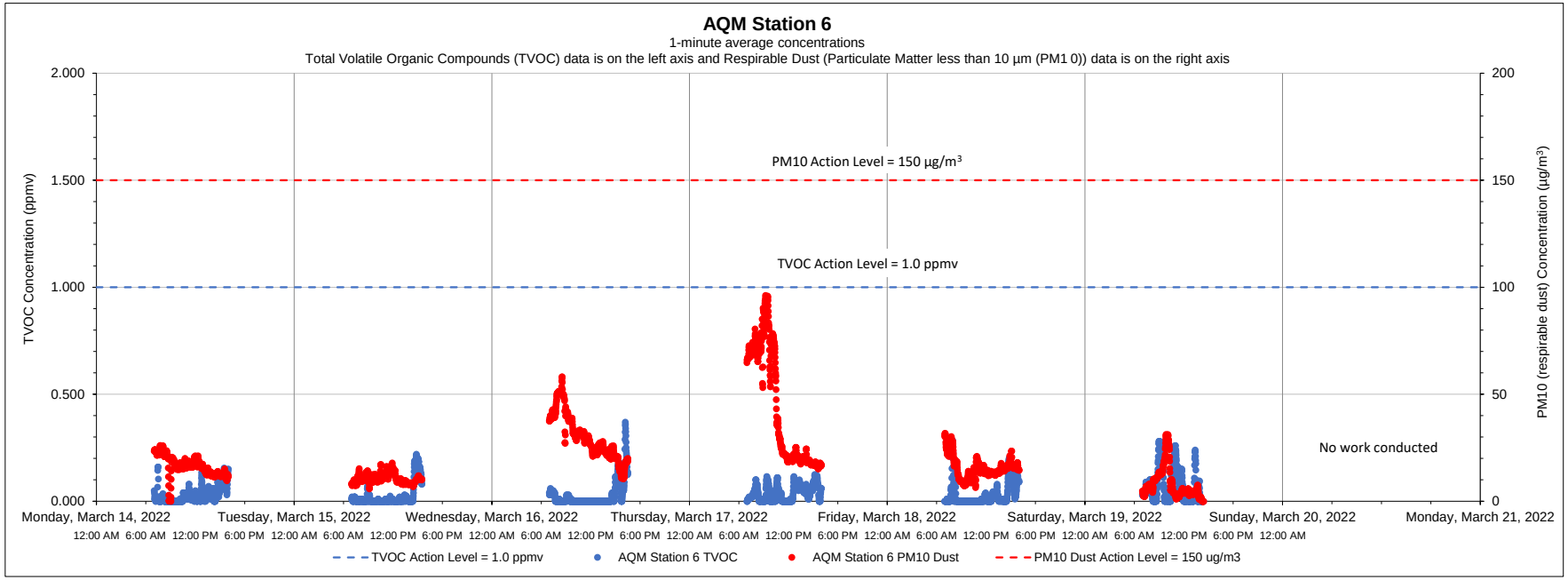

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.37	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.82	µg/m^3
PM10 maximum concentration	96.17	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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03/28/2022

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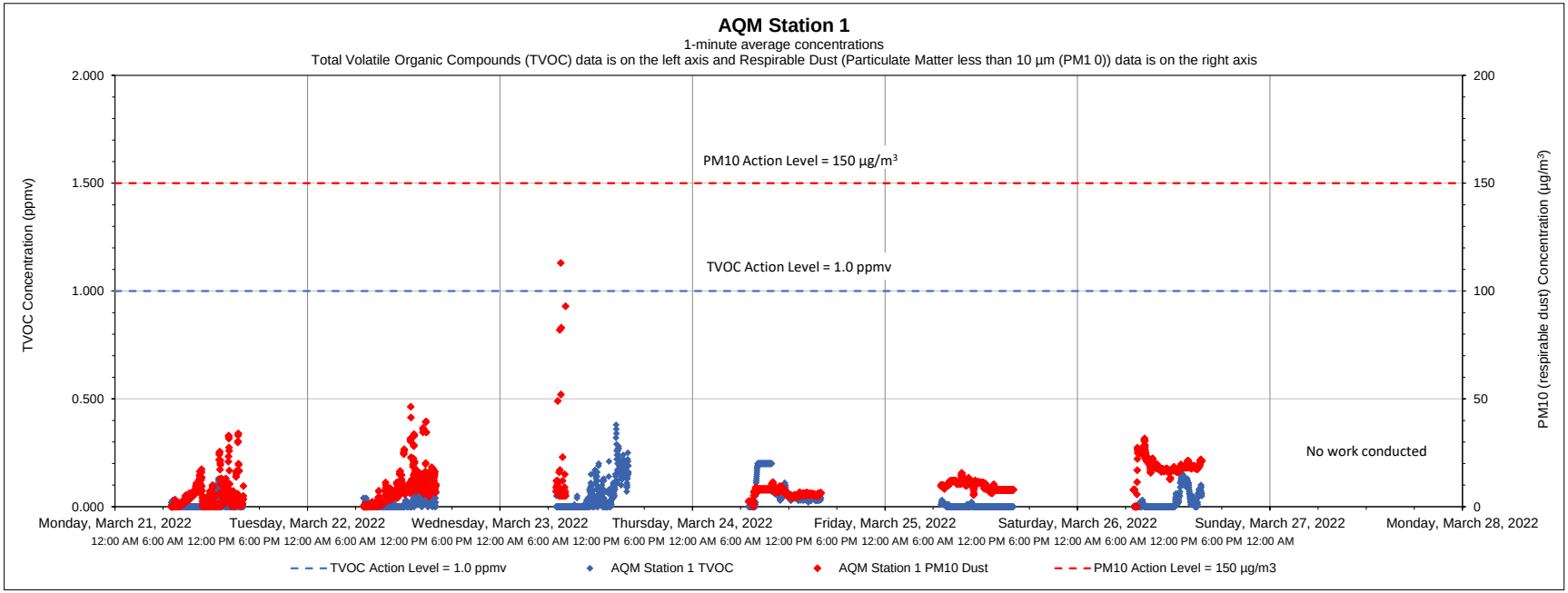

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
Station 1 was down from 8:11 to 16:01 due to human error. TVOCs and respirable dust readings from all other stations and the work zone were less than action levels.				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.38	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.49	µg/m^3
PM10 maximum concentration	113.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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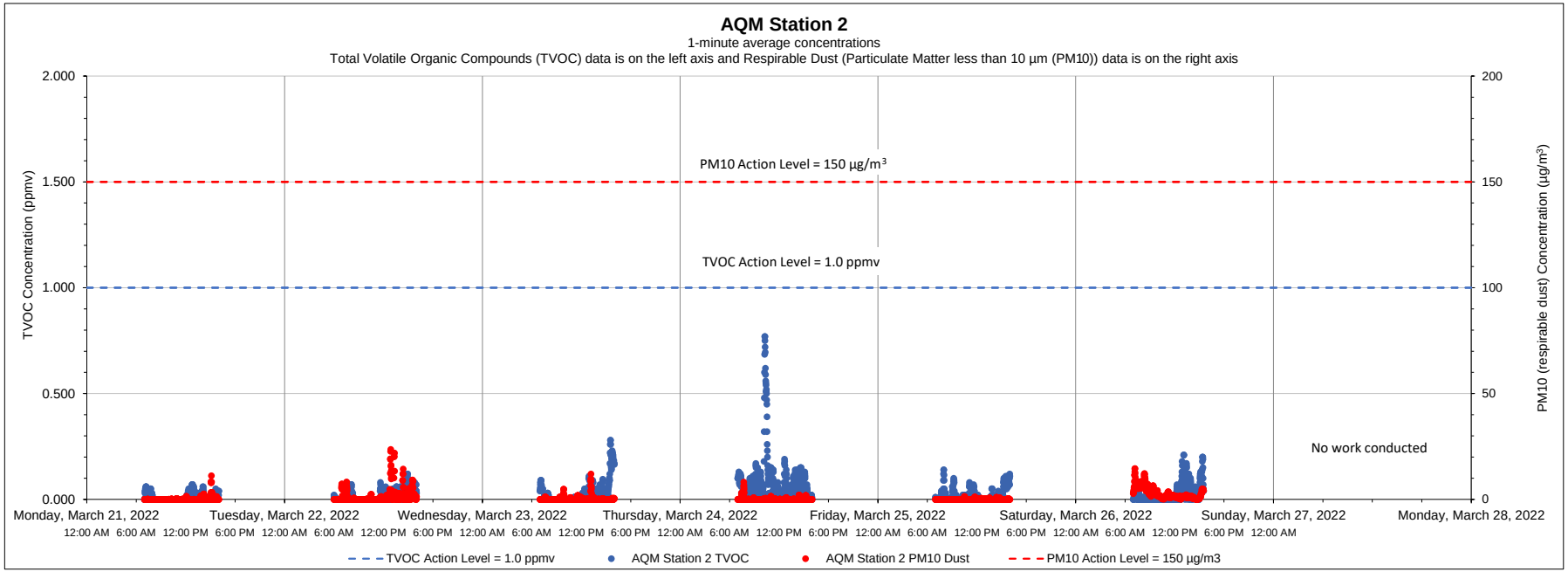

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.77	ppm
TVOCs action level	1	ppm
PM10 average concentration	0.80	µg/m³
PM10 maximum concentration	23.62	µg/m³
PM10 action level	150	µg/m³

Notes:

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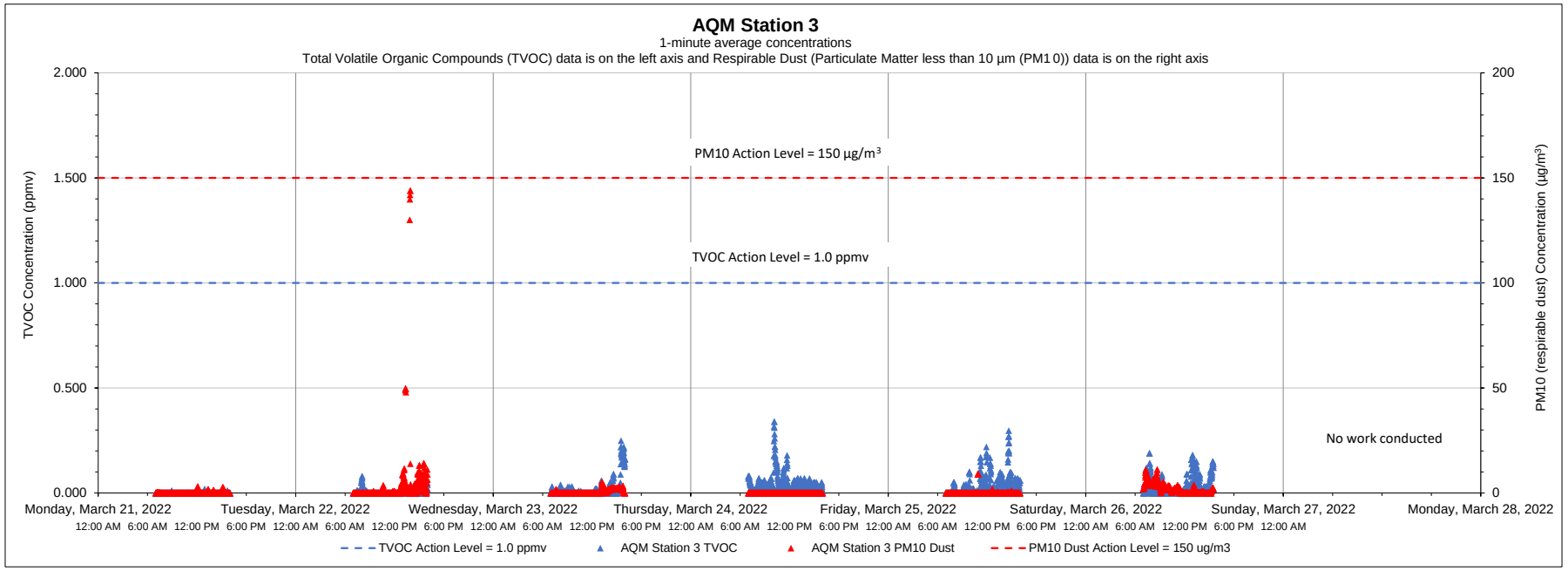

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.34	ppm
TVOCs action level	1	ppm
PM10 average concentration	1.00	µg/m³
PM10 maximum concentration	144.02	µg/m³
PM10 action level	150	µg/m³

Notes:

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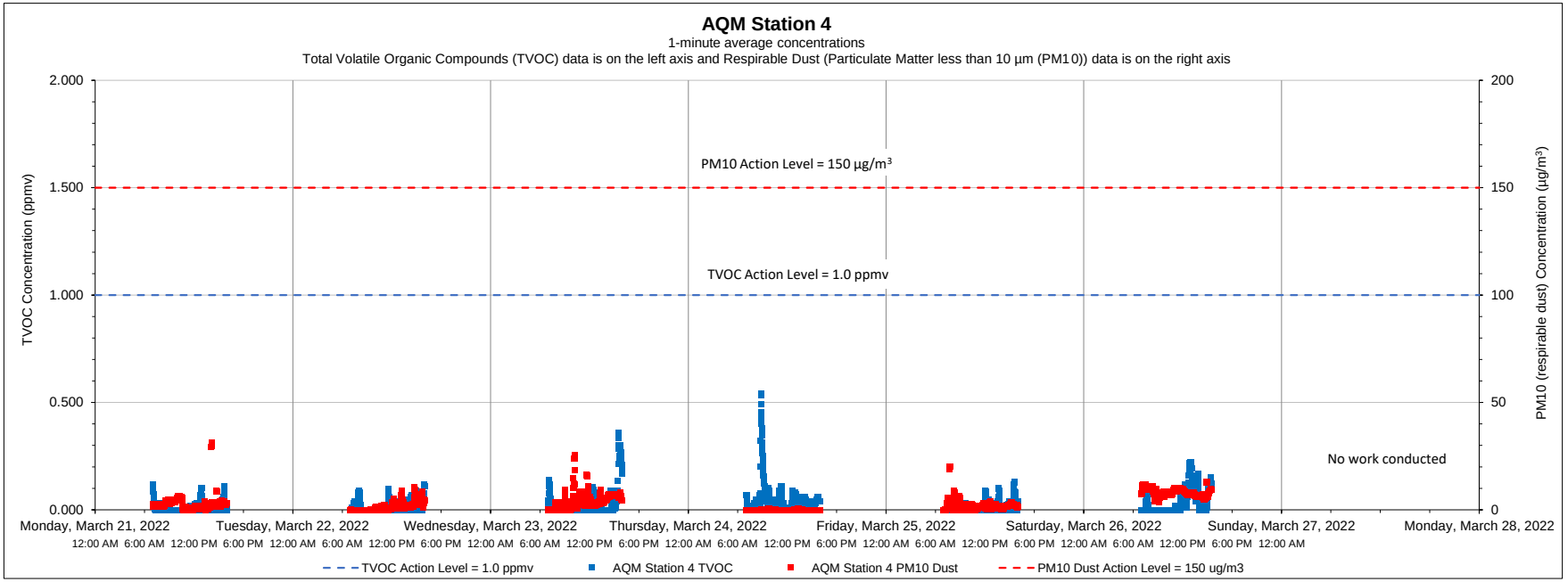

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.54	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.82	µg/m^3
PM10 maximum concentration	31.27	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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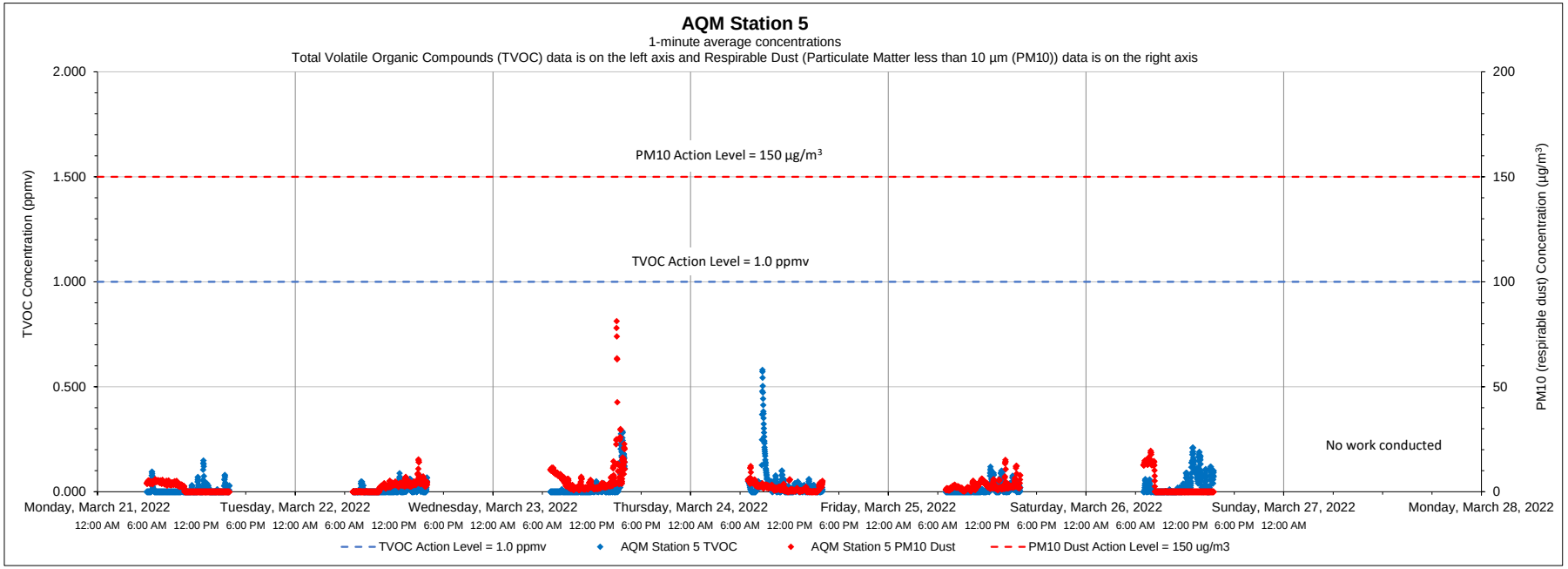

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.58	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.77	µg/m^3
PM10 maximum concentration	81.31	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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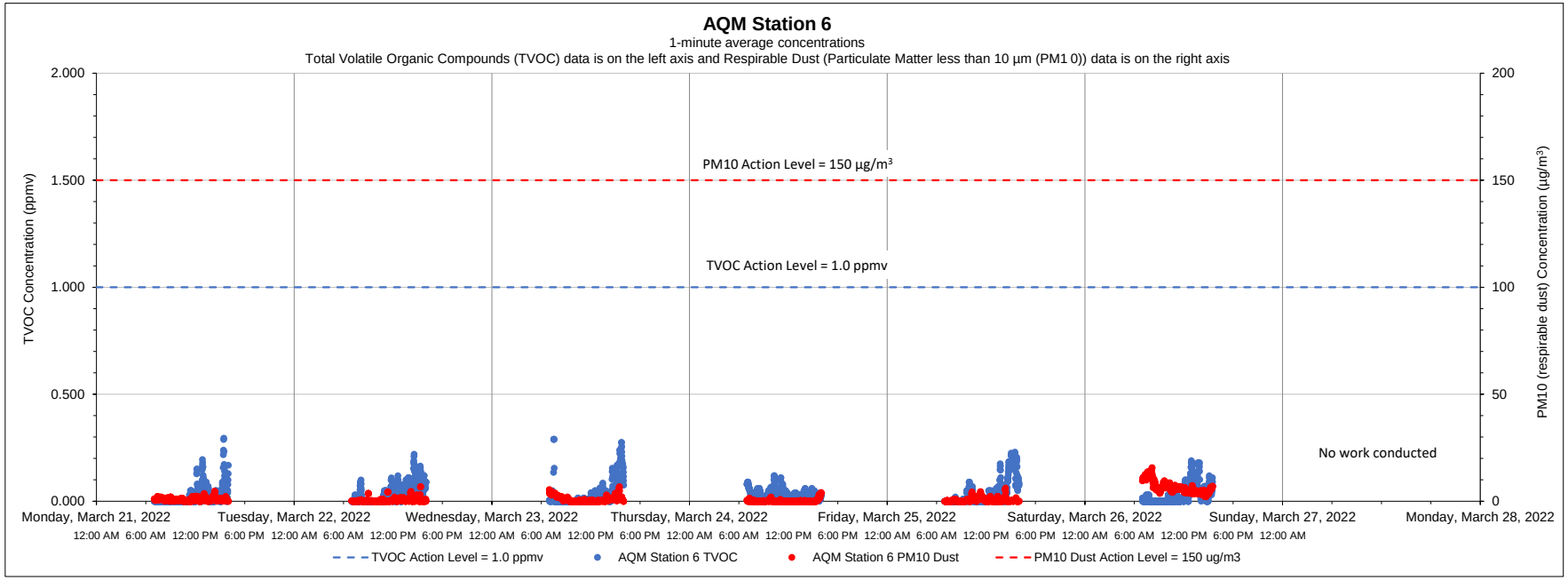

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.29	ppm
TVOCs action level	1	ppm
PM10 average concentration	1.53	µg/m³
PM10 maximum concentration	15.71	µg/m³
PM10 action level	150	µg/m³

Notes:

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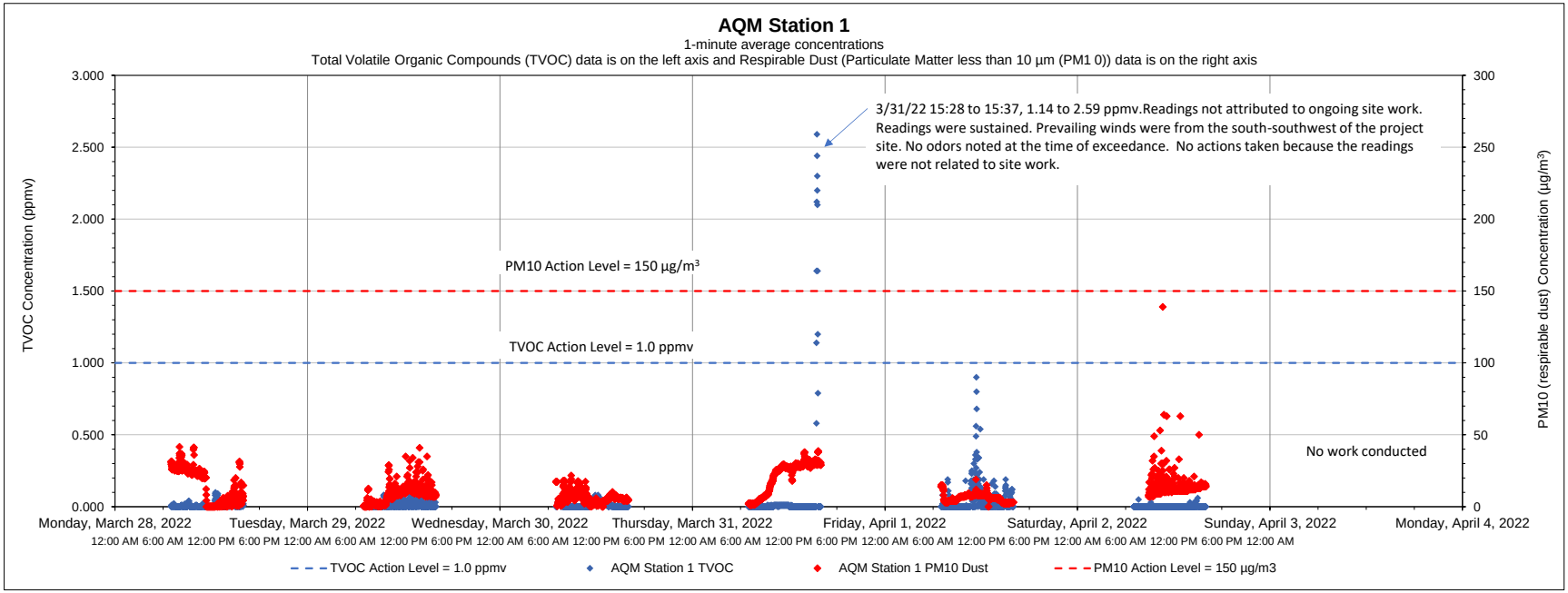

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
3/31/2022	15:28 to 15:37	TVOC	1.14 to 2.59 ppmv	No actions taken because readings not related to site work.
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	2.59	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.61	µg/m³
PM10 maximum concentration	139.00	µg/m³
PM10 action level	150	µg/m³

Notes:

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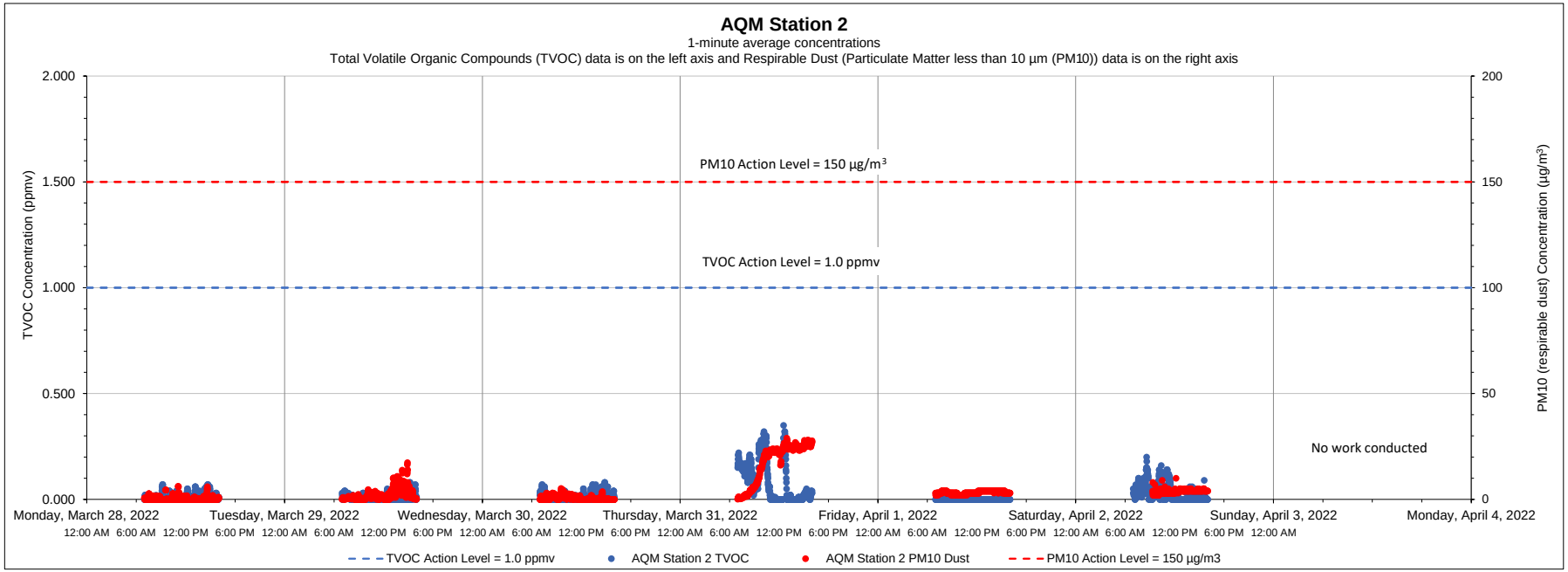

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.35	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.68	µg/m³
PM10 maximum concentration	28.96	µg/m³
PM10 action level	150	µg/m³

Notes:

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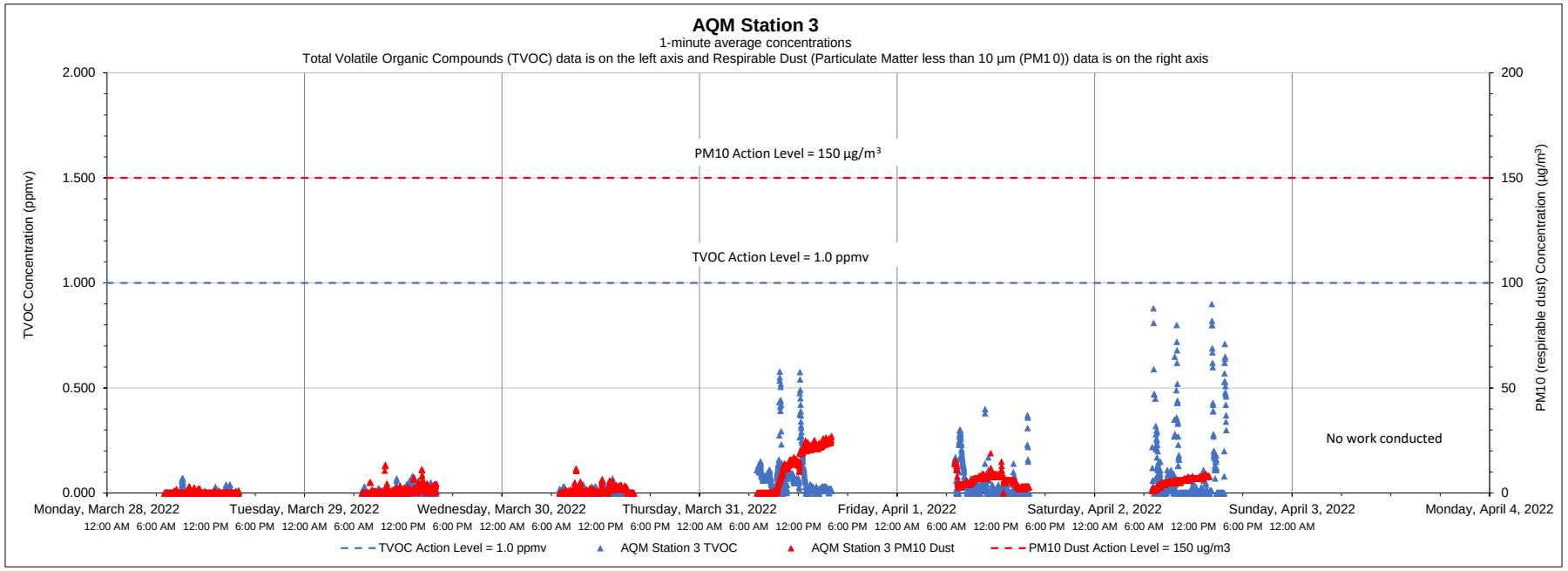

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.90	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.61	µg/m³
PM10 maximum concentration	27.20	µg/m³
PM10 action level	150	µg/m³

Notes:

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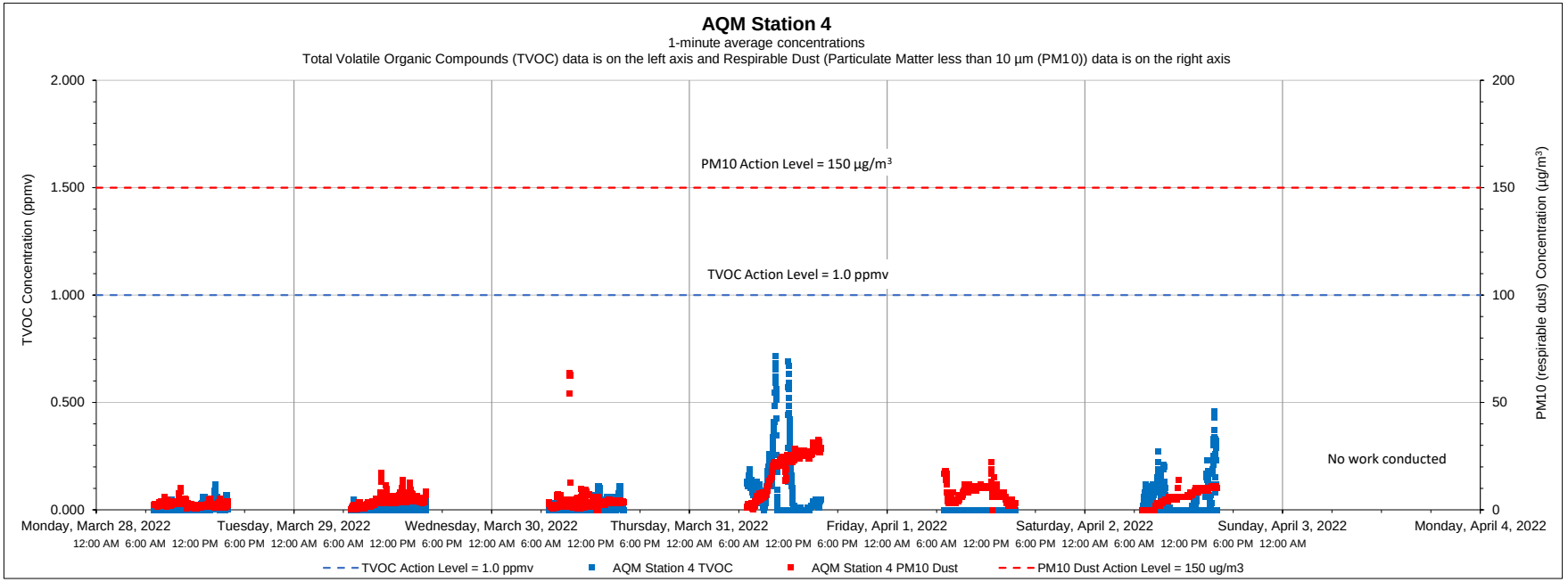

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.72	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.96	µg/m^3
PM10 maximum concentration	63.55	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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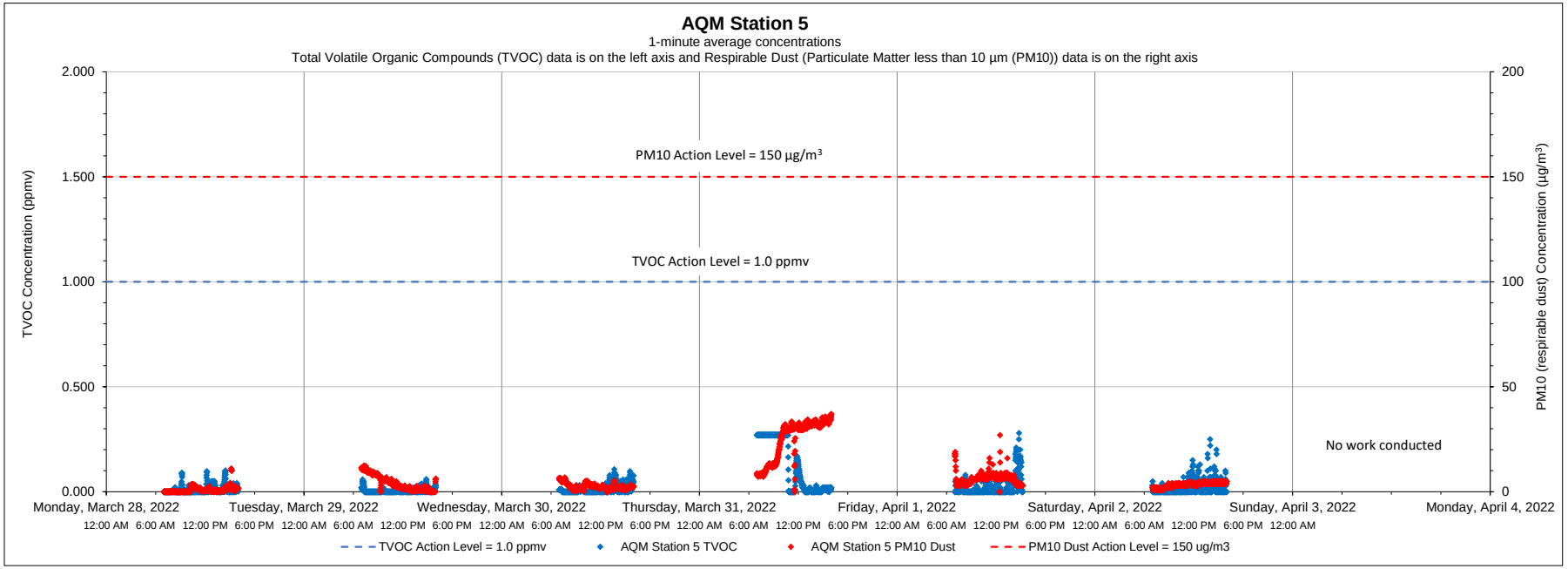

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.28	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.02	µg/m^3
PM10 maximum concentration	37.06	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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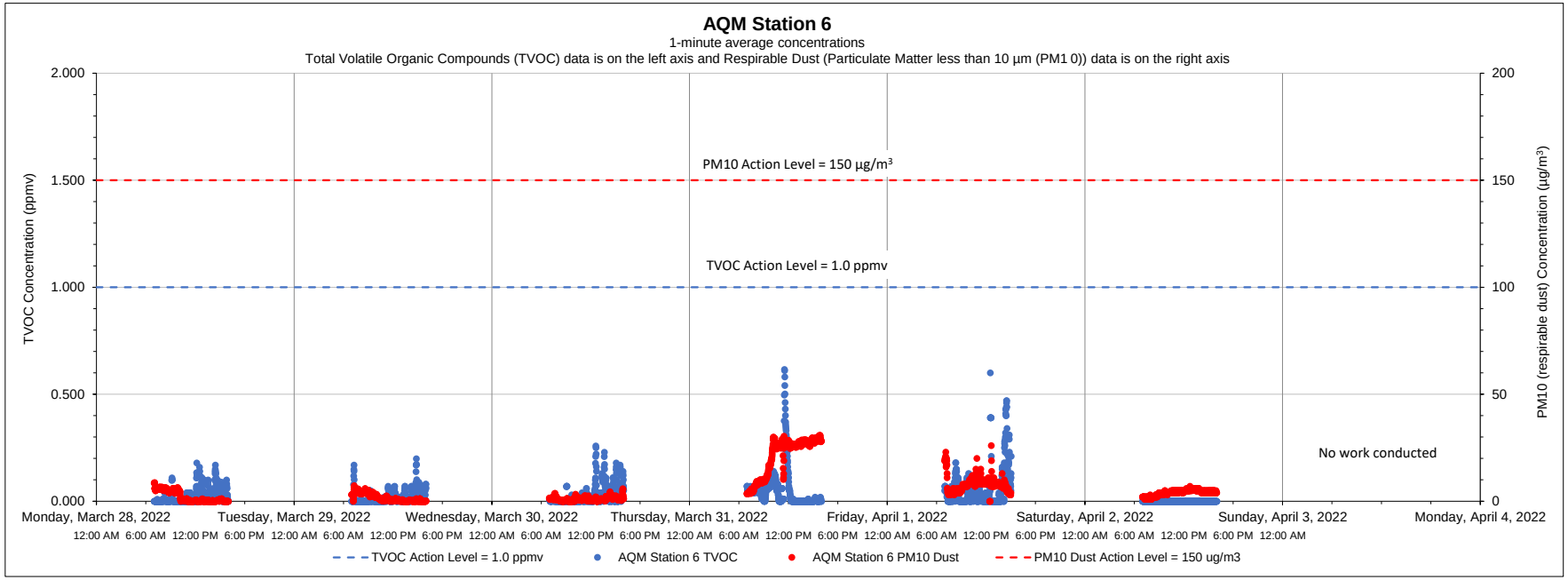


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.62	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.22	µg/m^3
PM10 maximum concentration	30.84	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

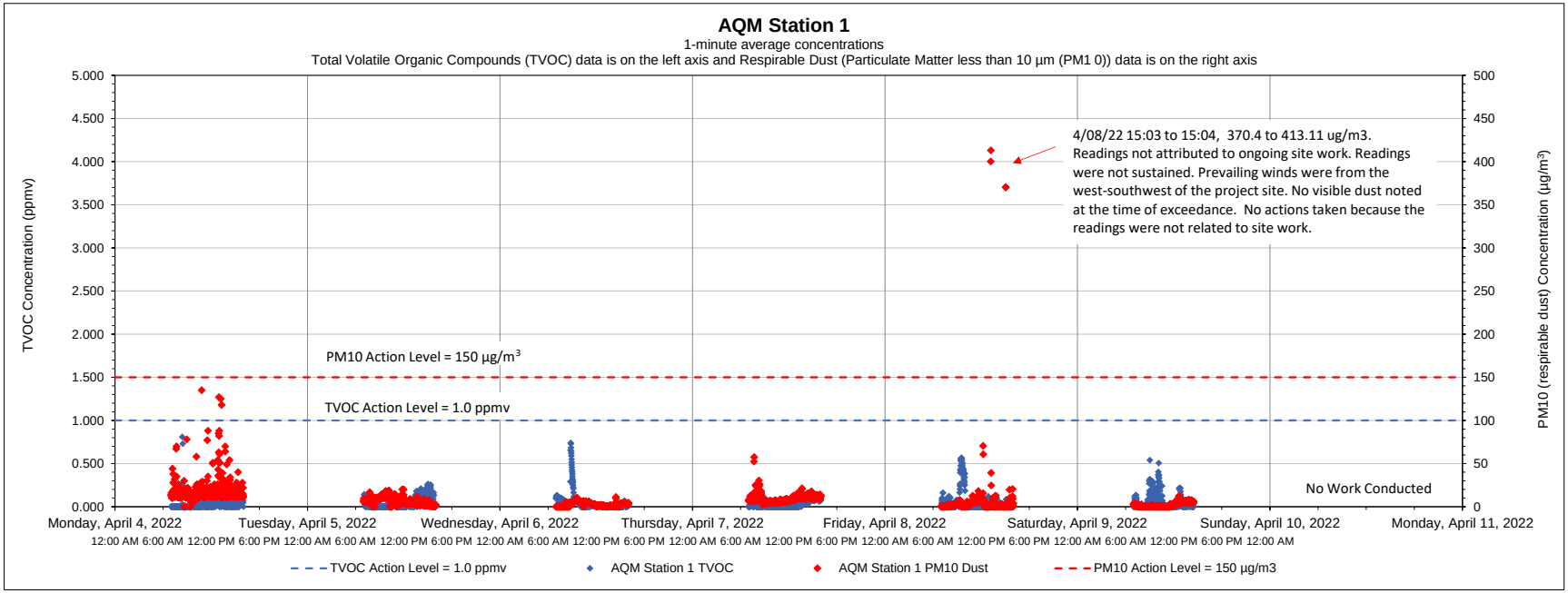
GZA Job No. 03.0033554.04

04/11/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.81	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.41	µg/m^3
PM10 maximum concentration	413.11	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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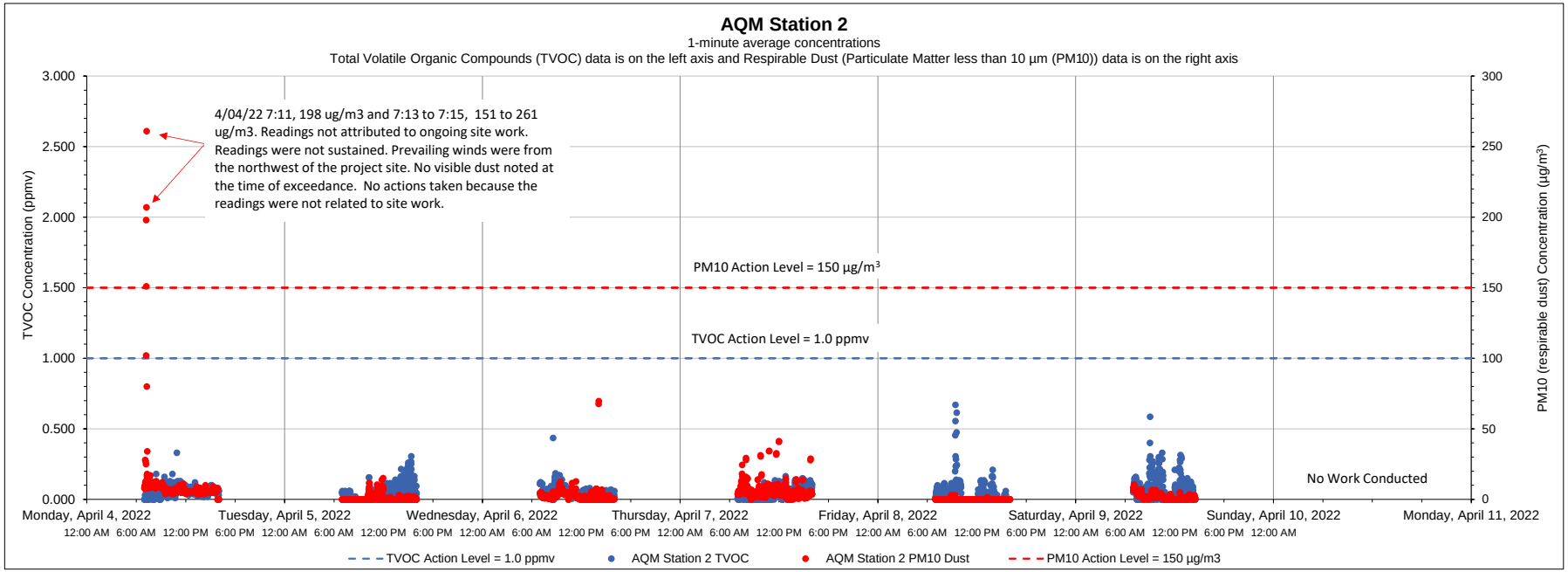

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.67	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.23	µg/m³
PM10 maximum concentration	261.00	µg/m³
PM10 action level	150	µg/m³

Notes:

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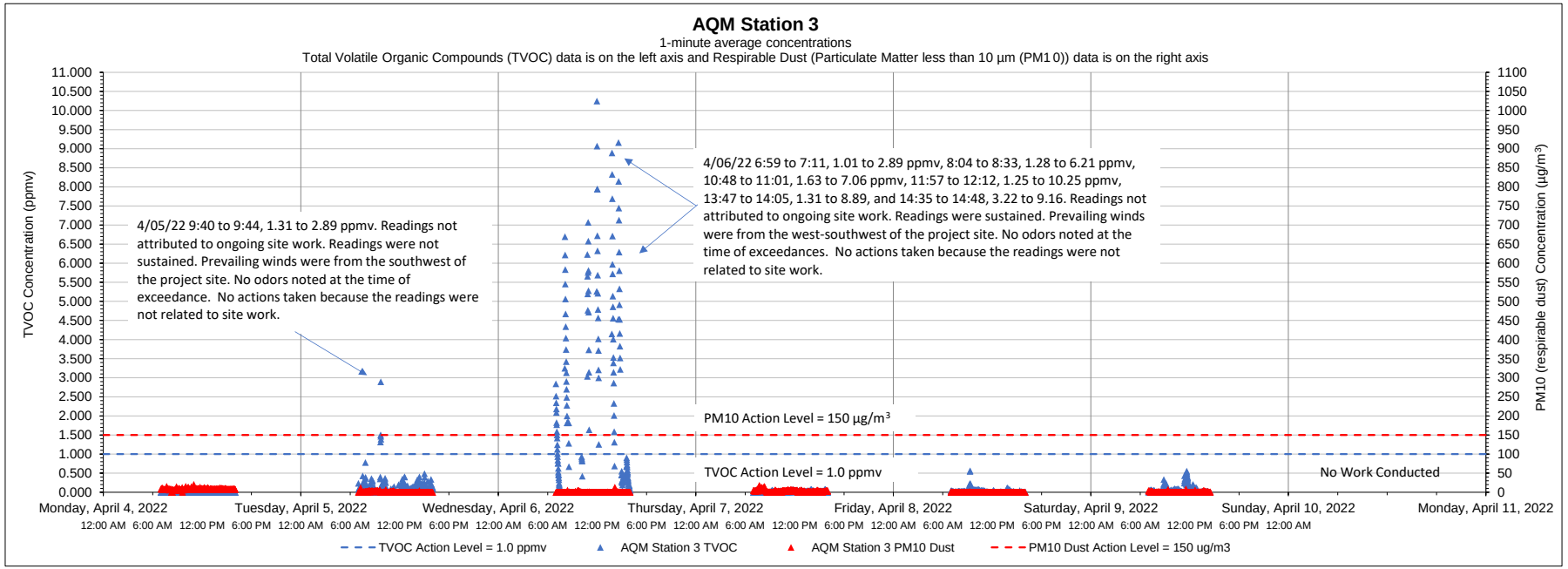

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
4/6/2022	6:59 t 7:11	TVOC	1.01 to 2.89 ppmv	No actions taken because readings not related to site work.
4/6/2022	8:04 to 8:33	TVOC	1.28 to 6.21 ppmv	No actions taken because readings not related to site work.
4/6/2022	10:48 to 11:01	TVOC	1.63 to 7.06 ppmv	No actions taken because readings not related to site work.
4/6/2022	11:57 to 12:12	TVOC	1.25 to 10.25 ppmv	No actions taken because readings not related to site work.
4/6/2022	13:47 to 14:05	TVOC	1.31 to 8.89 ppmv	No actions taken because readings not related to site work.
4/6/2022	14:35 to 14:48	TVOC	3.22 to 9.16 ppmv	No actions taken because readings not related to site work.
Equipment Notes				
Station 3 was experiencing equipment error from 6:59 to 14:48 on 4/6/22. TVOCs and respirable dust readings from all other stations and the work zone were less than action levels during this period.				
Based on the readings from other stations and observations onsite, these reading were equipment error.				

Data Summary Statistics		
TVOCs average concentration	0.18	ppm
TVOCs maximum concentration	10.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.26	µg/m^3
PM10 maximum concentration	21.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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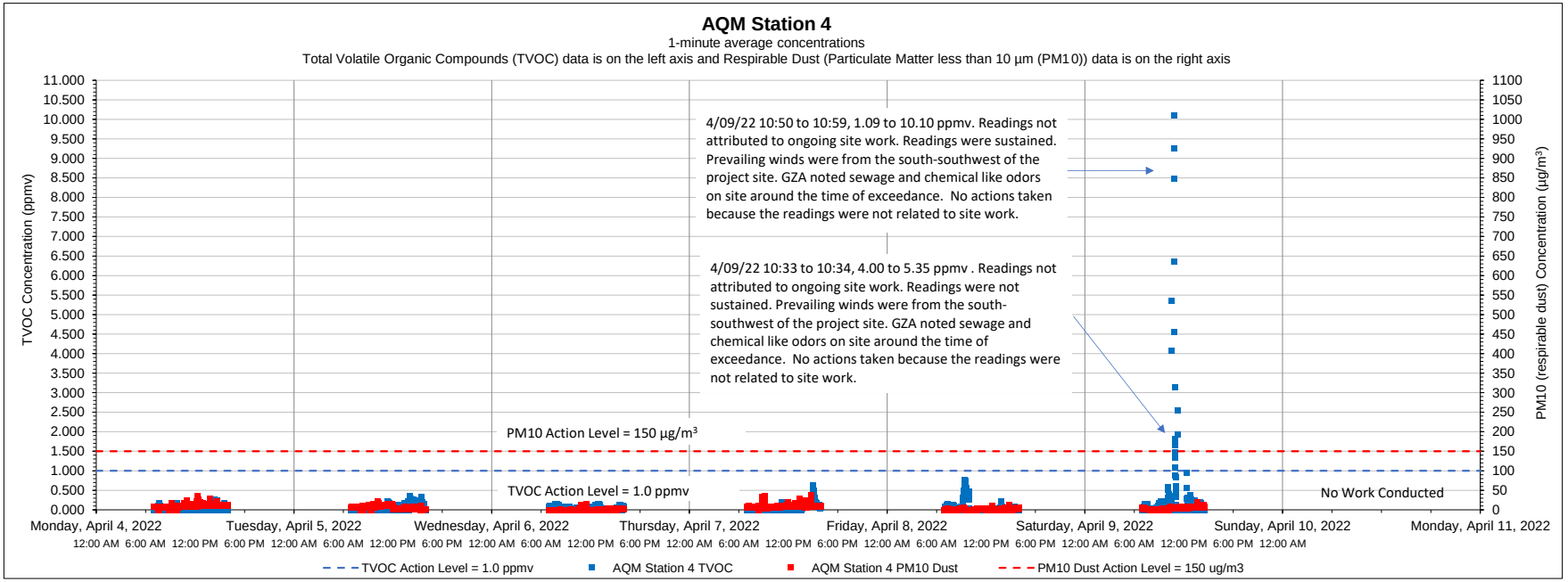

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
4/9/2022	10:50 to 10:59	TVOC	1.09-10.10 ppmv	No actions taken because readings were not related to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	10.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.92	µg/m^3
PM10 maximum concentration	37.17	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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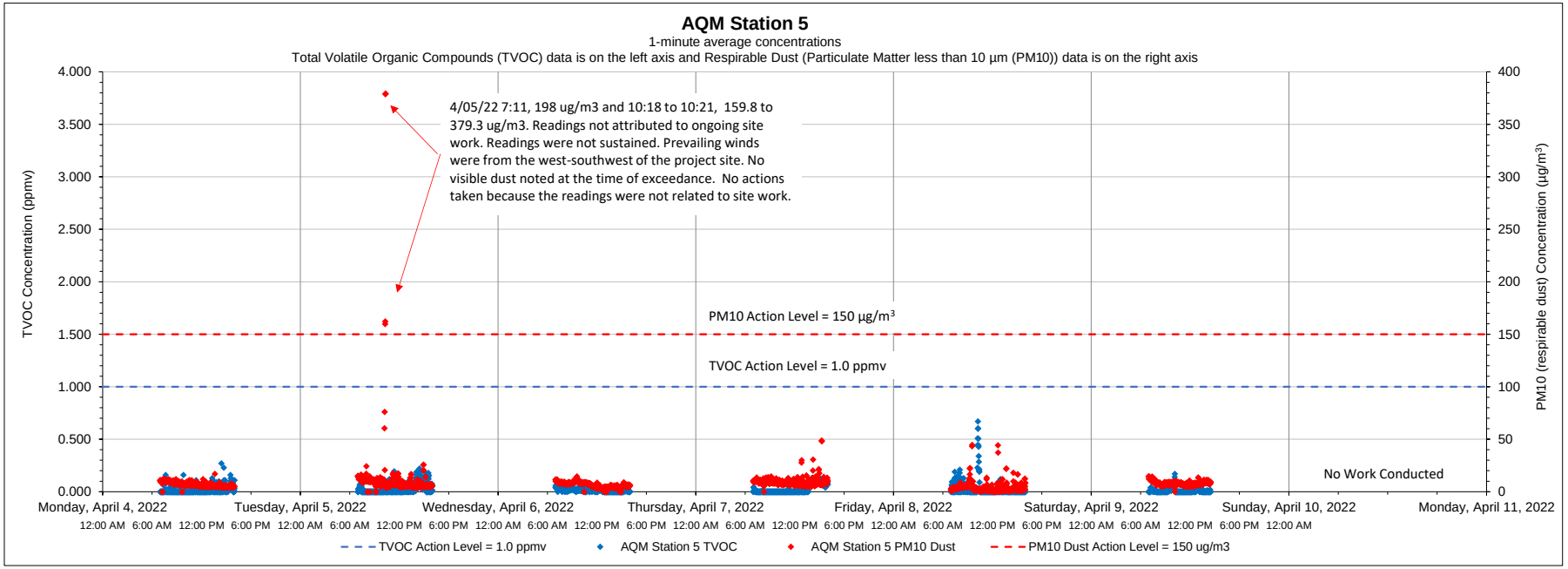

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.67	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.43	µg/m³
PM10 maximum concentration	379.36	µg/m³
PM10 action level	150	µg/m³

Notes:

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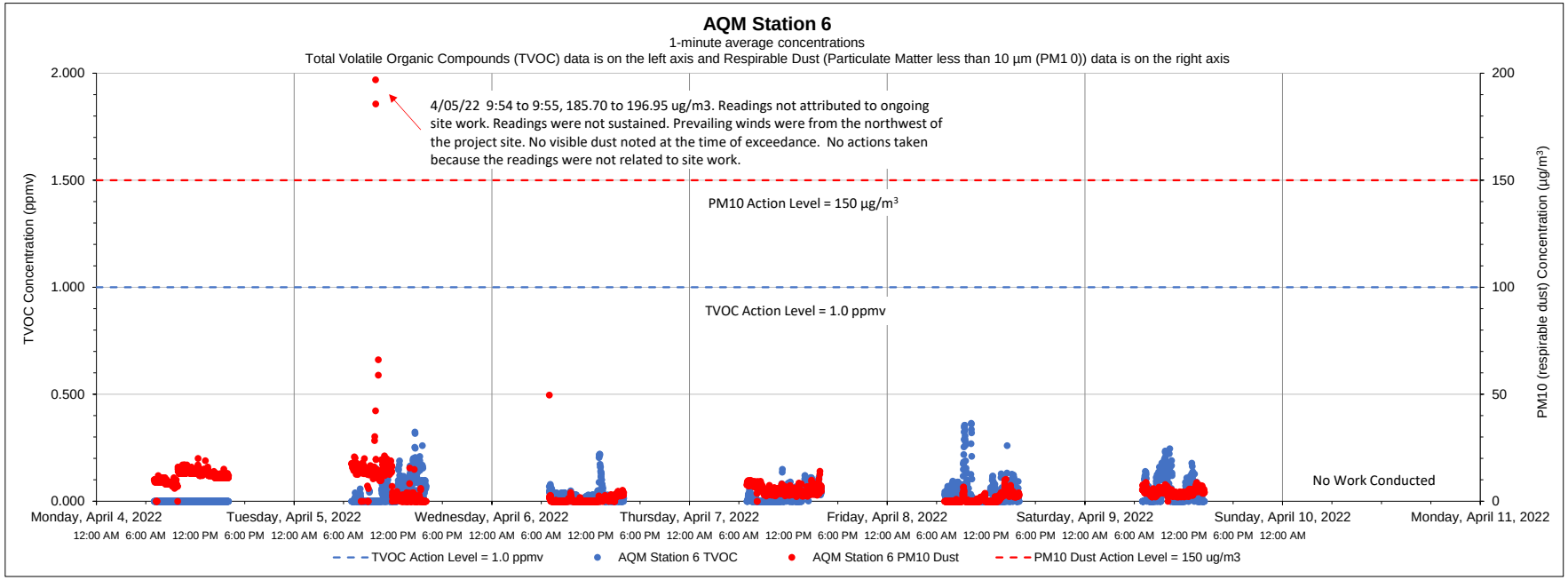

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.36	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.39	µg/m³
PM10 maximum concentration	196.95	µg/m³
PM10 action level	150	µg/m³

Notes:

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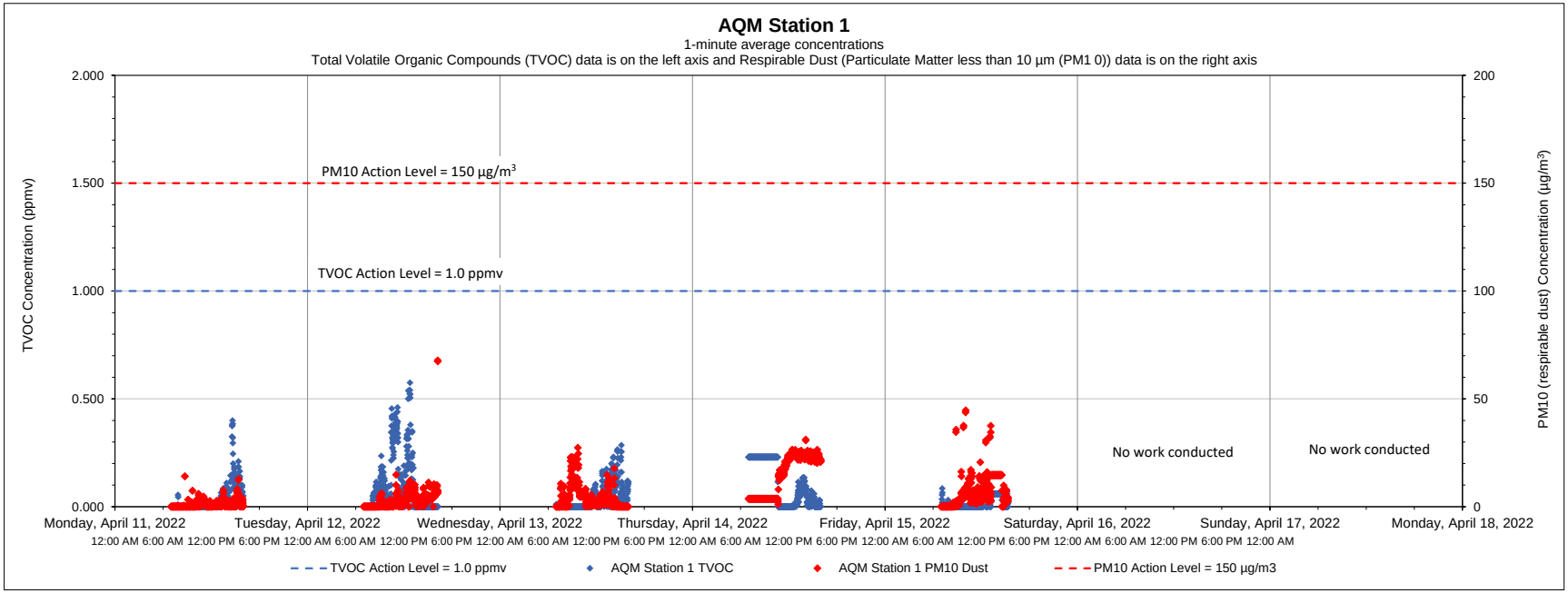

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.58	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.65	µg/m^3
PM10 maximum concentration	67.87	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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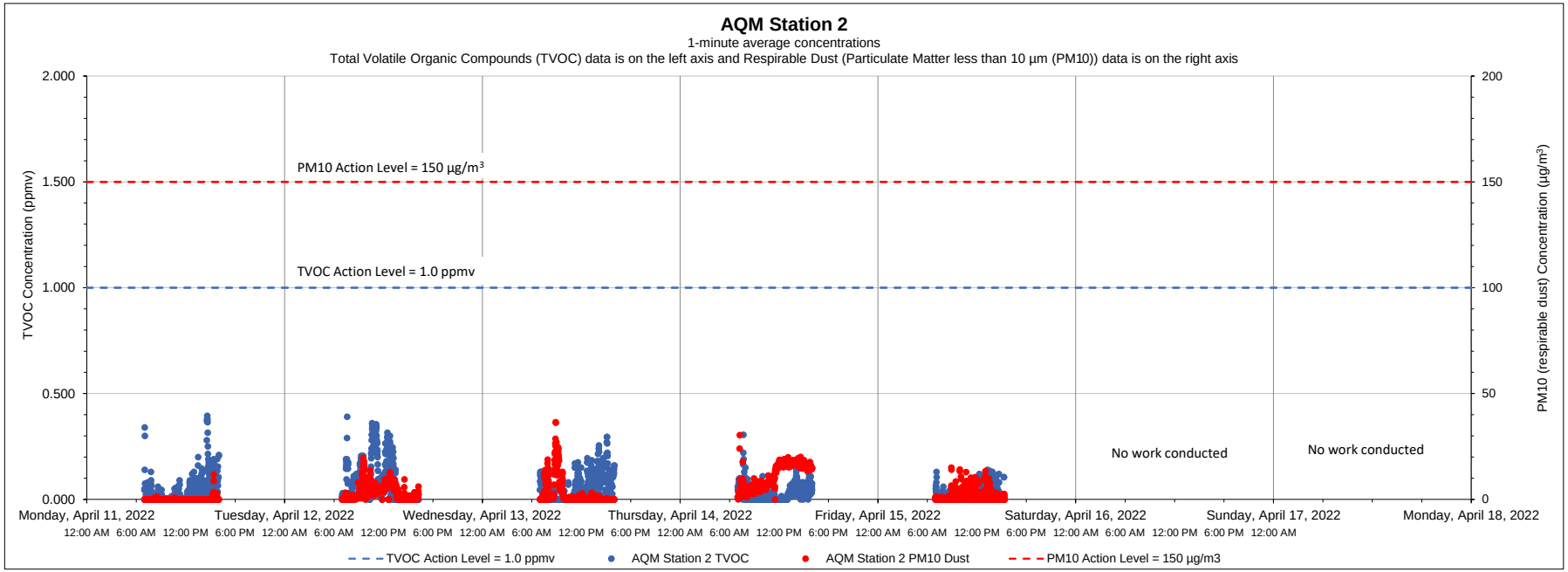

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.72	µg/m^3
PM10 maximum concentration	36.44	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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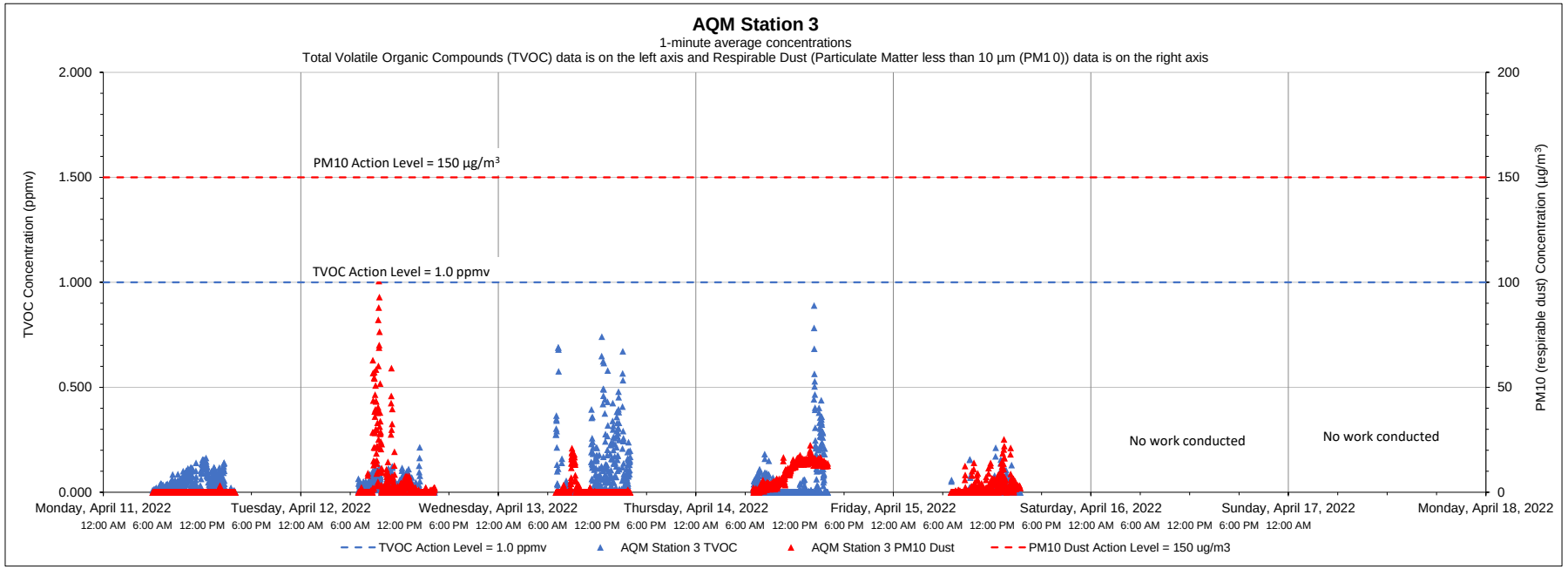

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.89	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.64	µg/m^3
PM10 maximum concentration	100.66	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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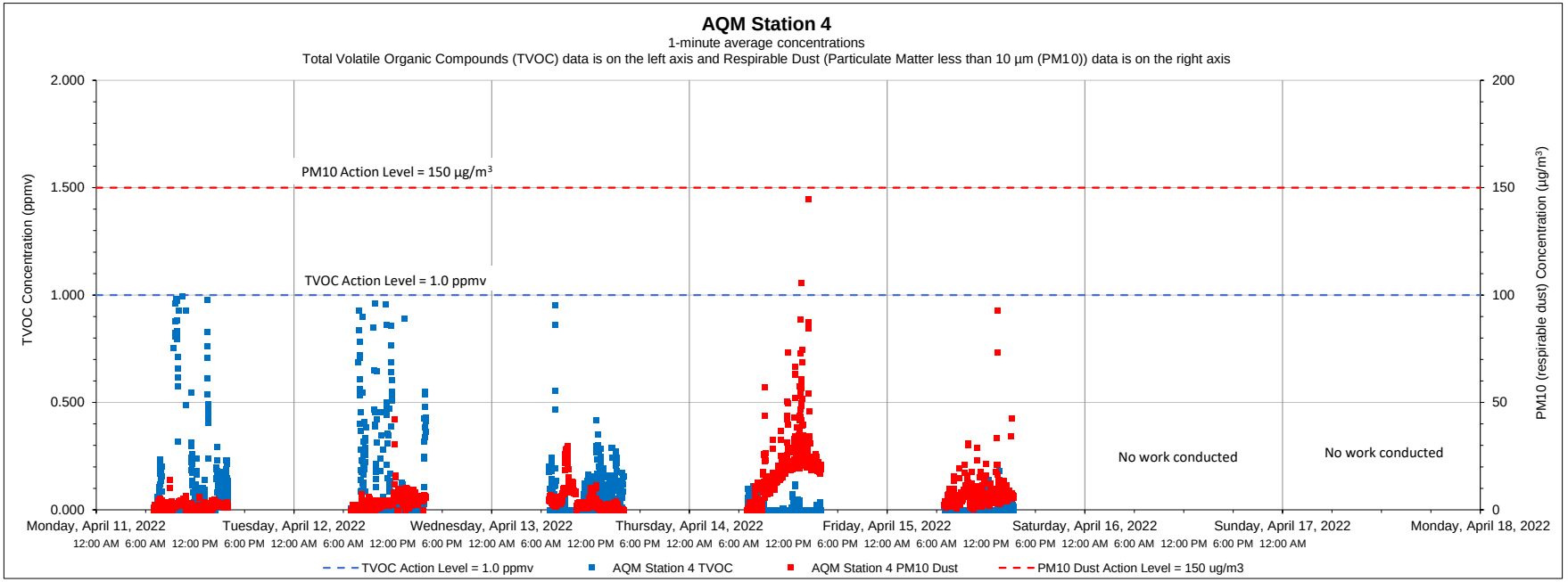

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.99	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.78	µg/m^3
PM10 maximum concentration	144.59	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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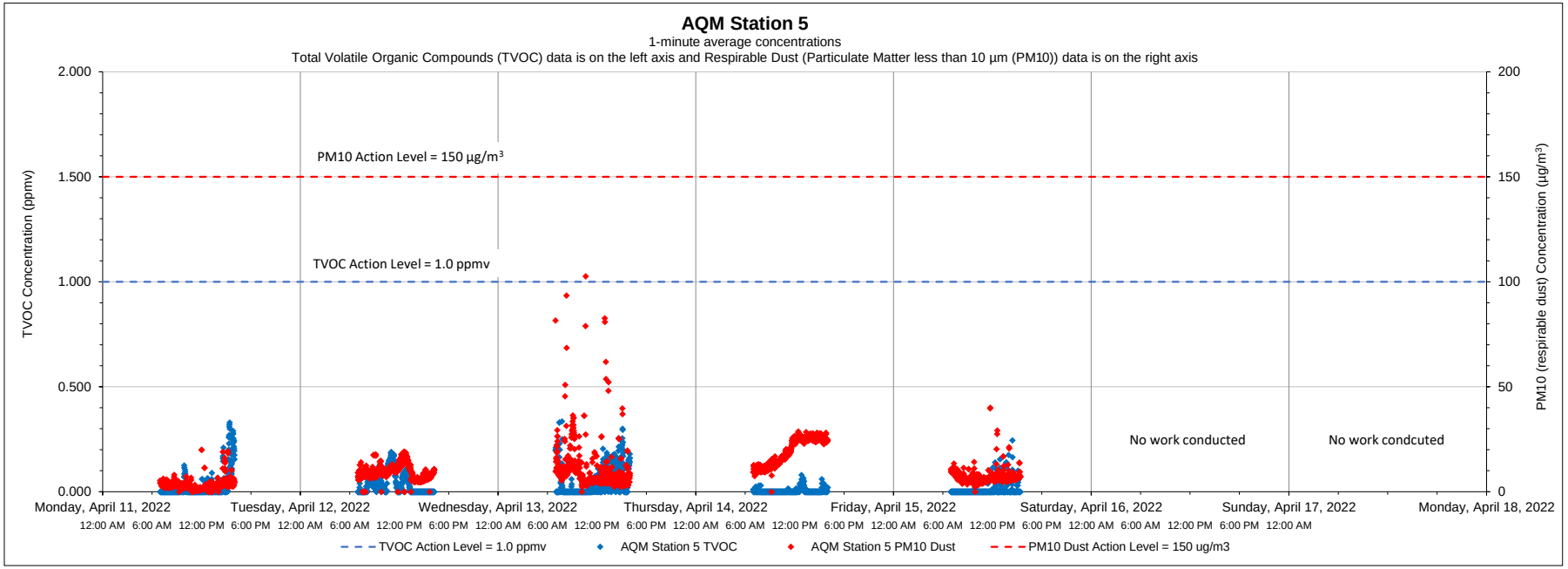

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.34	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.96	µg/m^3
PM10 maximum concentration	102.65	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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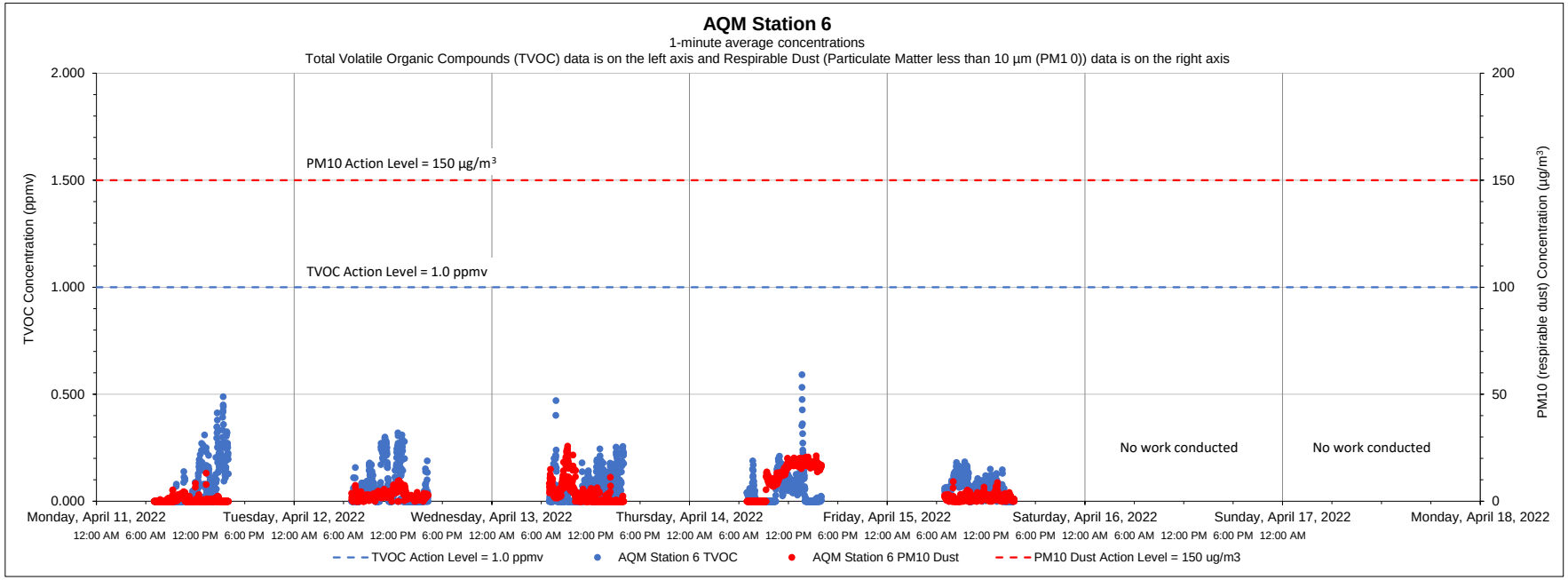

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.59	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.90	µg/m³
PM10 maximum concentration	25.77	µg/m³
PM10 action level	150	µg/m³

Notes:

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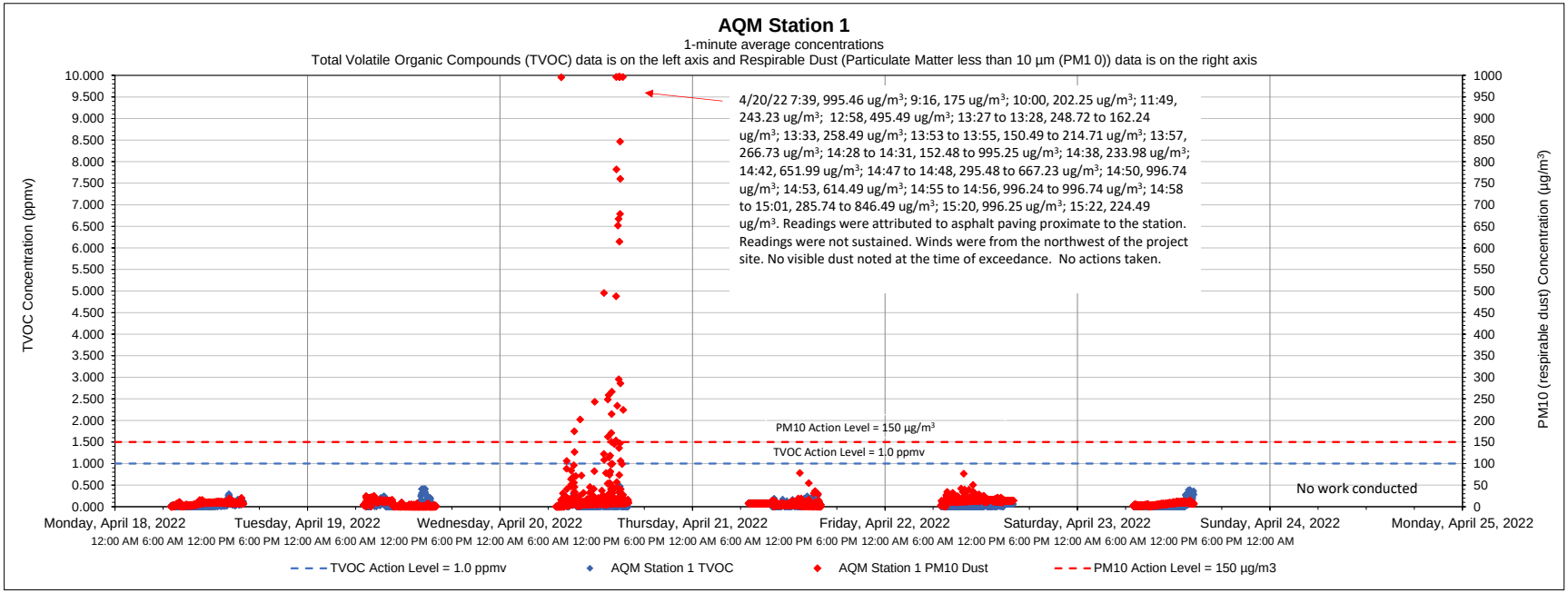

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.80	µg/m³
PM10 maximum concentration	996.73	µg/m³
PM10 action level	150	µg/m³

Notes:

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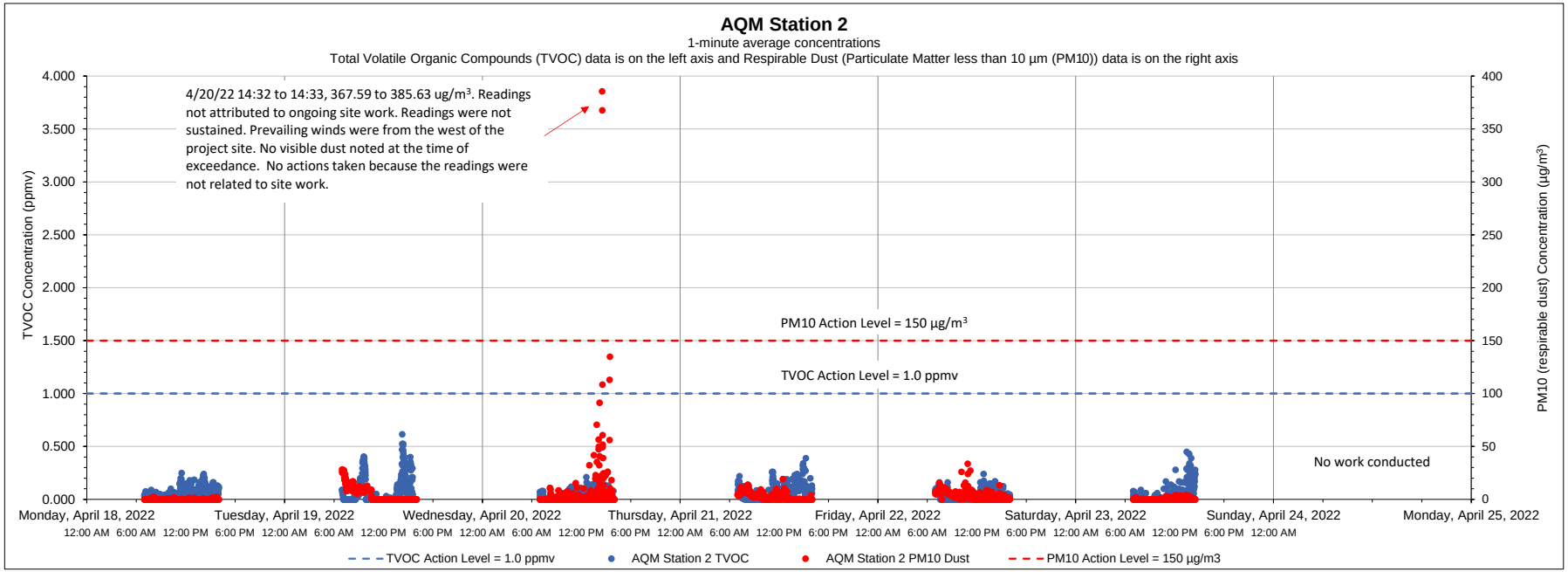

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.62	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.67	µg/m³
PM10 maximum concentration	385.63	µg/m³
PM10 action level	150	µg/m³

Notes:

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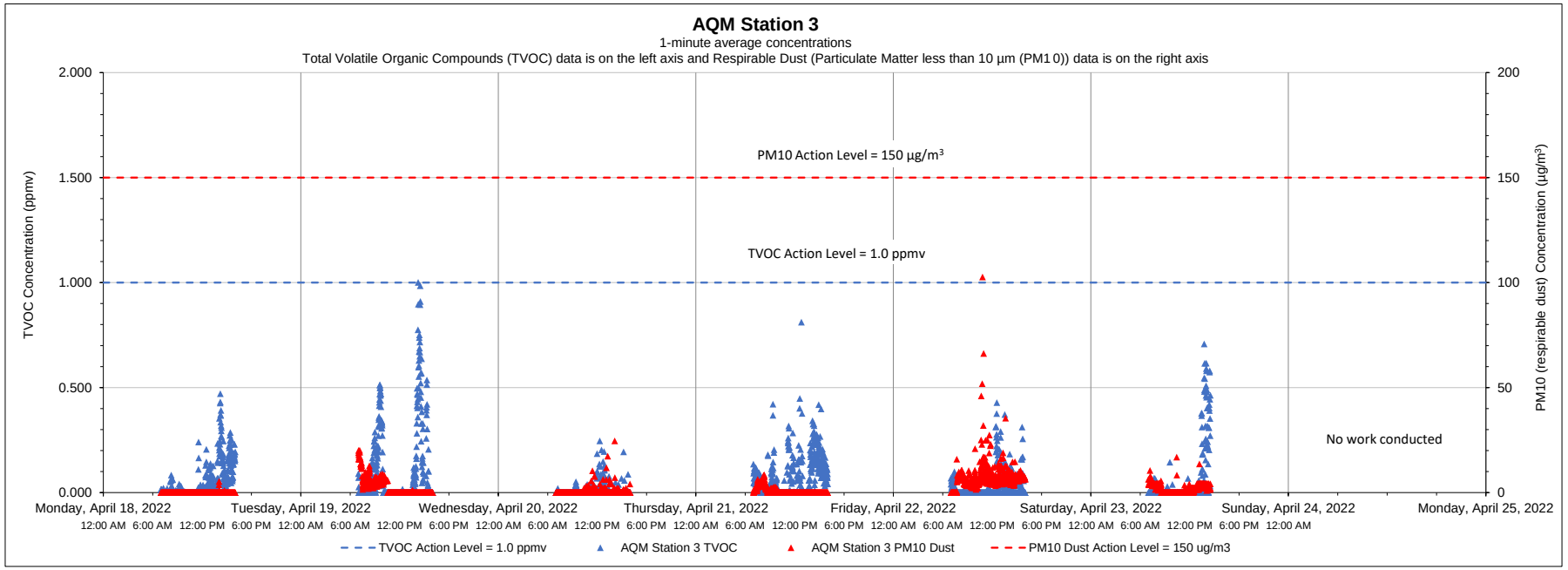

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.00	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.17	µg/m^3
PM10 maximum concentration	102.67	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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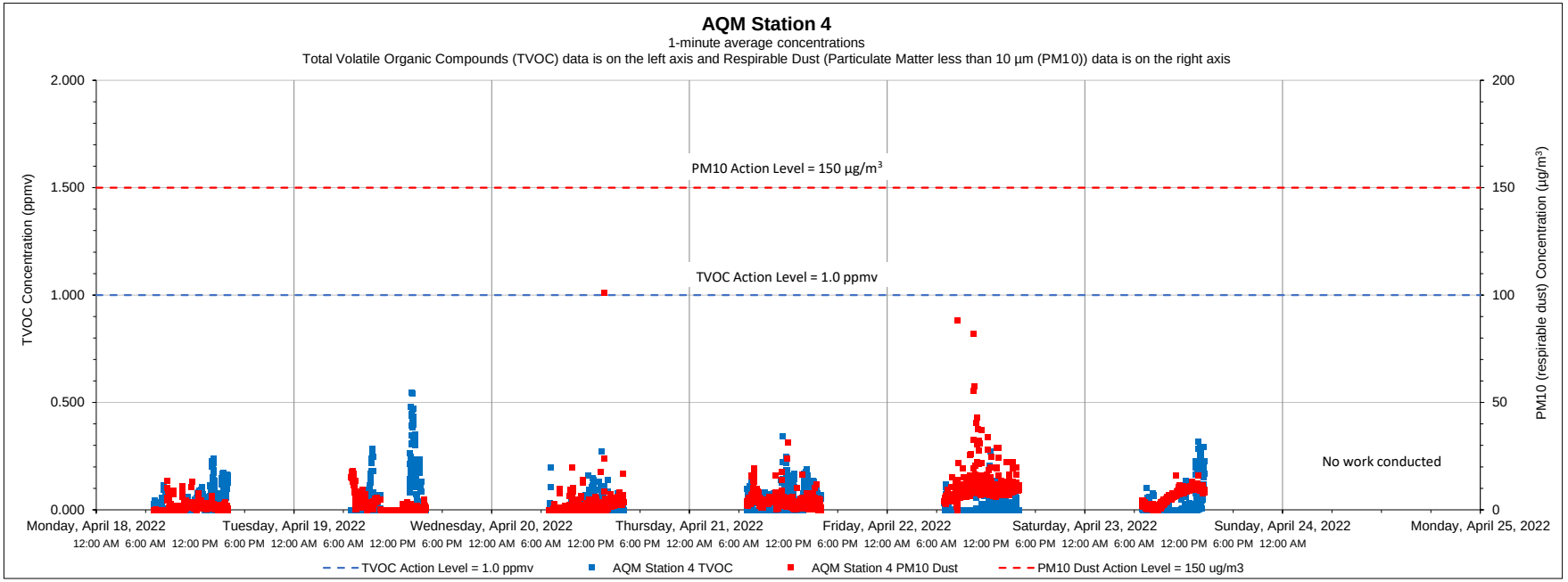


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.55	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.05	µg/m^3
PM10 maximum concentration	100.91	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

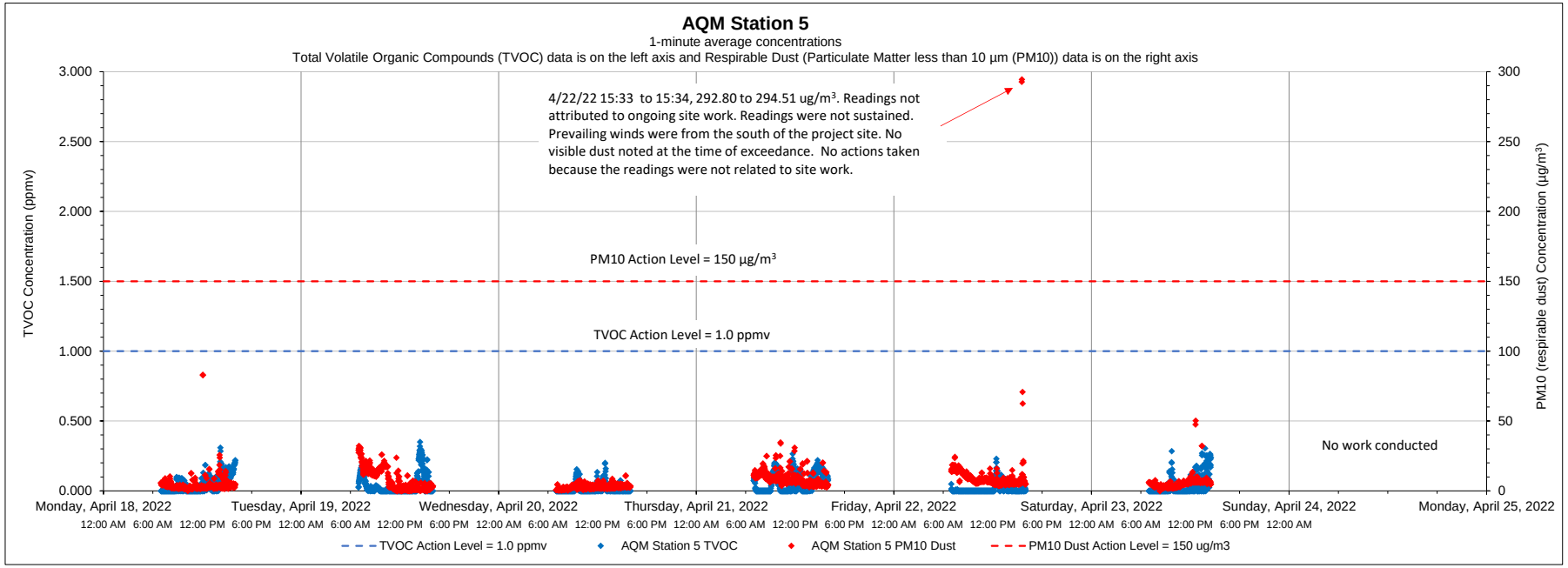
GZA Job No. 03.0033554.04

Liquefaction Facility Project -

04/25/2022

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.35	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.38	µg/m³
PM10 maximum concentration	294.52	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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GZA Job No. 03.0033554.04

04/25/2022

Liquefaction Facility Project -

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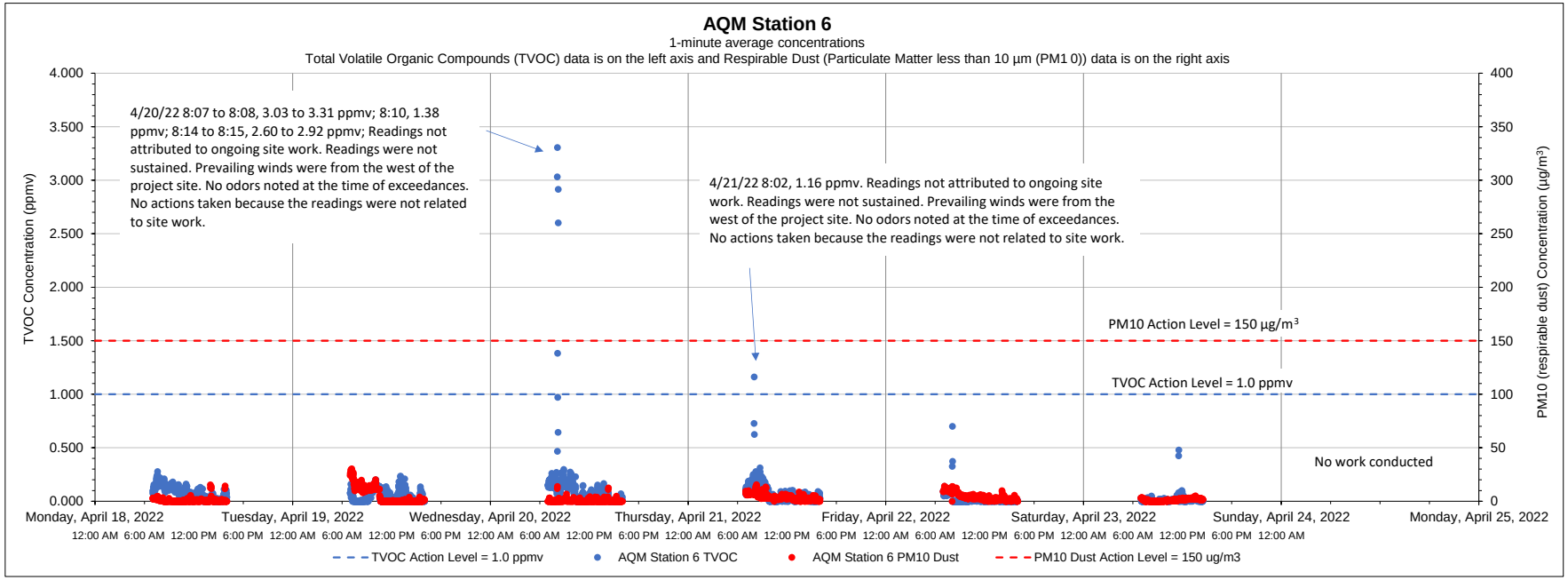

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	3.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.70	µg/m^3
PM10 maximum concentration	30.42	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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GZA Job No. 03.0033554.04

05/02/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

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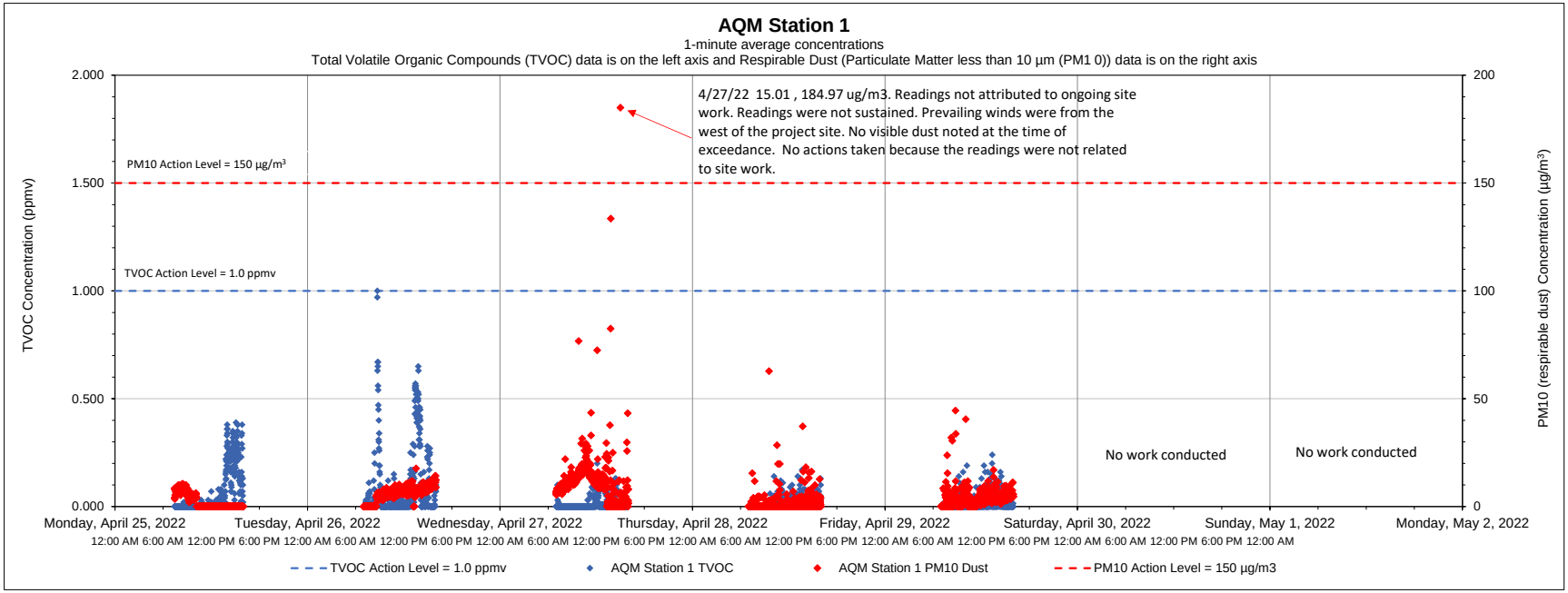

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	1.00	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.75	µg/m^3
PM10 maximum concentration	184.97	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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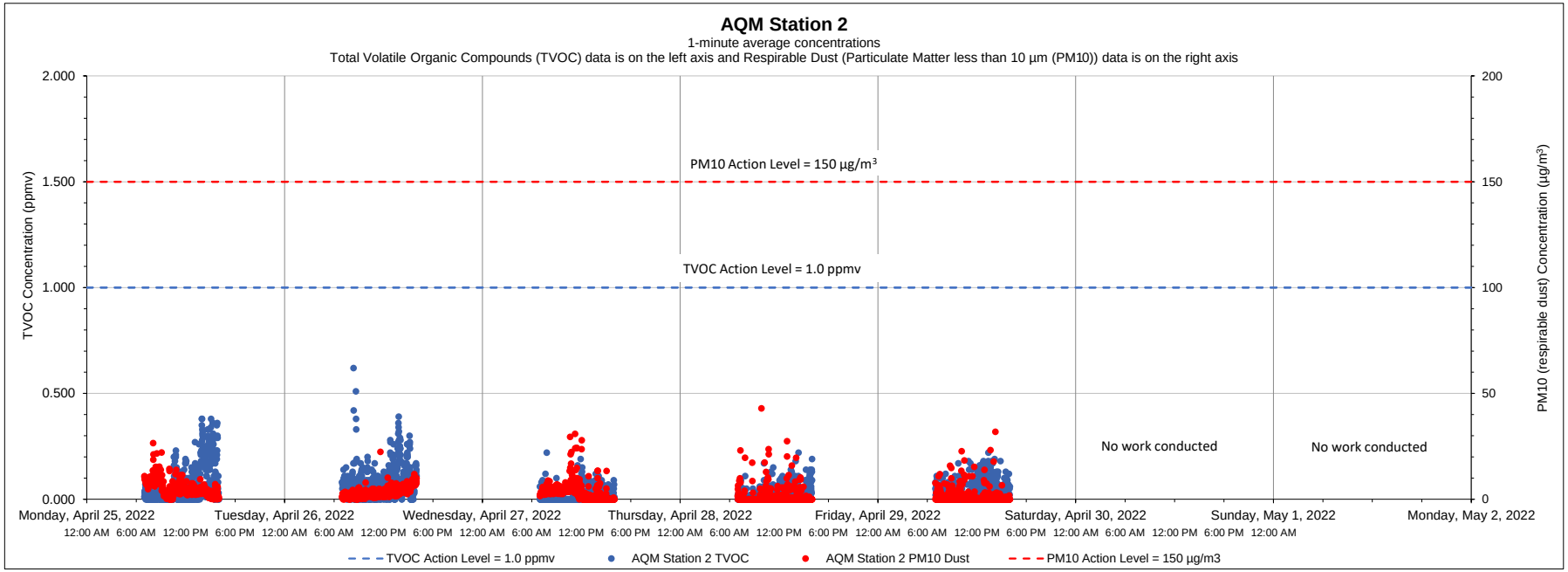

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.62	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.76	µg/m³
PM10 maximum concentration	42.97	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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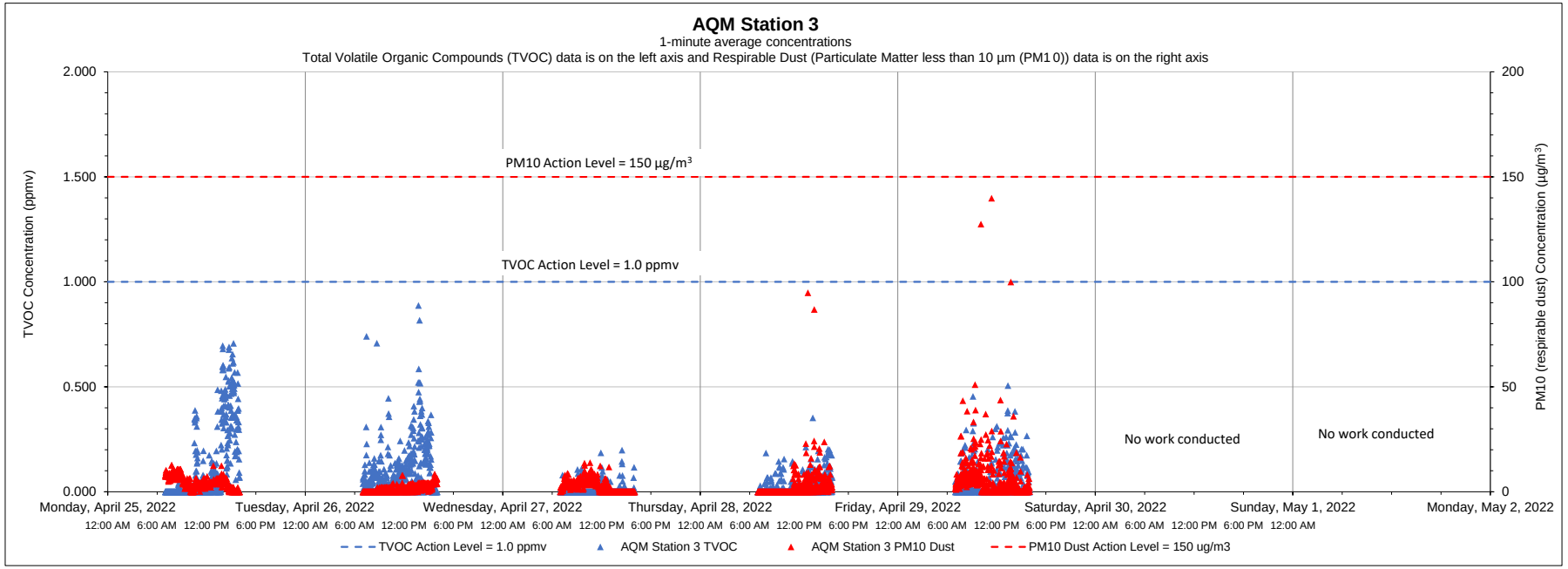

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.89	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.19	µg/m^3
PM10 maximum concentration	139.83	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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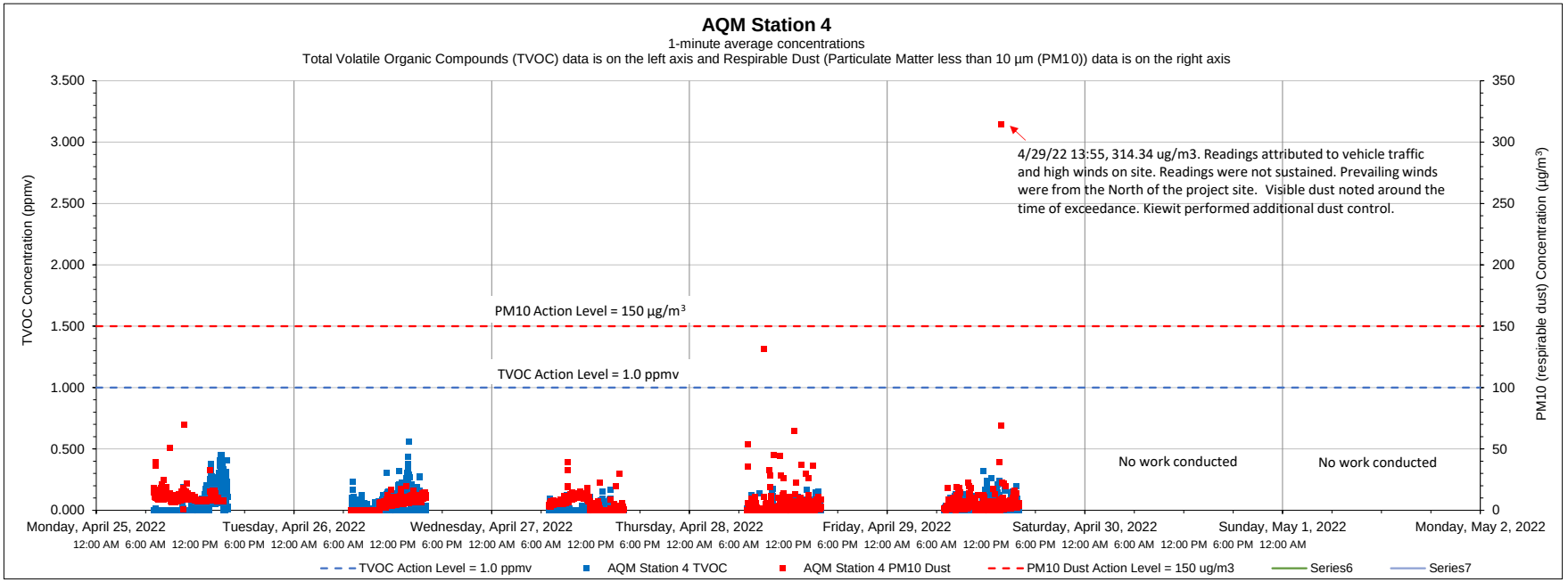

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.56	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.57	µg/m³
PM10 maximum concentration	314.34	µg/m³
PM10 action level	150	µg/m³

Notes:

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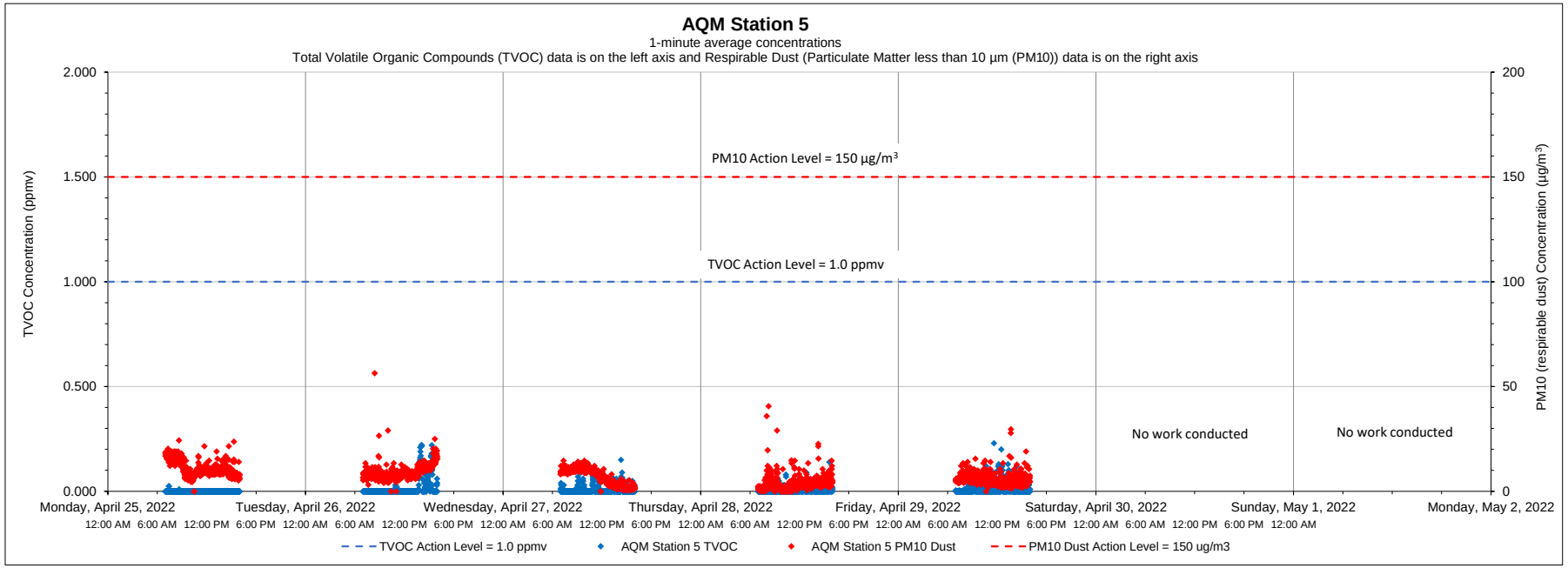

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.23	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.22	µg/m³
PM10 maximum concentration	56.40	µg/m³
PM10 action level	150	µg/m³

Notes:

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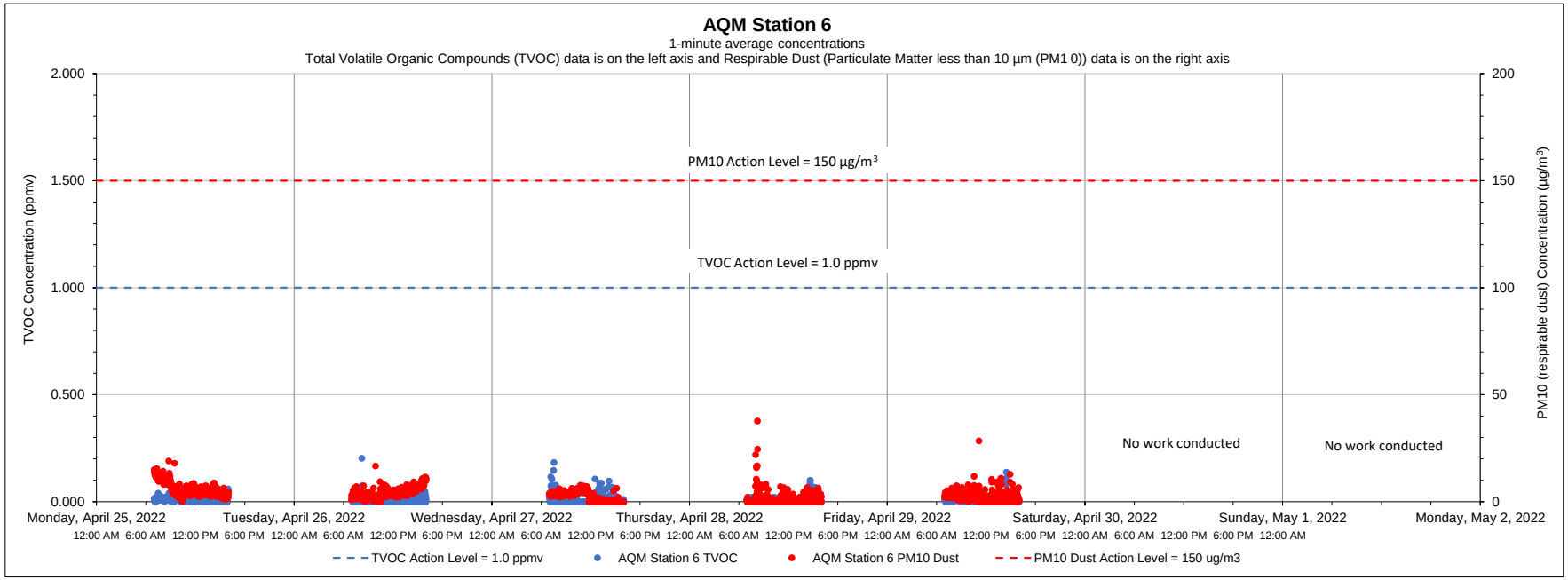

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.17	µg/m^3
PM10 maximum concentration	37.71	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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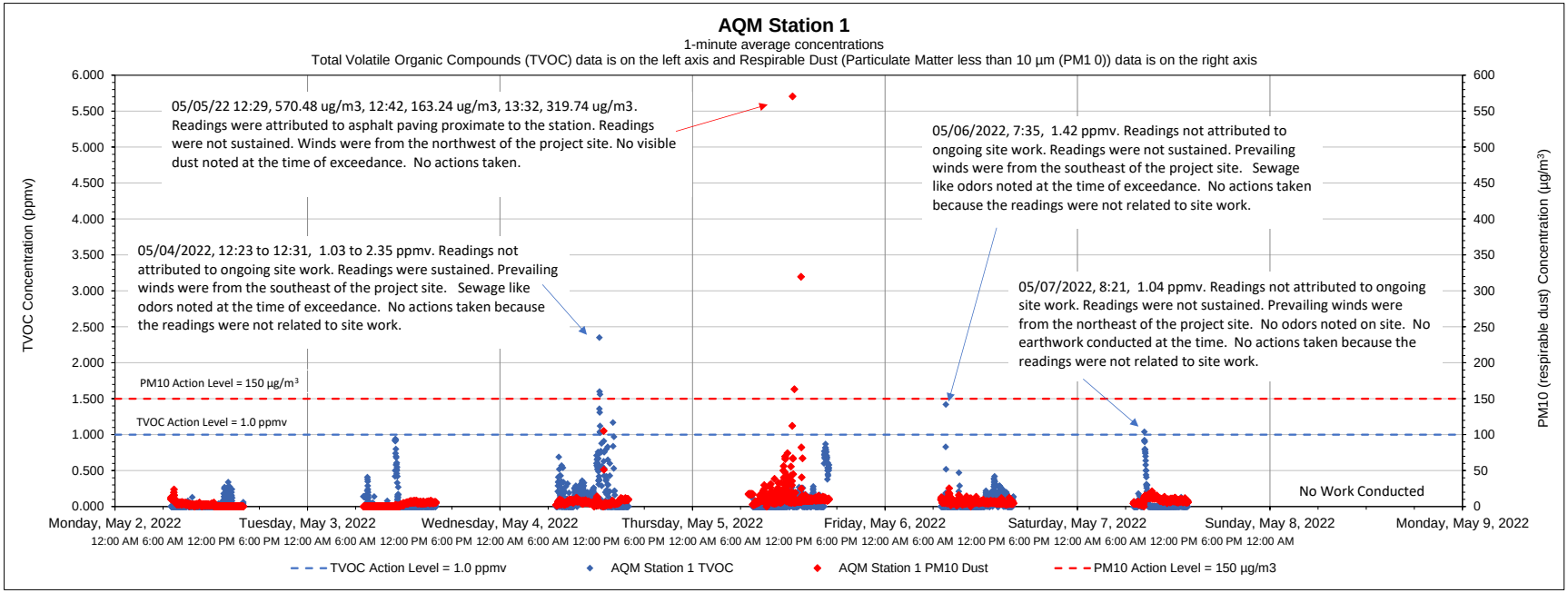

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
5/4/2022	12:23 to 12:31	TVOC	1.03 to 2.35 ppmv	No action taken
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	2.35	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.62	µg/m^3
PM10 maximum concentration	570.48	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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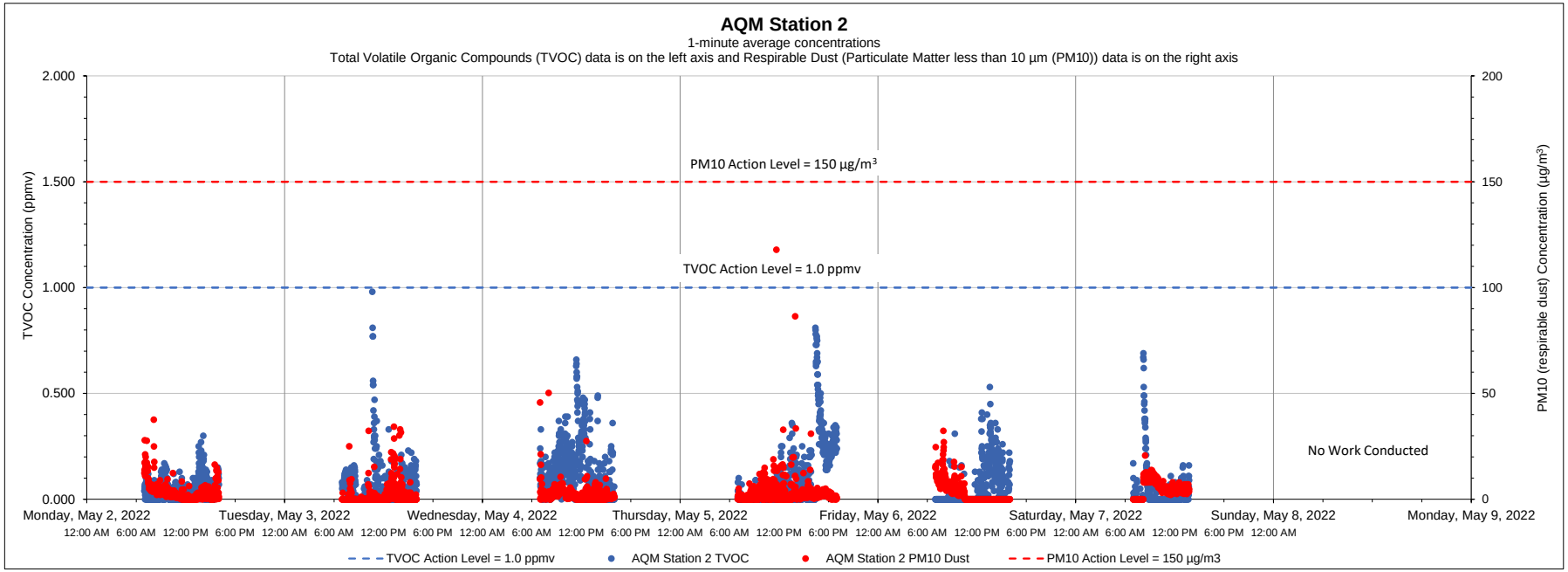

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.98	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.83	µg/m³
PM10 maximum concentration	117.92	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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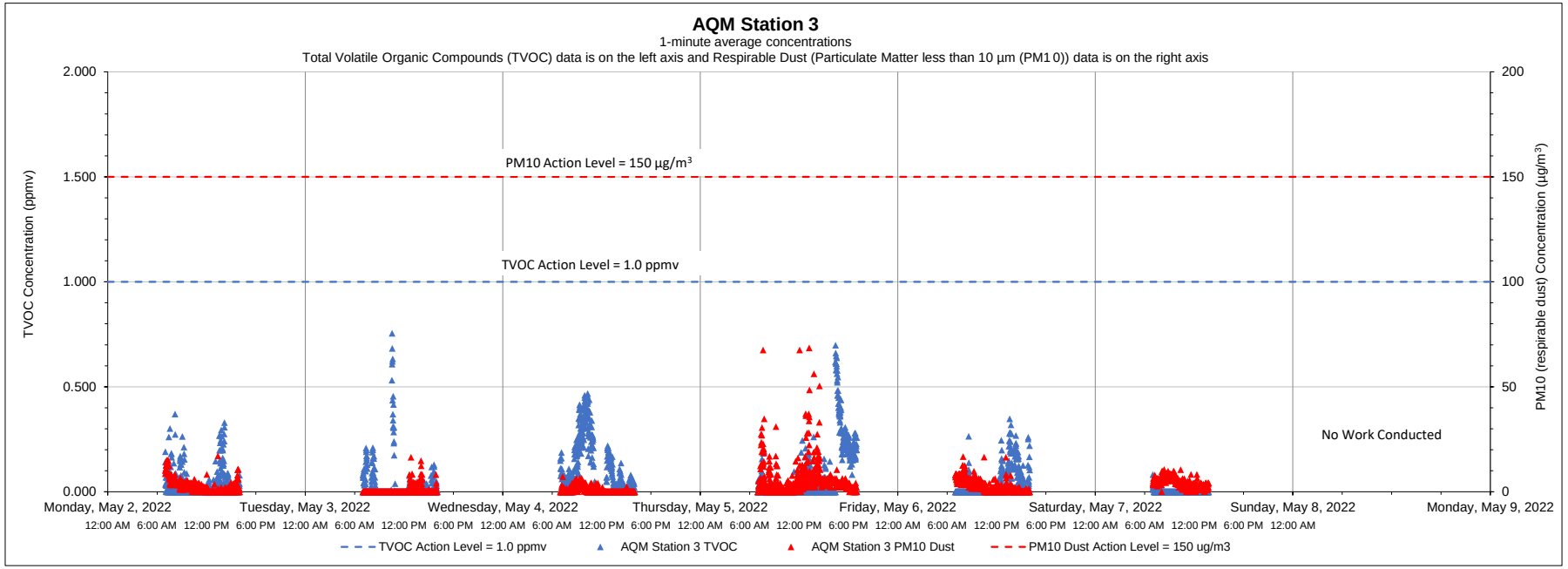

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.76	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.65	µg/m^3
PM10 maximum concentration	68.54	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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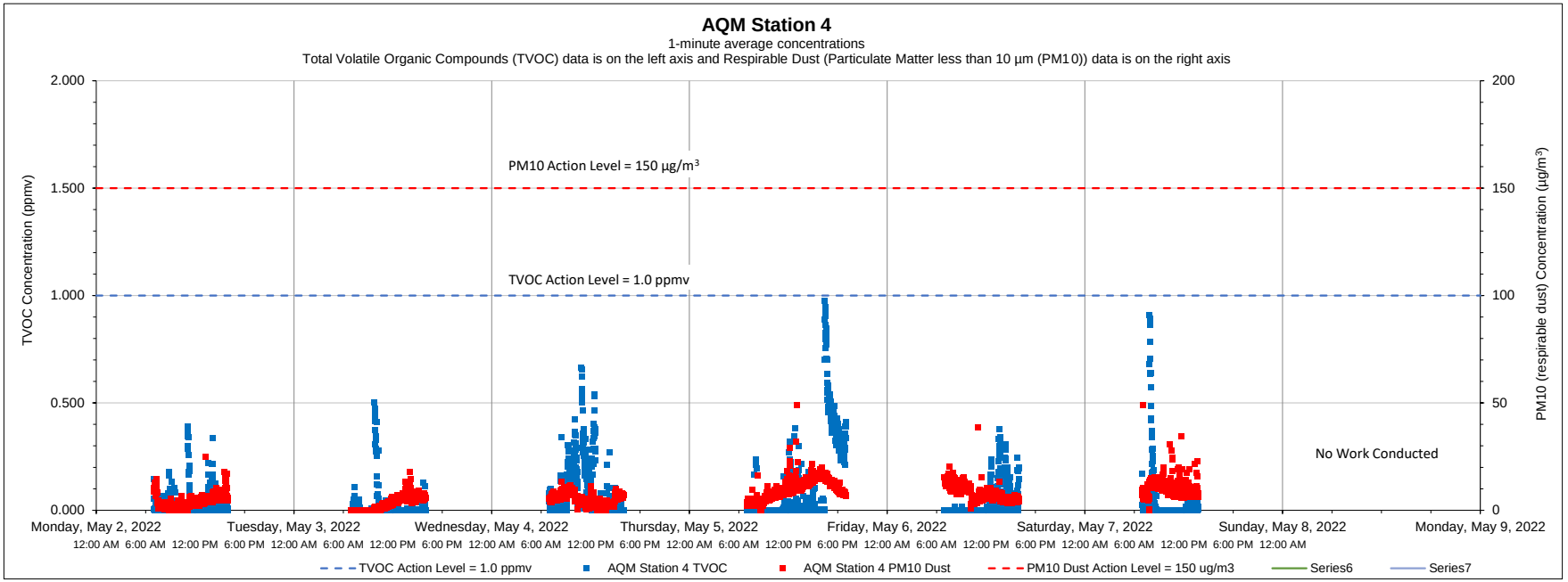

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.97	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.66	µg/m³
PM10 maximum concentration	49.14	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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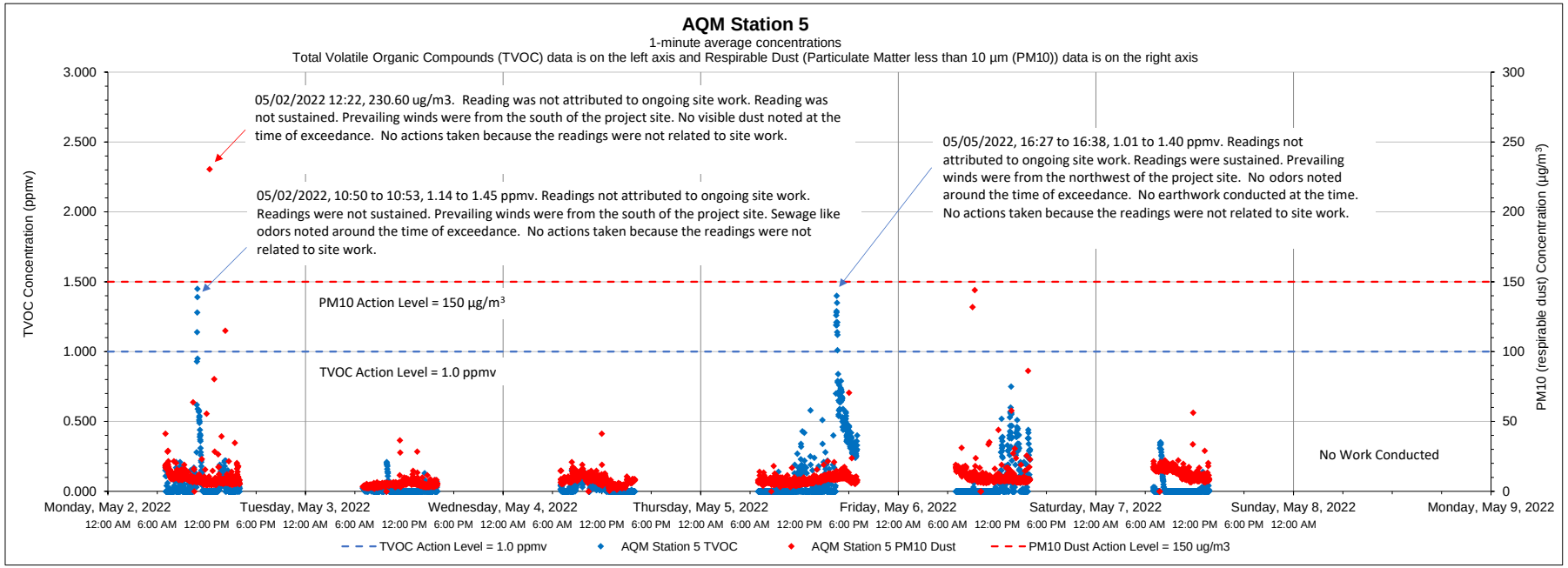

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
5/5/2022	16:27 to 16:38	TVOC	1.01 to 1.40 ppmv	No action taken.
Equipment Notes				
at				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.45	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.05	µg/m³
PM10 maximum concentration	230.60	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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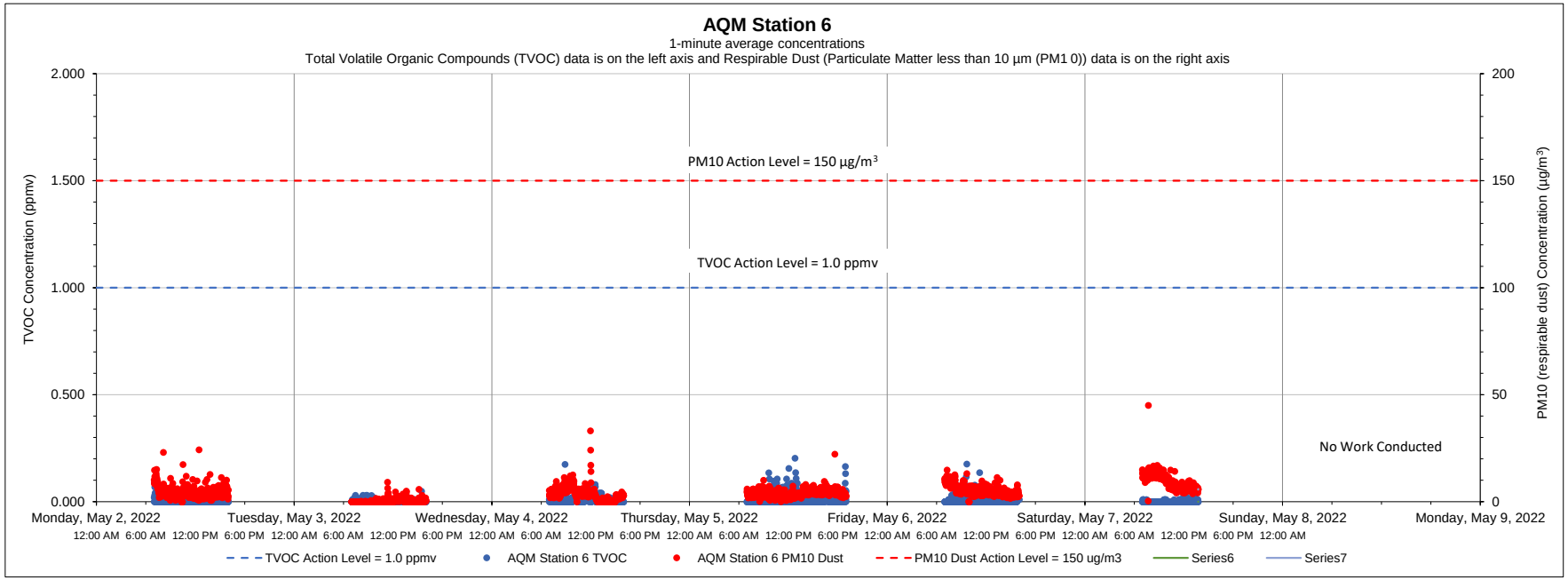

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.07	µg/m^3
PM10 maximum concentration	44.99	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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05/16/2022

Liquefaction Facility Project -

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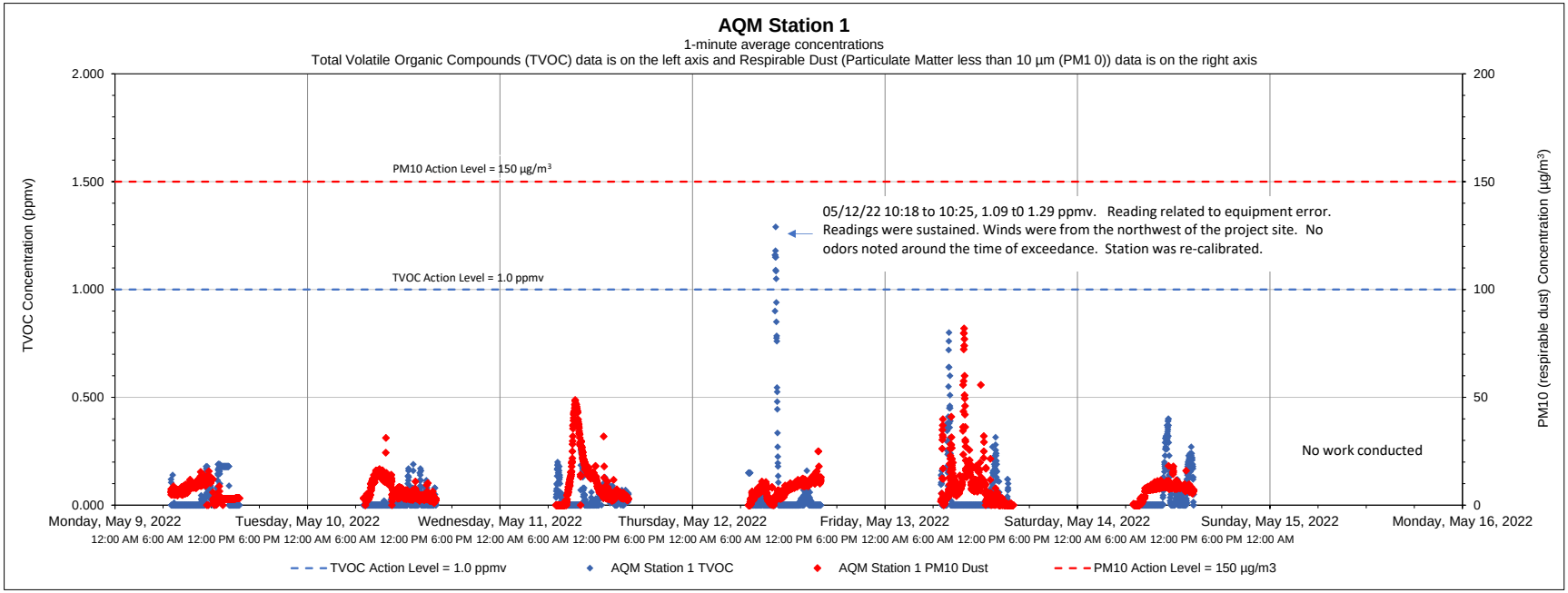

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
5/12/22 Equipment error caused sustained action level exceedances. Equipment was recalibrated which resolved the issue.				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.29	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.97	µg/m^3
PM10 maximum concentration	81.97	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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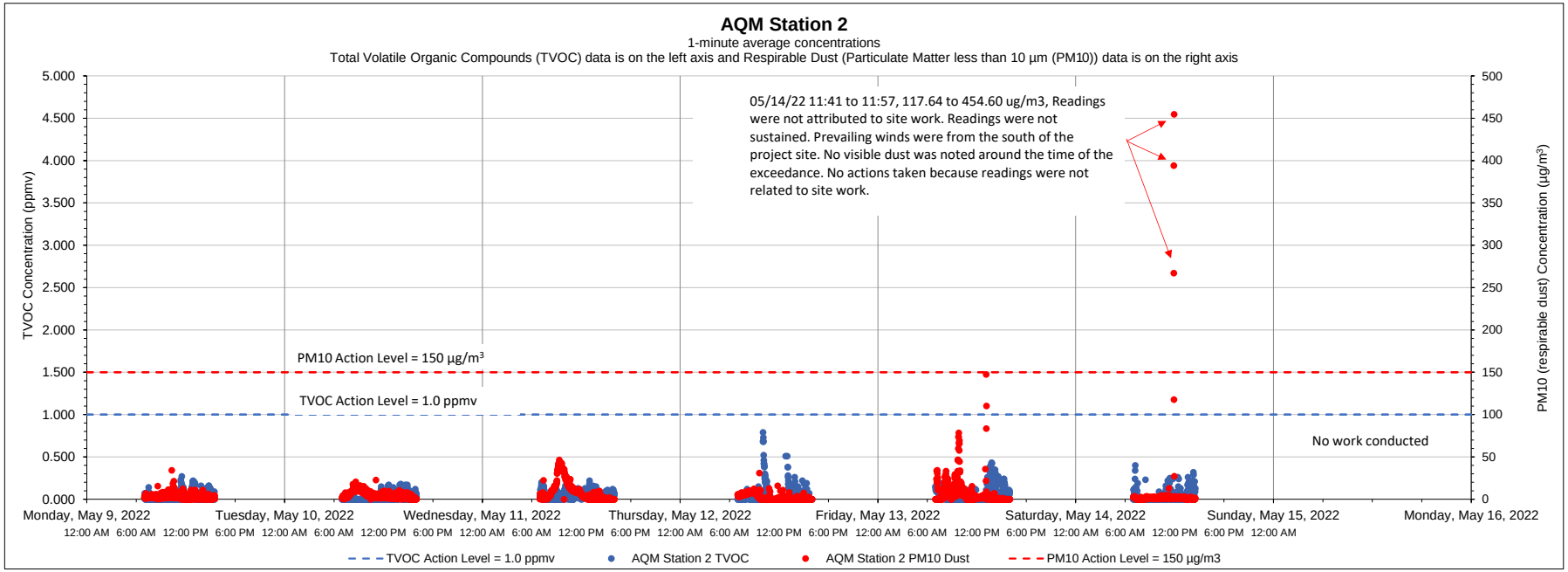

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.79	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.98	µg/m³
PM10 maximum concentration	454.60	µg/m³
PM10 action level	150	µg/m³

Notes:

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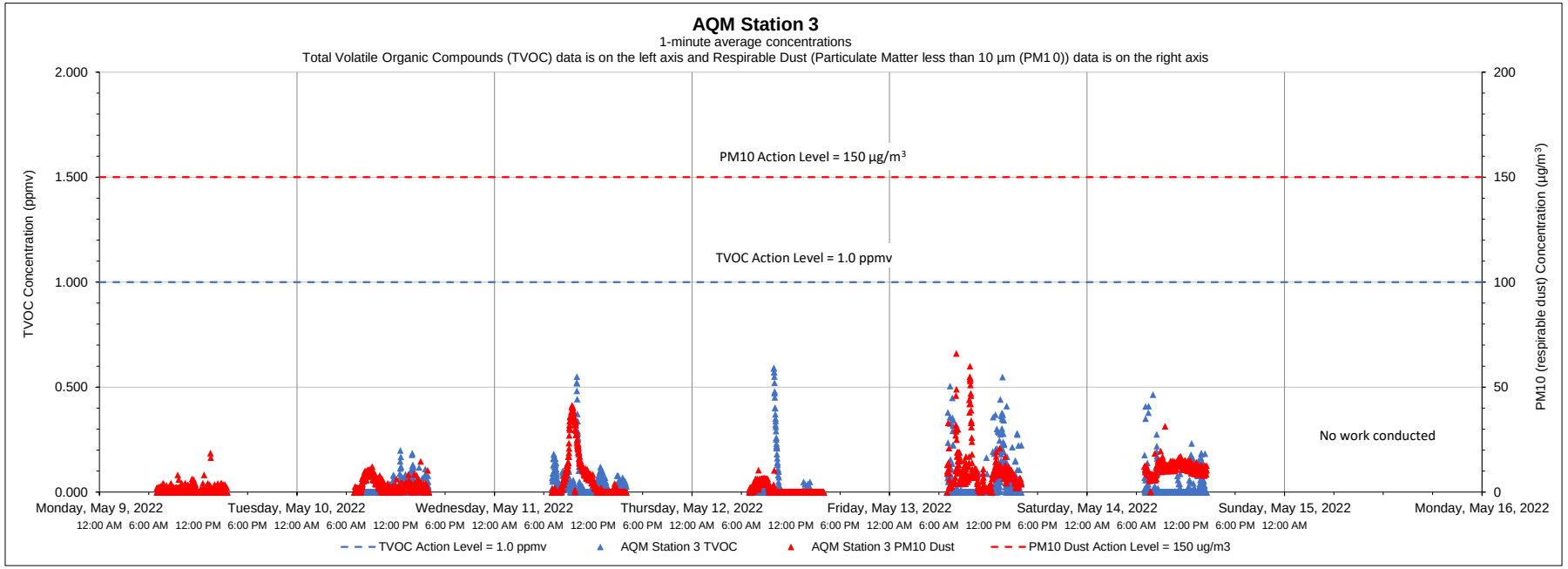
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.59	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.18	µg/m^3
PM10 maximum concentration	66.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

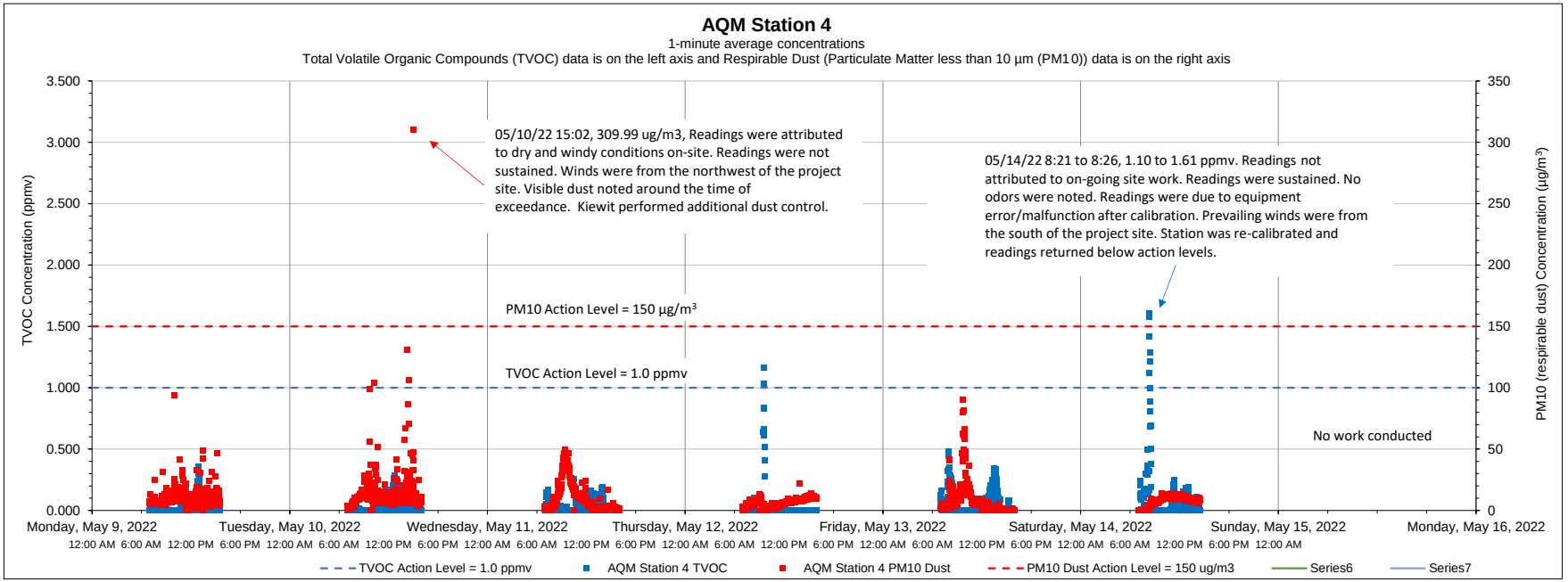
GZA Job No. 03.0033554.04

05/16/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
5/14/22 Equipment error caused sustained action level exceedances. Equipment was recalibrated which resolved the issue.				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	1.61	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.76	µg/m³
PM10 maximum concentration	309.99	µg/m³
PM10 action level	150	µg/m³

Notes:

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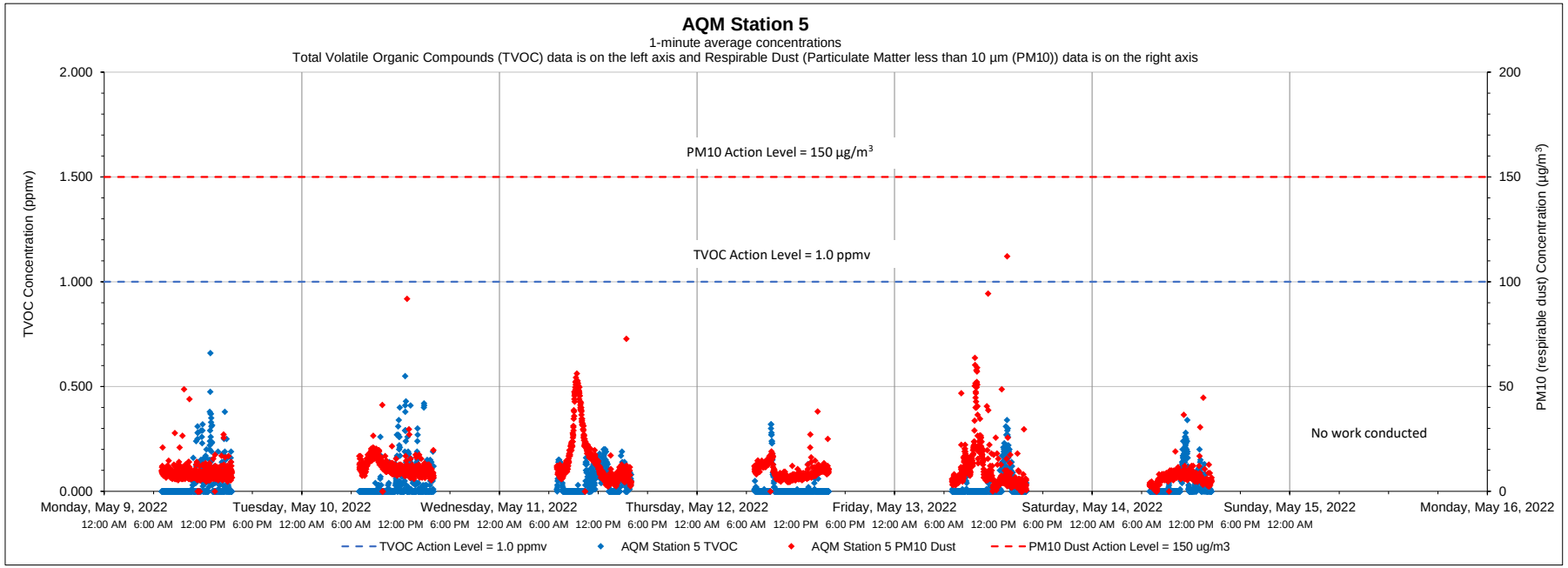

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.66	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.47	µg/m^3
PM10 maximum concentration	112.19	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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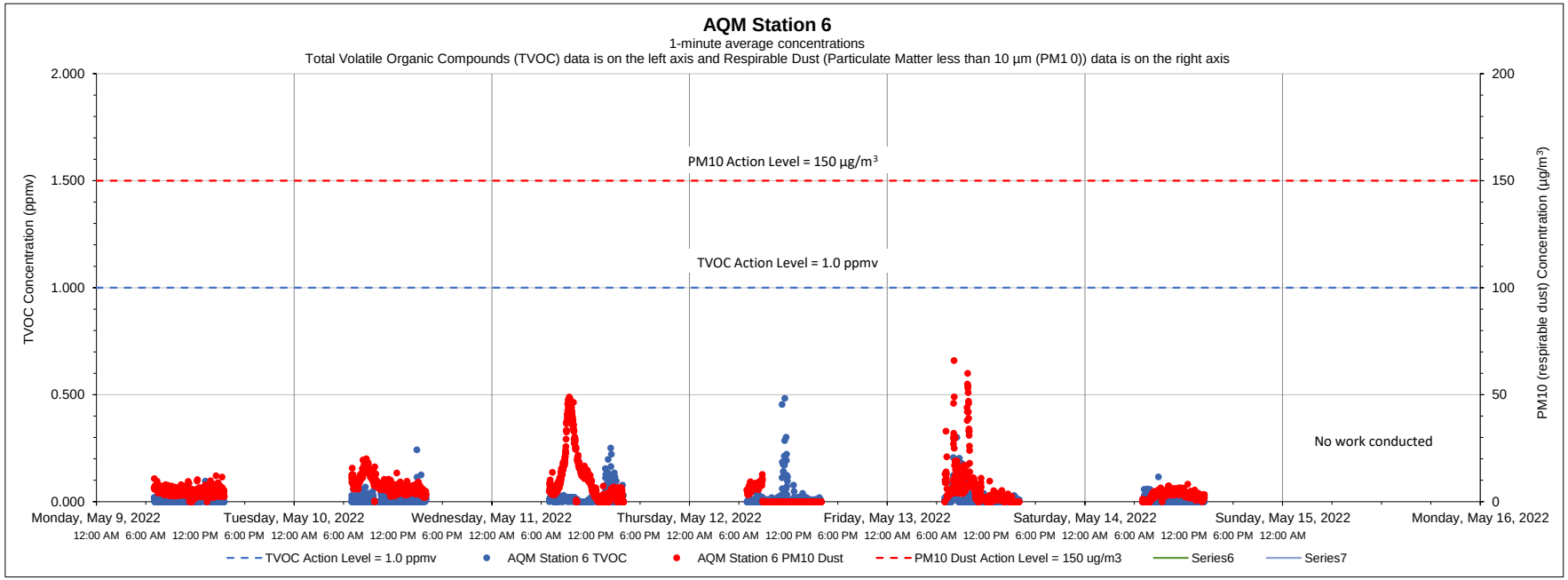

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.72	µg/m^3
PM10 maximum concentration	66.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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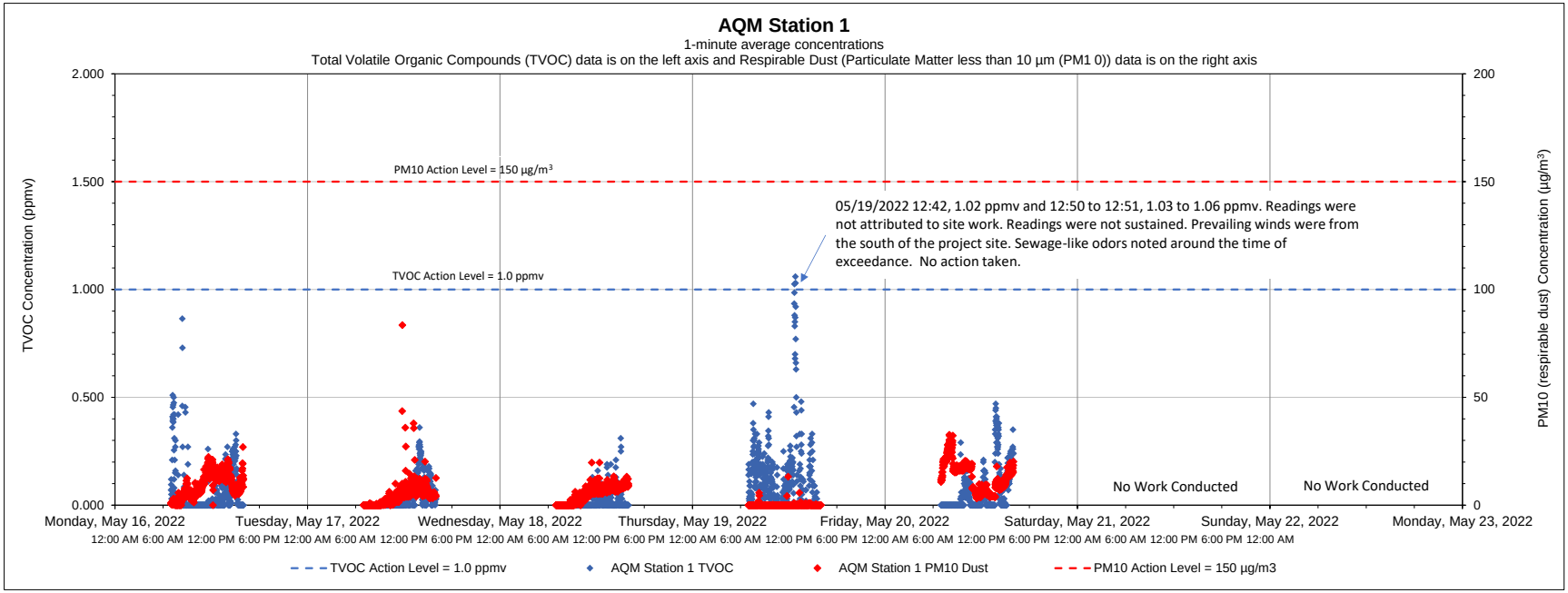

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.06	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.27	µg/m^3
PM10 maximum concentration	83.50	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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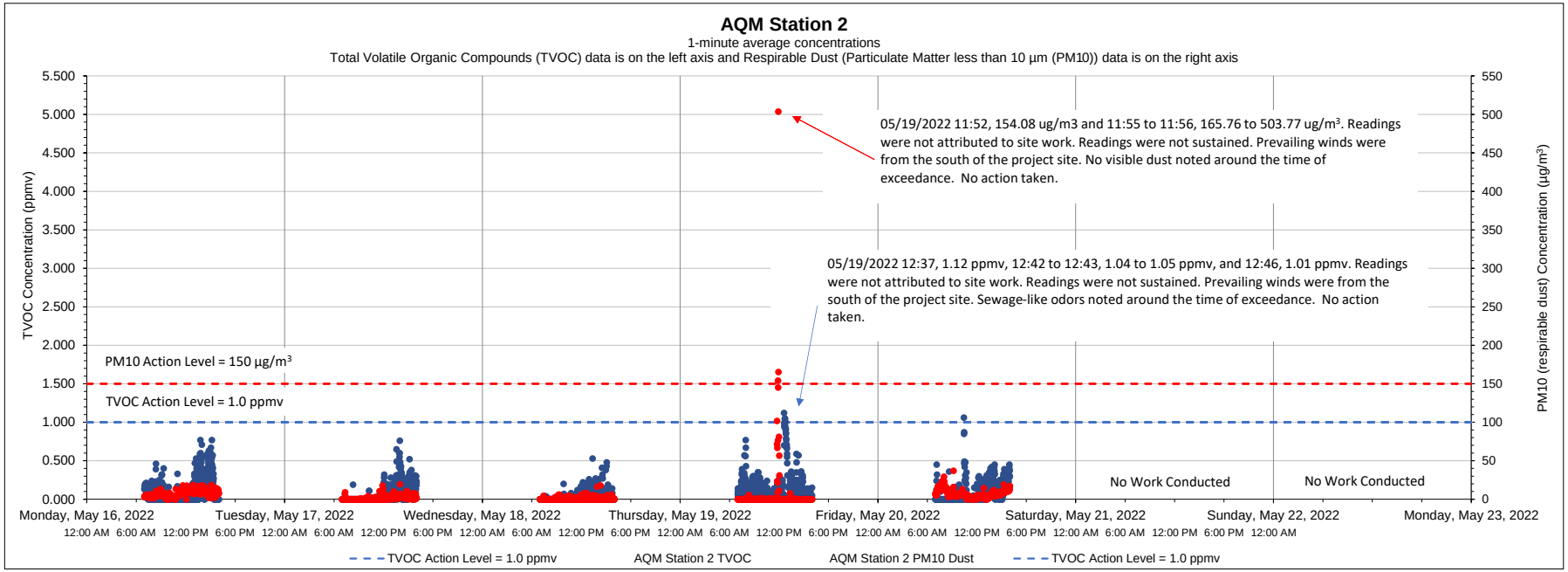

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	1.12	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.73	µg/m³
PM10 maximum concentration	503.77	µg/m³
PM10 action level	150	µg/m³

Notes:

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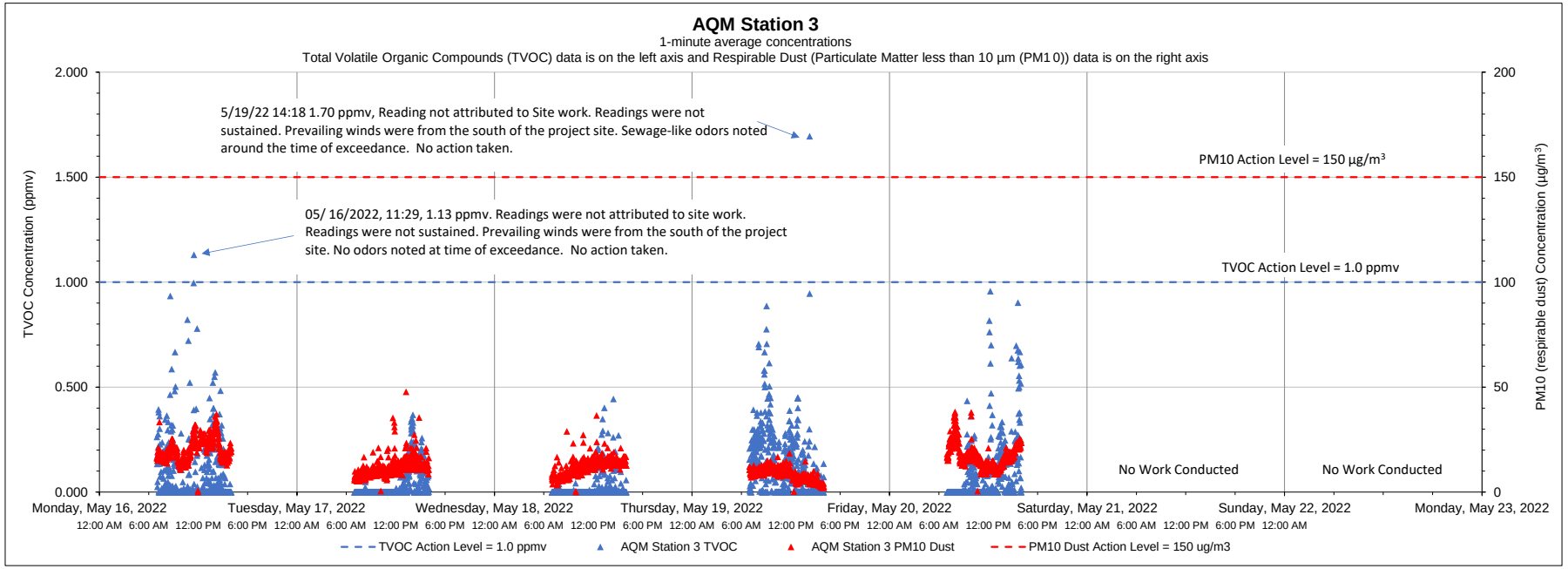

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.72	µg/m^3
PM10 maximum concentration	47.82	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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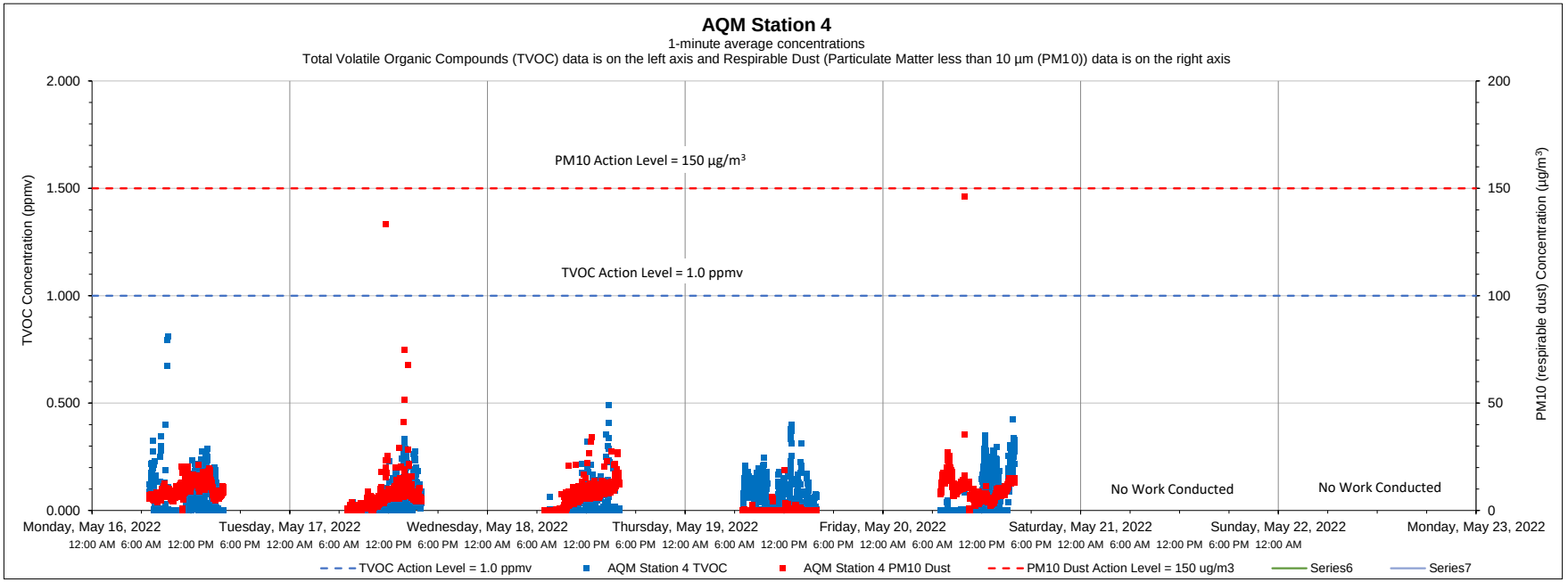

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.81	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.43	µg/m³
PM10 maximum concentration	146.05	µg/m³
PM10 action level	150	µg/m³

Notes:

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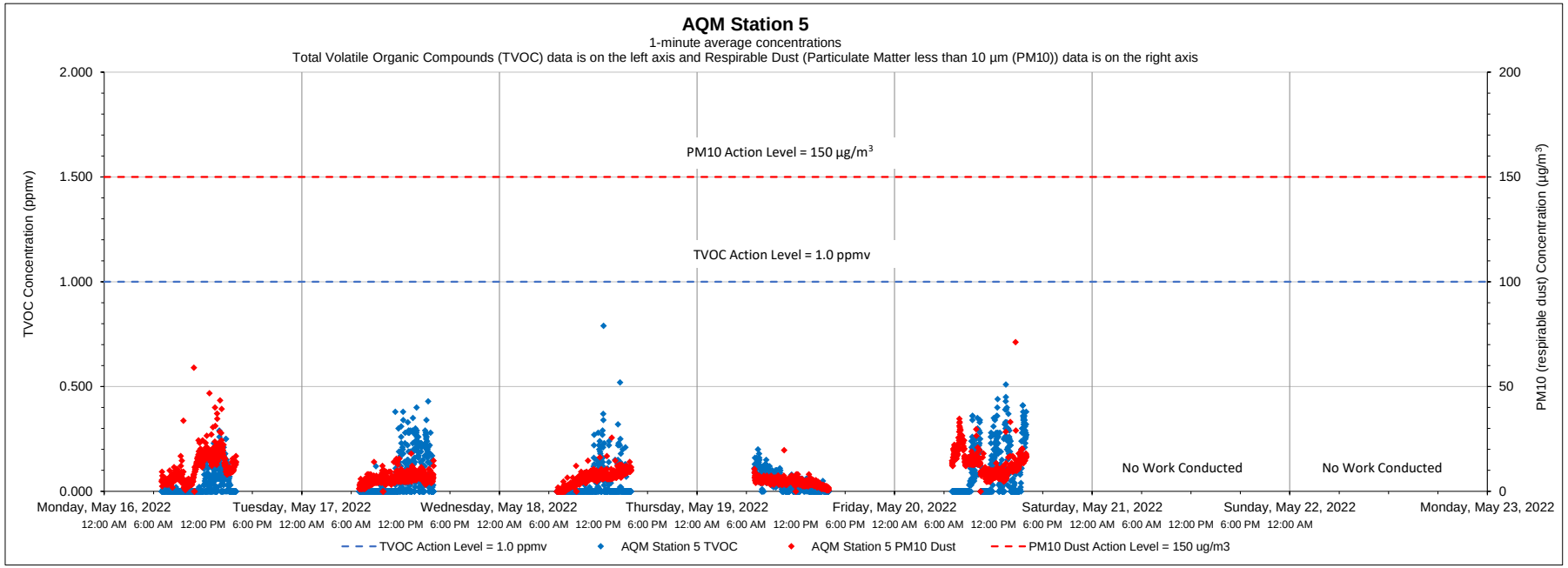

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.79	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.23	µg/m^3
PM10 maximum concentration	71.23	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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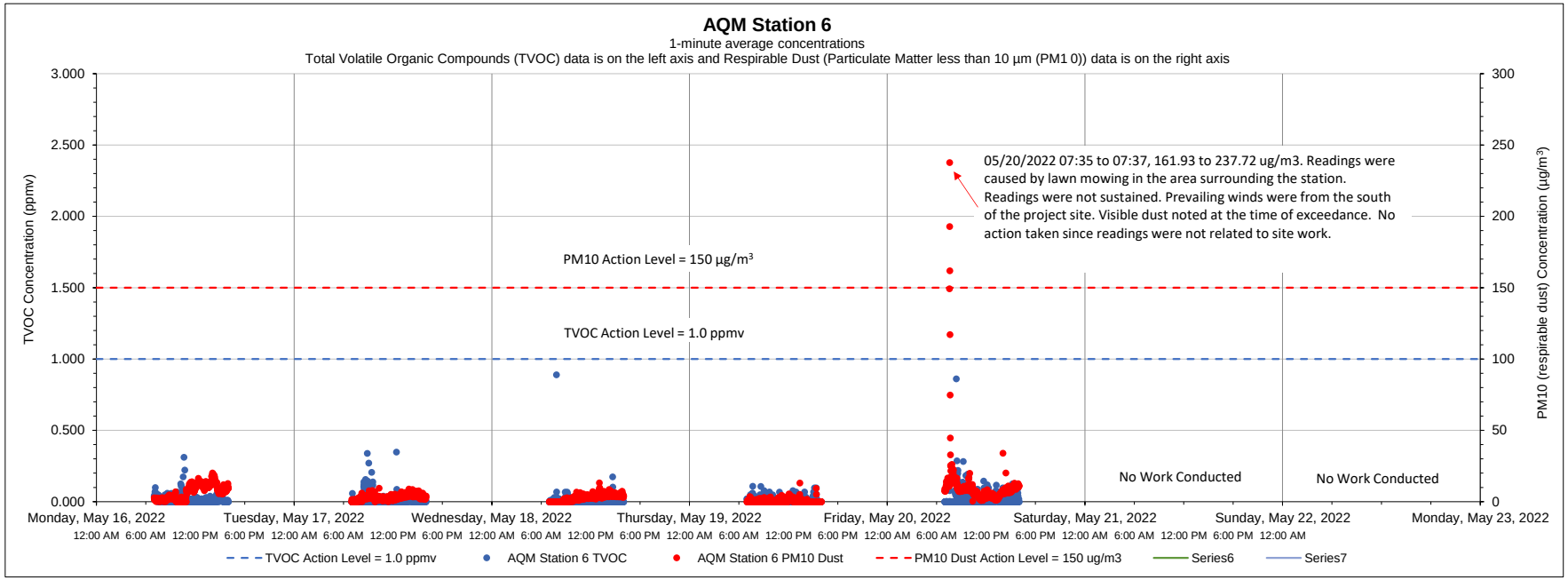

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.89	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.61	µg/m^3
PM10 maximum concentration	237.72	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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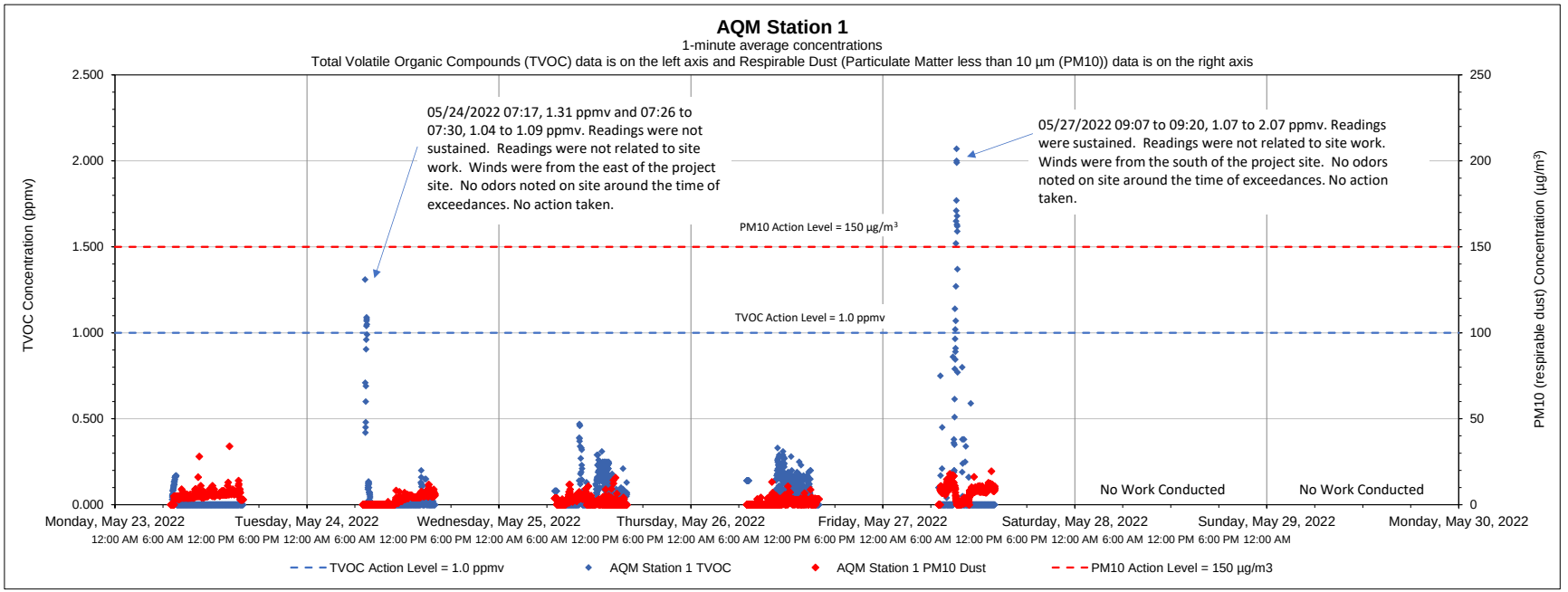

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
5/27/2022	09:07 to 09:20	TVOC	1.07 to 2.07 ppmv	No actions taken, readings not related to site work.
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	2.07	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.52	µg/m³
PM10 maximum concentration	34.00	µg/m³
PM10 action level	150	µg/m³

Notes:

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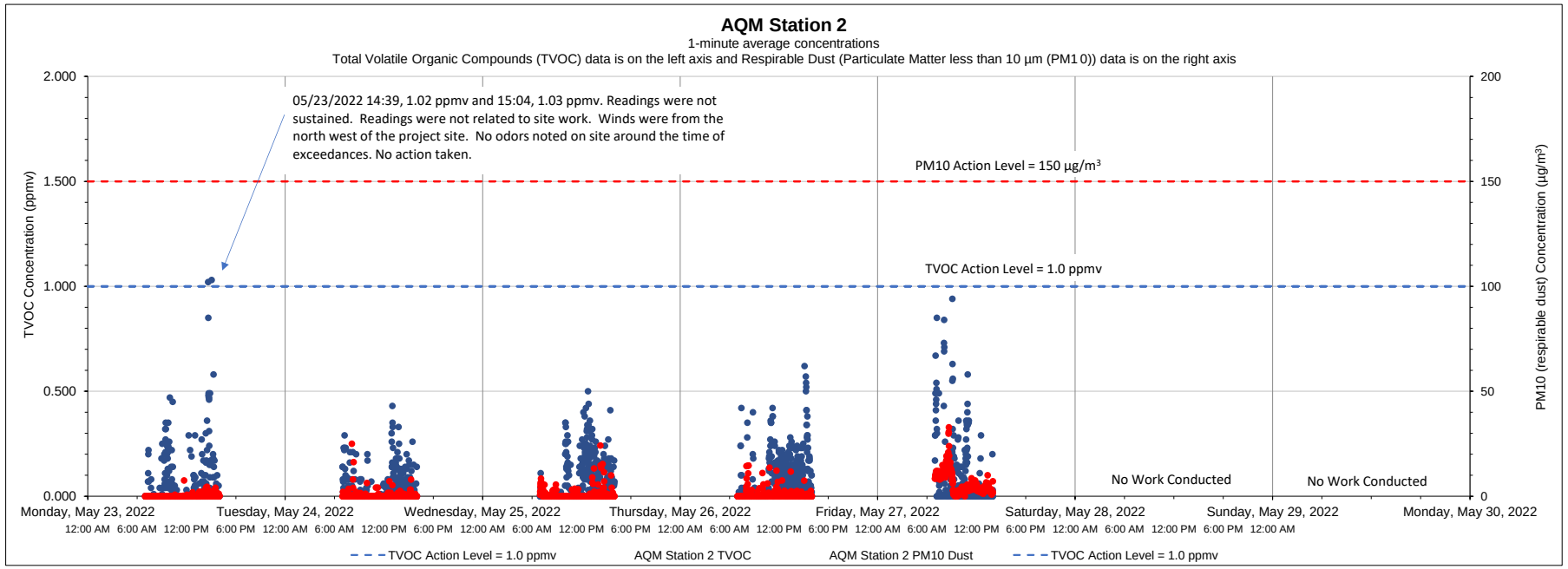

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.03	ppm
TVOCs action level	1	ppm
PM10 average concentration	1.28	µg/m³
PM10 maximum concentration	32.81	µg/m³
PM10 action level	150	µg/m³

Notes:

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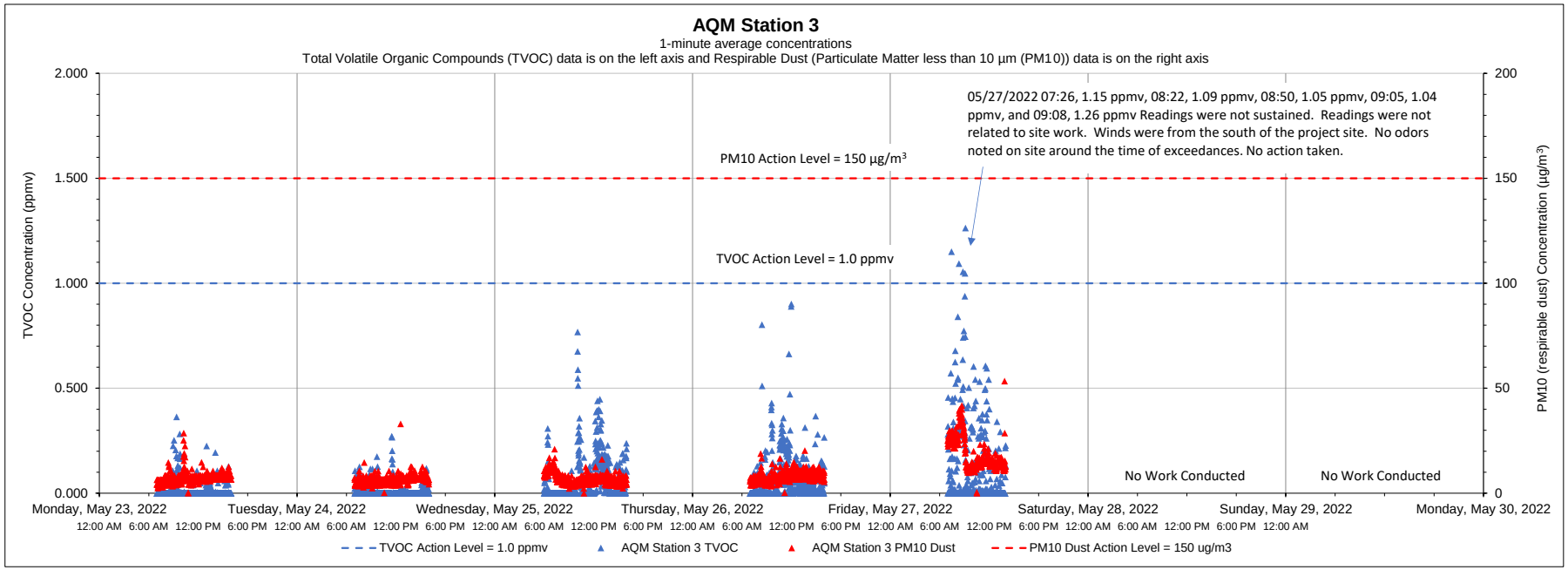

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.26	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.70	µg/m^3
PM10 maximum concentration	53.40	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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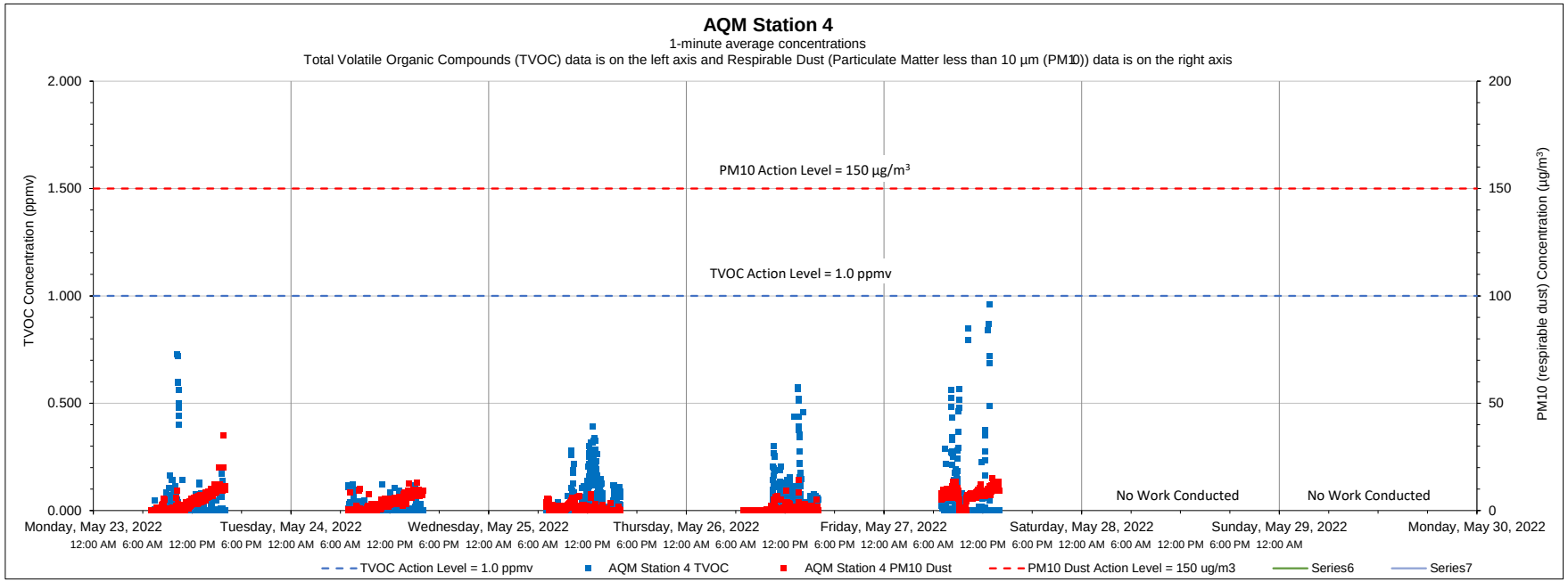

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.96	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.92	µg/m^3
PM10 maximum concentration	34.81	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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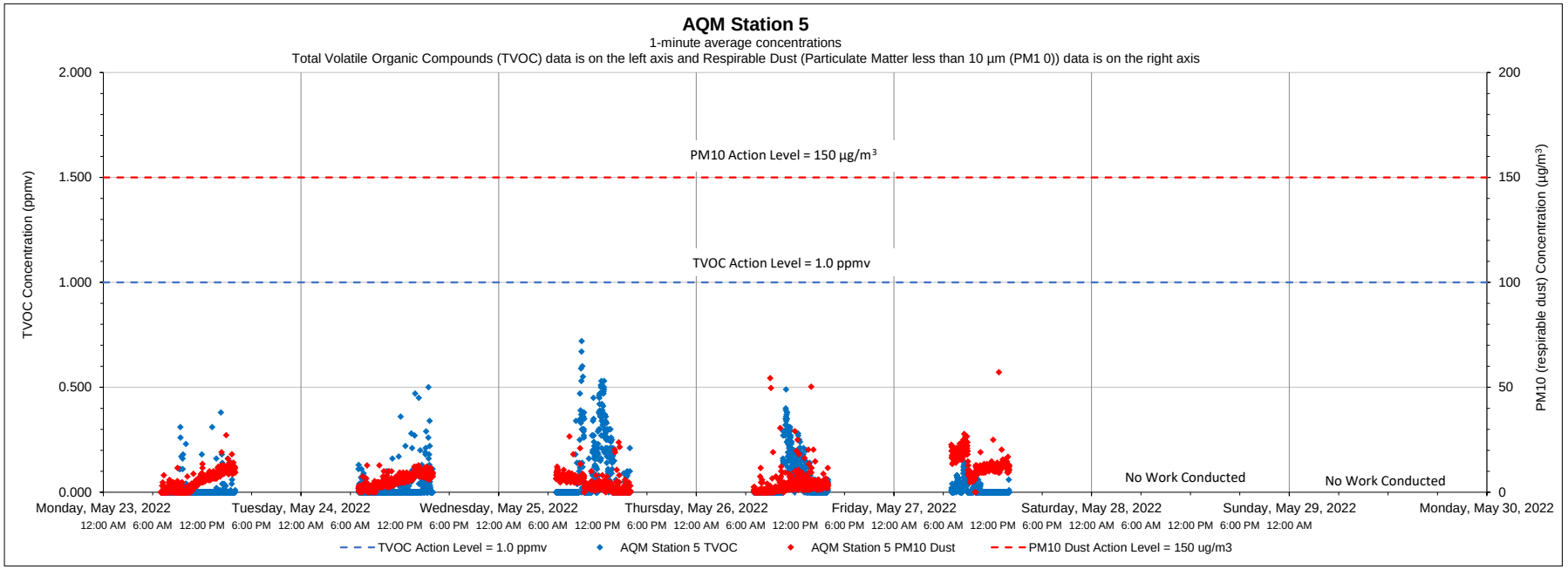

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.72	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.91	µg/m³
PM10 maximum concentration	57.16	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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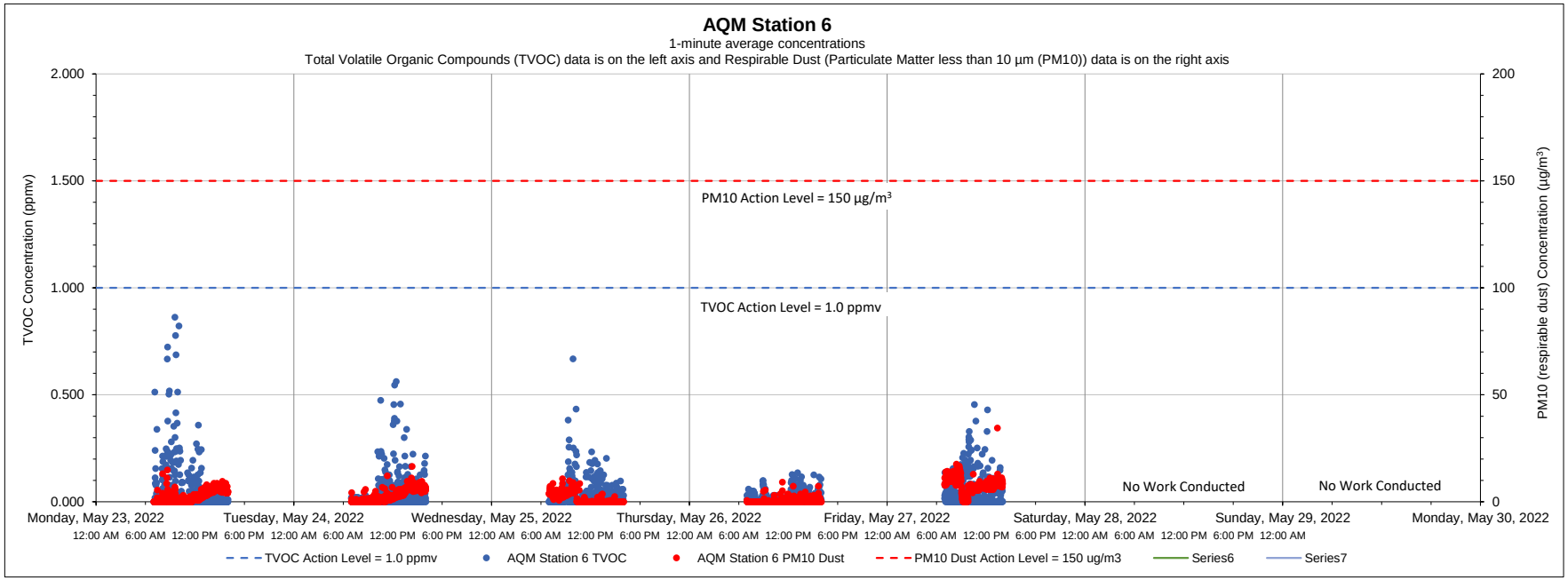

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.86	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.79	µg/m³
PM10 maximum concentration	34.43	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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06/06/2022

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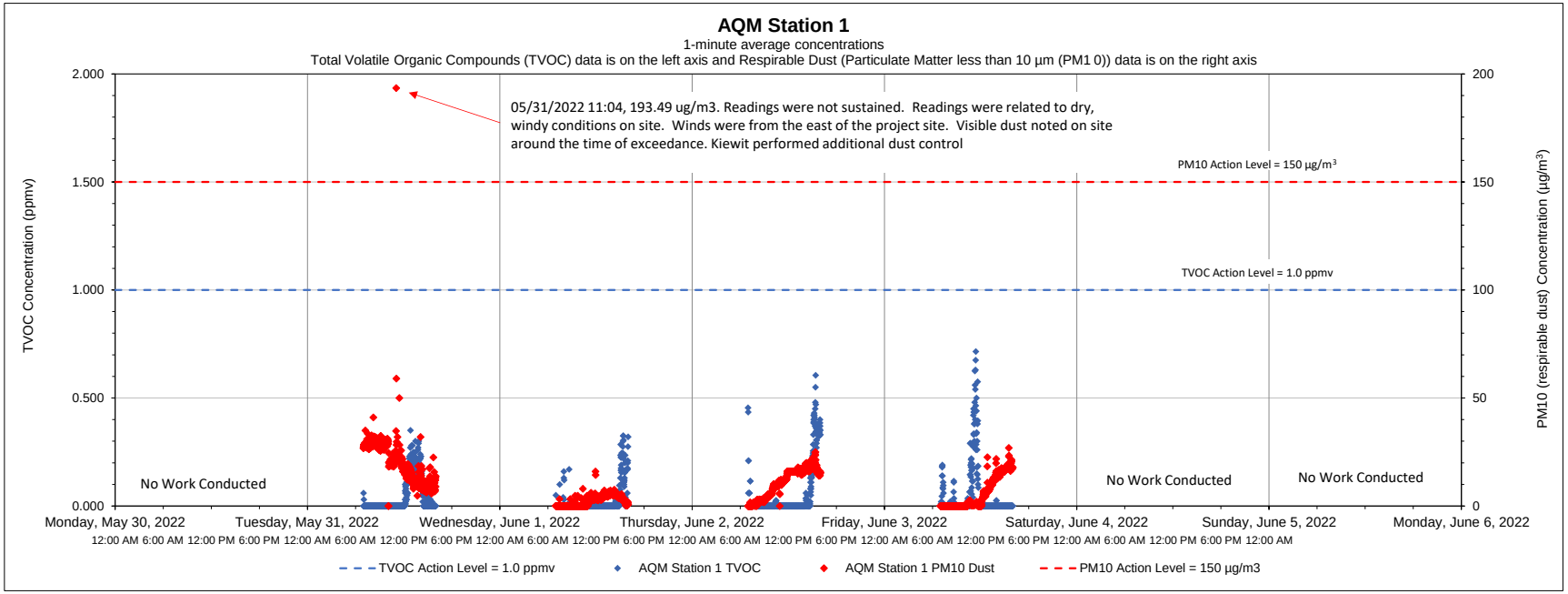

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.72	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.77	µg/m^3
PM10 maximum concentration	193.49	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

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Prepared by GZA on behalf of National Grid LNG LLC

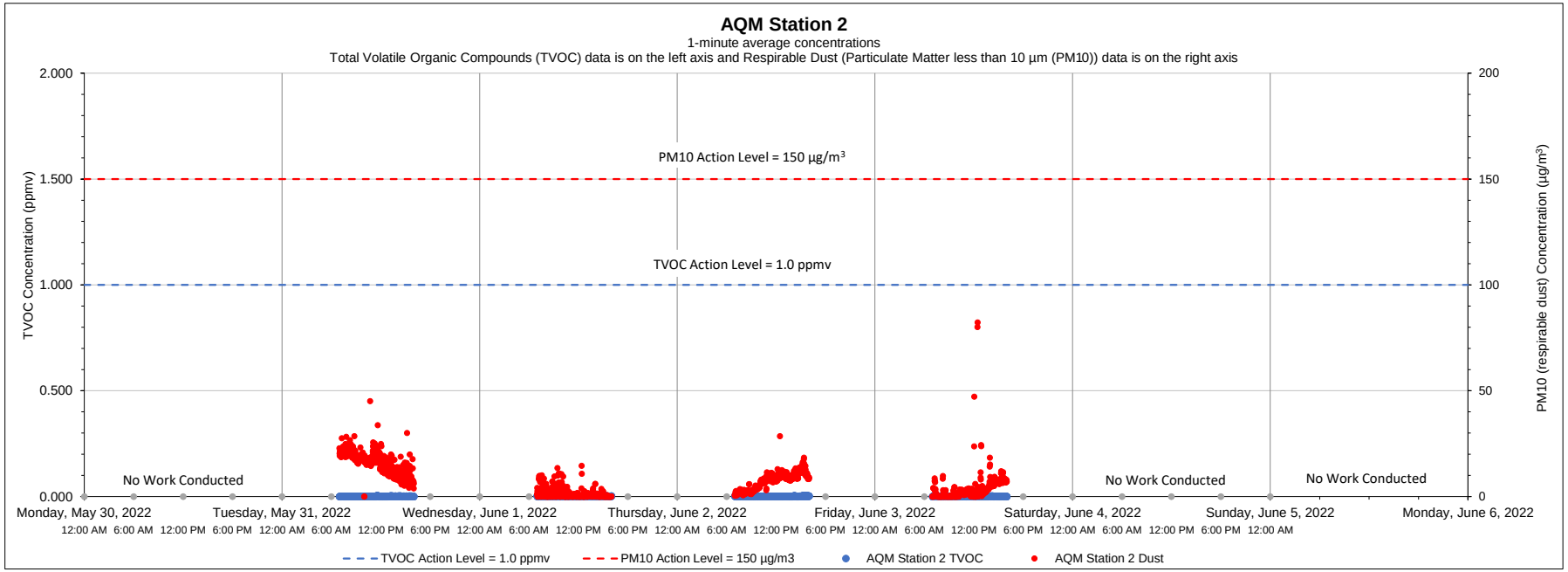
GZA Job No. 03.0033554.04

06/06/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.51	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.85	µg/m³
PM10 maximum concentration	82.25	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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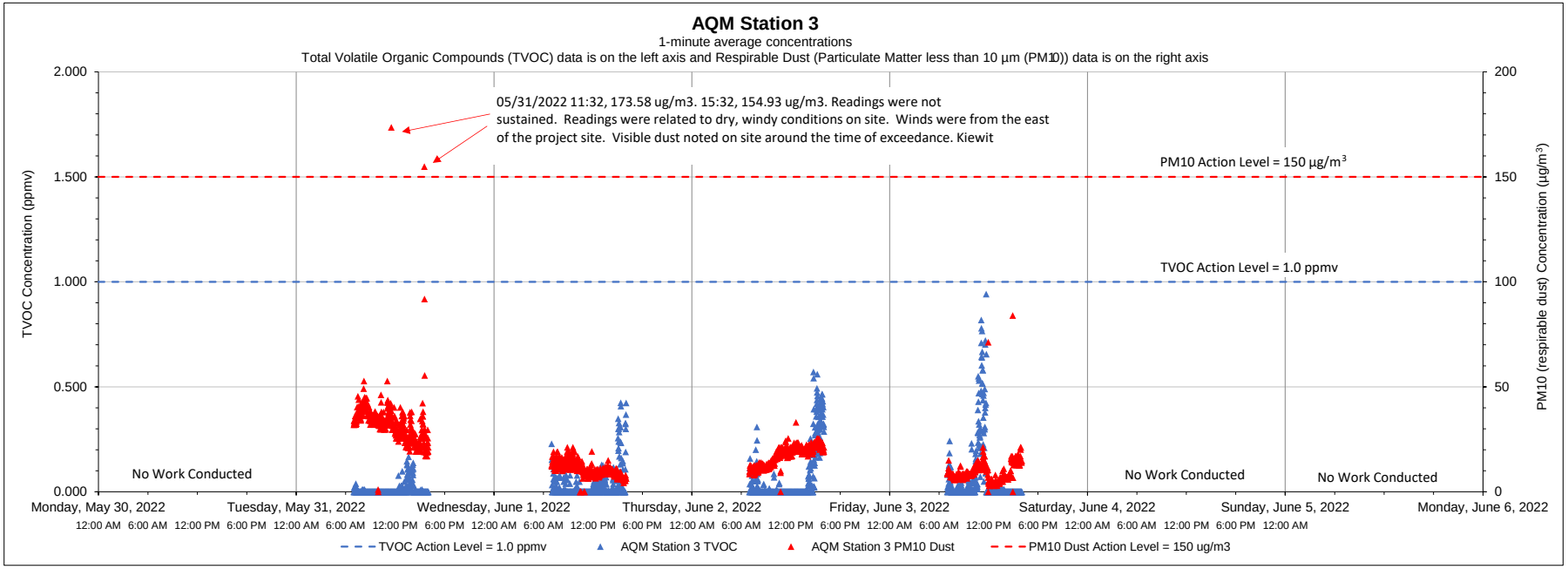

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.94	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.30	µg/m^3
PM10 maximum concentration	173.58	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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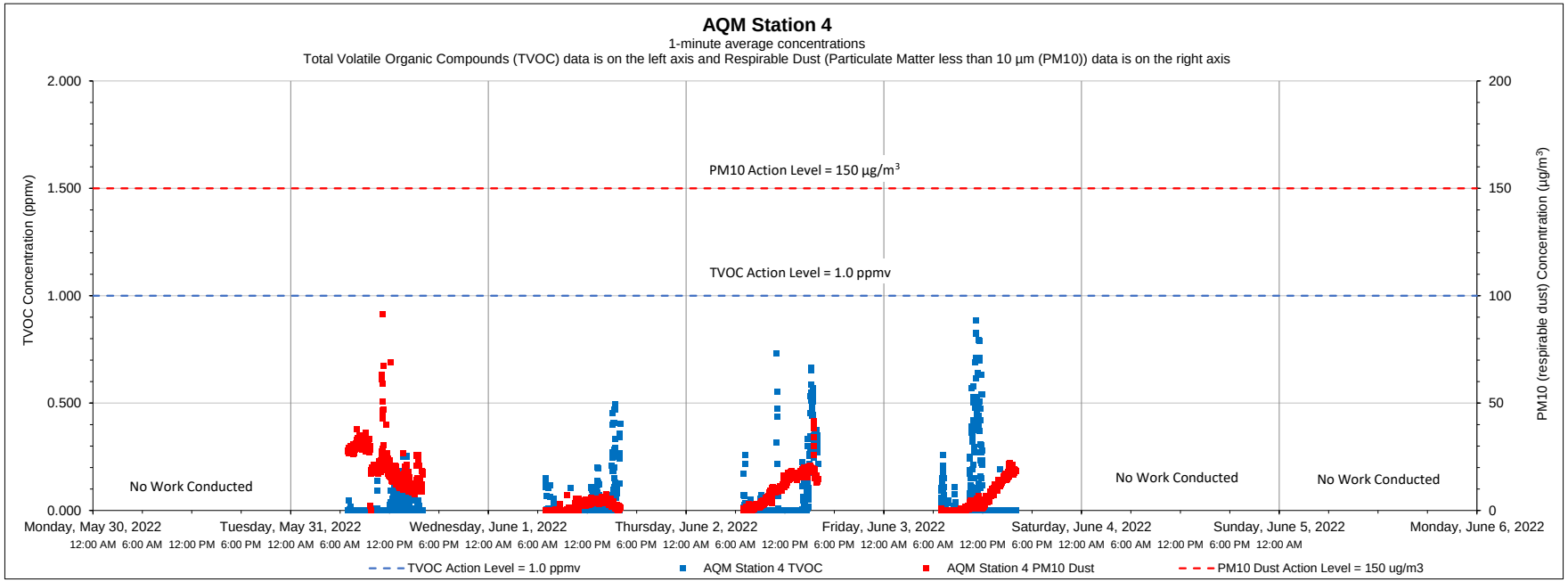

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.89	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.78	µg/m³
PM10 maximum concentration	91.20	µg/m³
PM10 action level	150	µg/m³

Notes:

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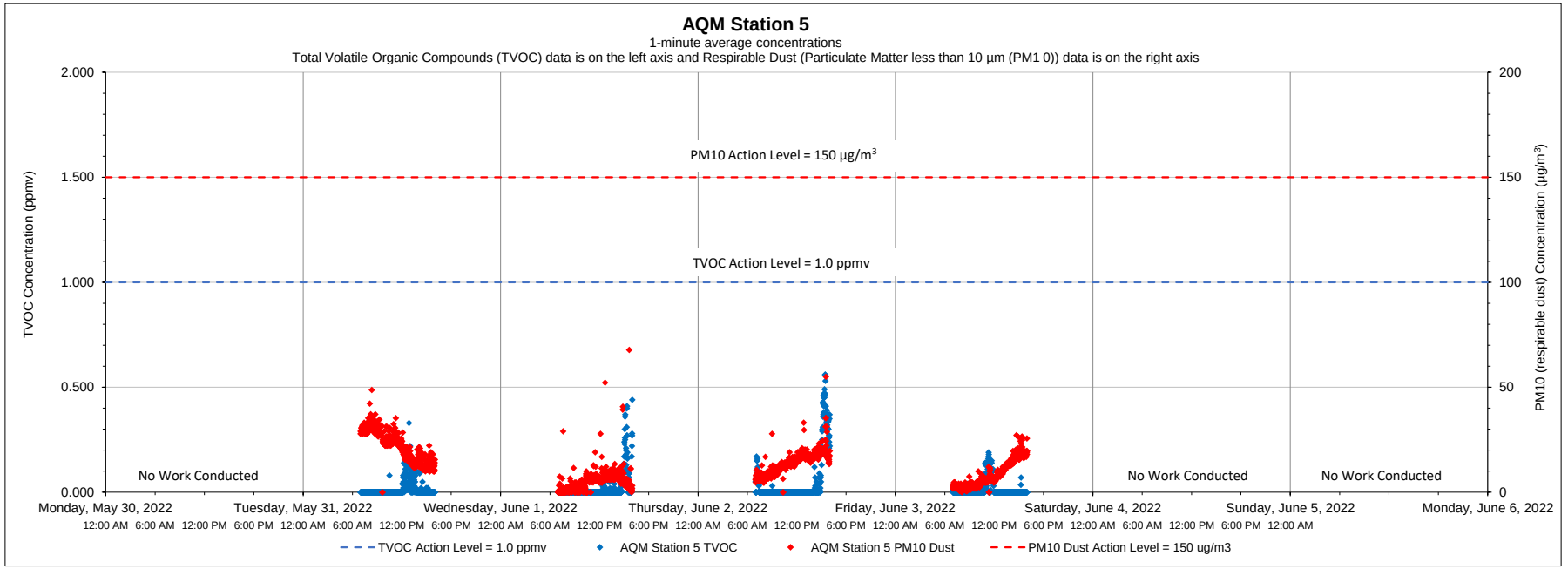

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.56	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.34	µg/m^3
PM10 maximum concentration	67.81	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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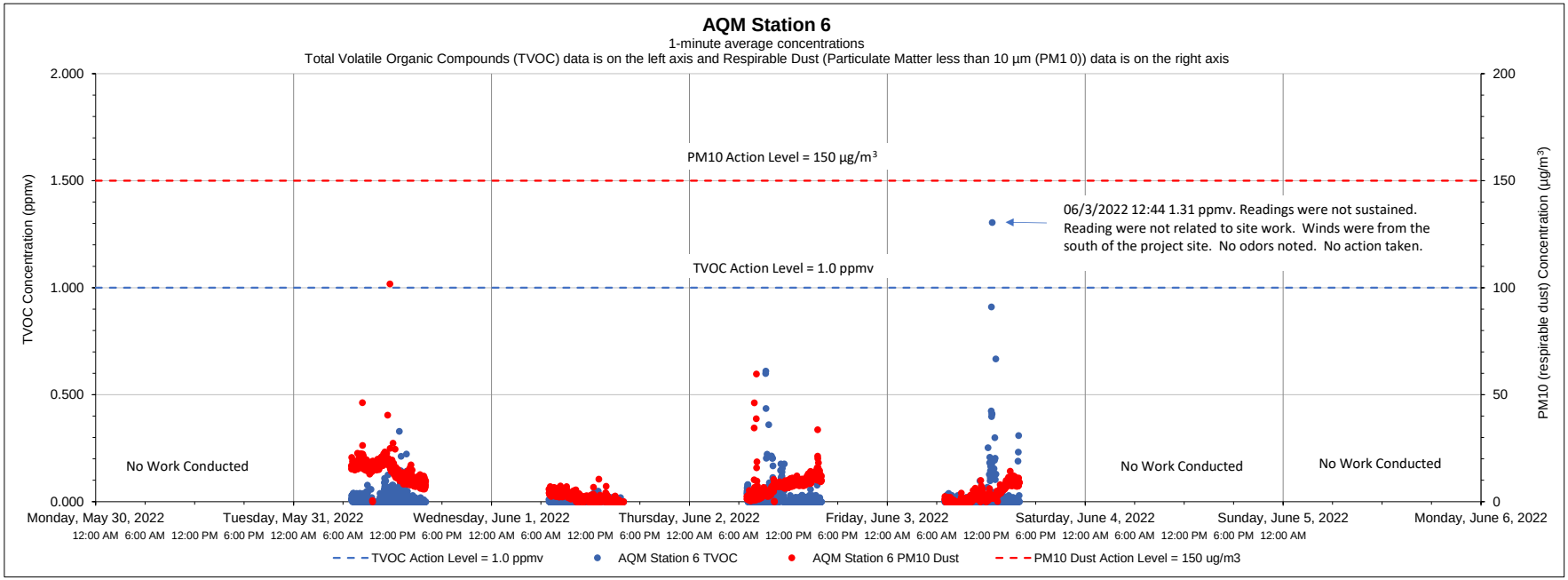

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	1.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.85	µg/m^3
PM10 maximum concentration	101.81	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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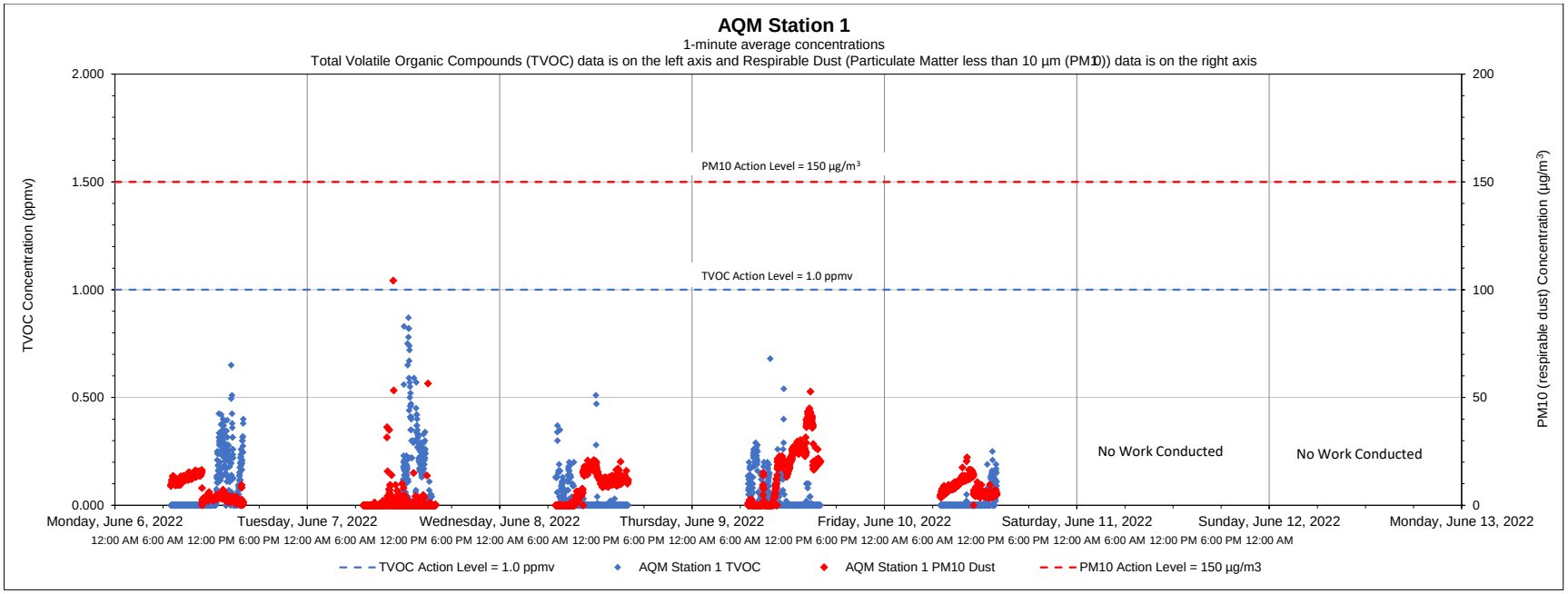

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.87	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.97	µg/m^3
PM10 maximum concentration	104.22	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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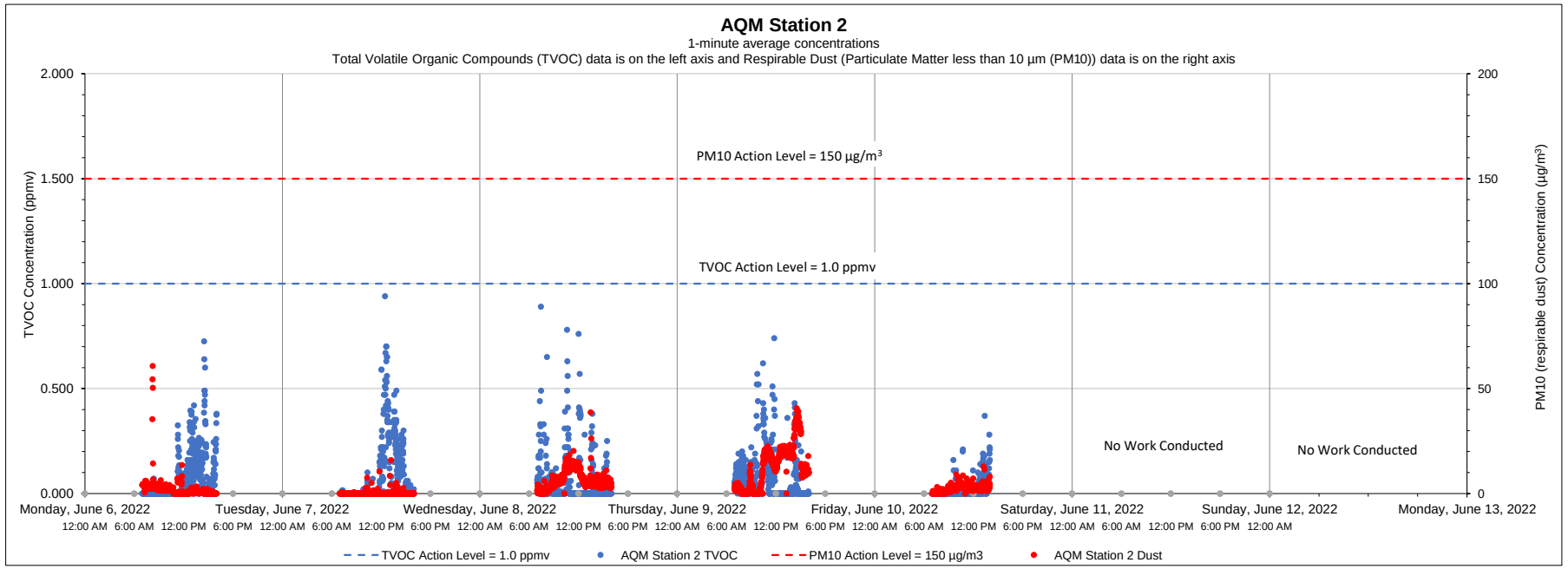

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.94	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.74	µg/m³
PM10 maximum concentration	60.70	µg/m³
PM10 action level	150	µg/m³

Notes:

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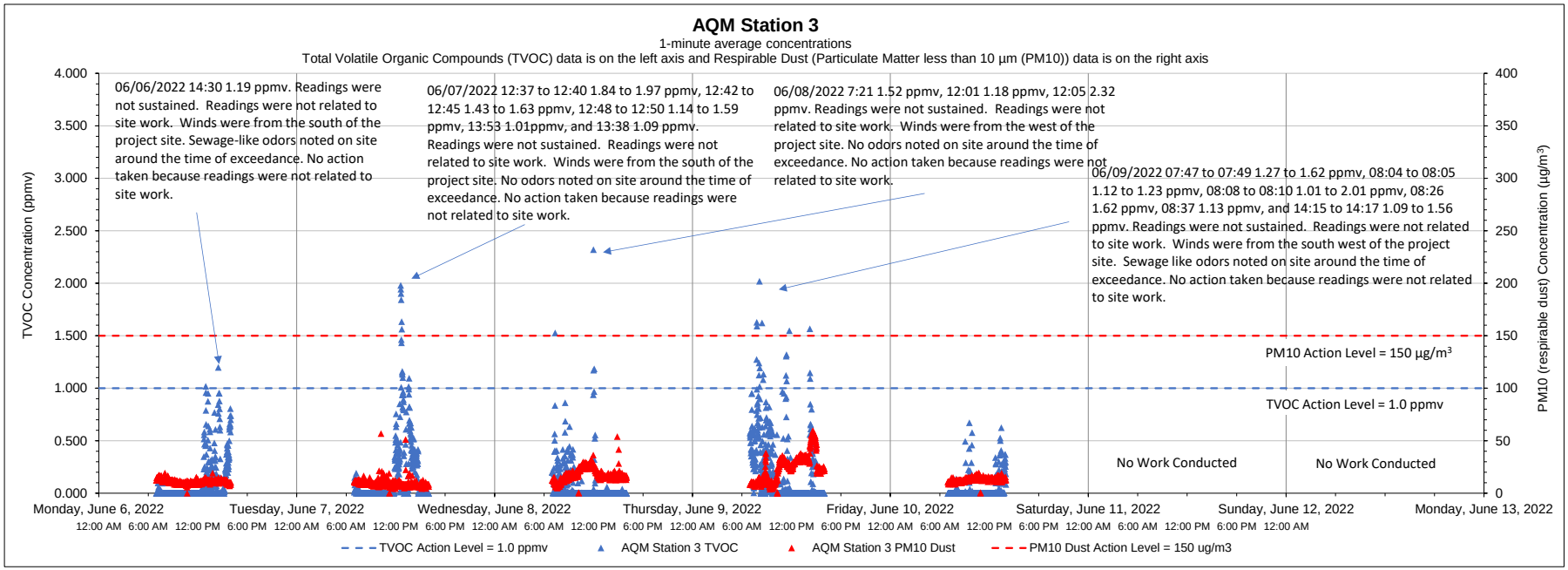

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.11	ppm
TVOCs maximum concentration	2.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.95	µg/m^3
PM10 maximum concentration	59.34	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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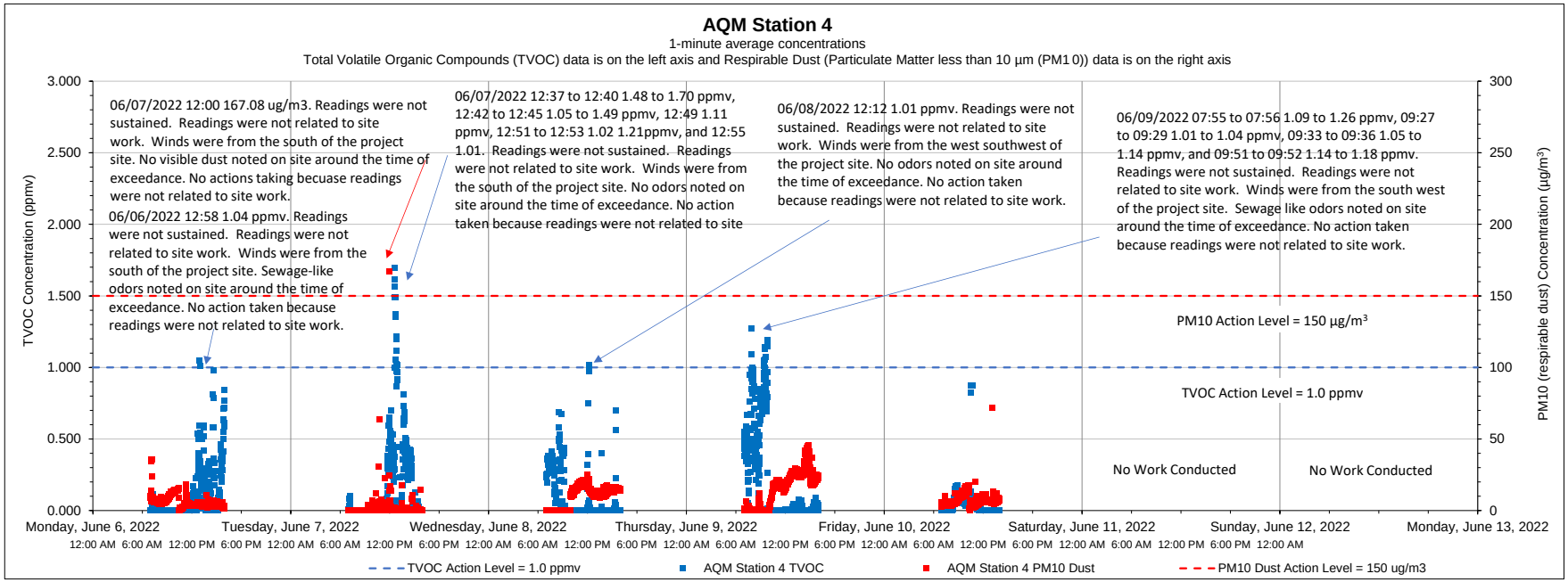

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.12	ppm
TVOCs maximum concentration	1.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.77	µg/m³
PM10 maximum concentration	167.08	µg/m³
PM10 action level	150	µg/m³

Notes:

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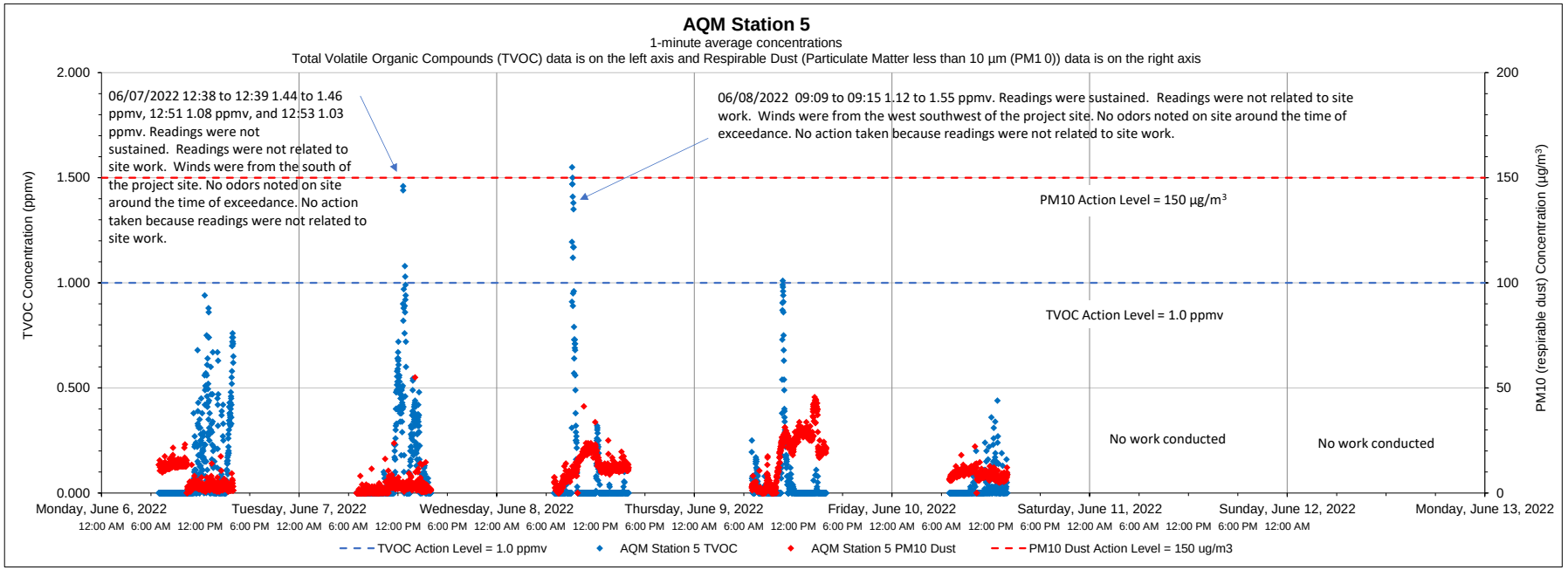

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
6/8/2022	9:09 to 9:15	TVOC	1.12 to 1.55 ppmv	No actions taken, readings not related to site work.
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	1.55	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.71	µg/m³
PM10 maximum concentration	54.99	µg/m³
PM10 action level	150	µg/m³

Notes:

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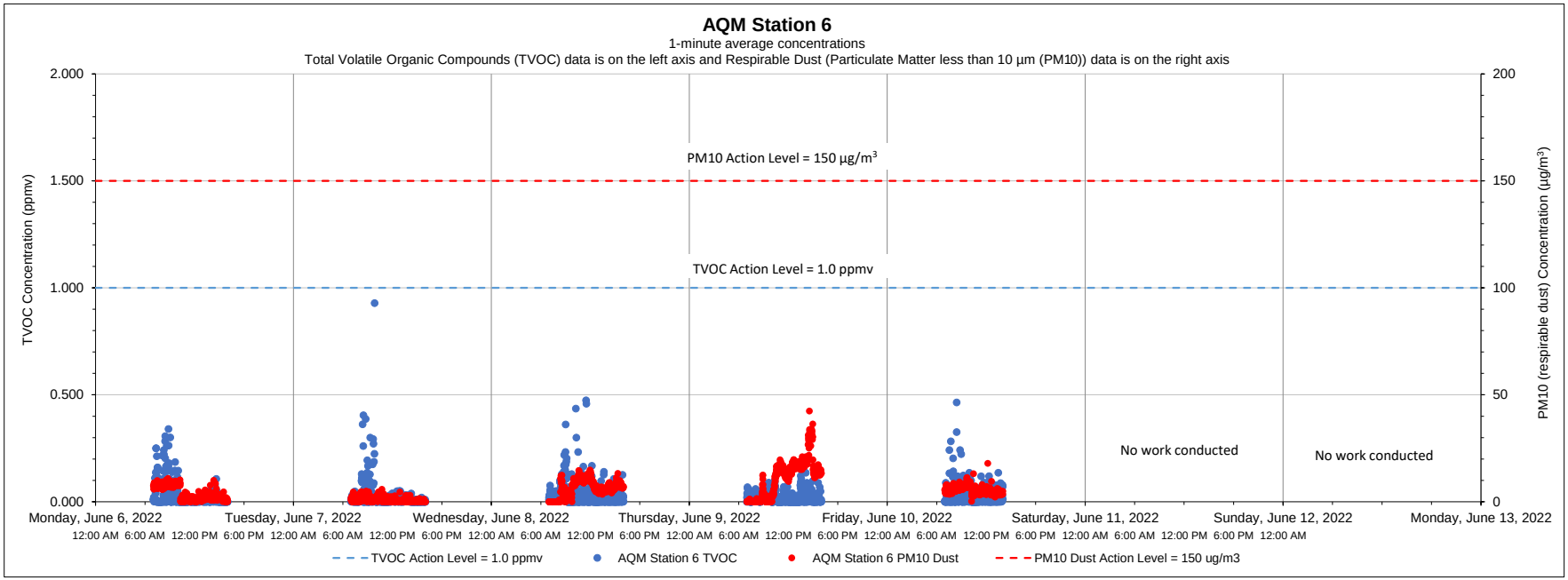

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.93	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.45	µg/m³
PM10 maximum concentration	42.41	µg/m³
PM10 action level	150	µg/m³

Notes:

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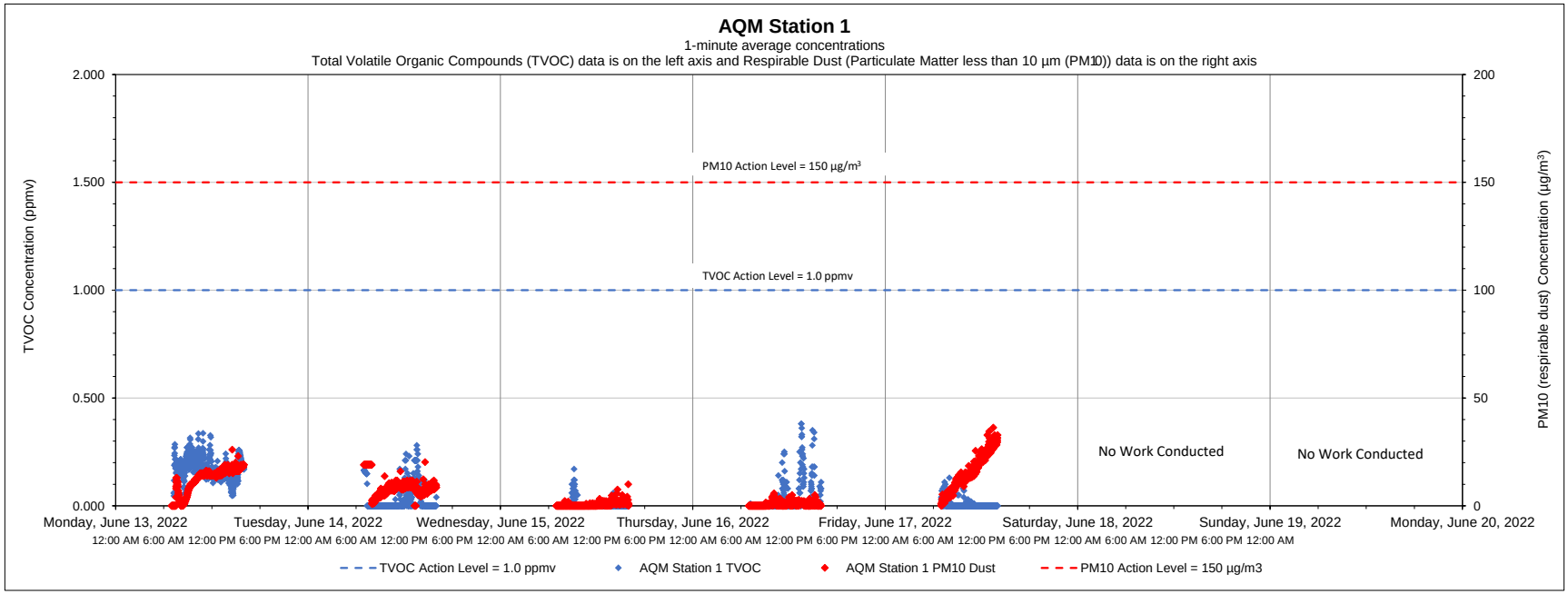

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.38	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.10	µg/m^3
PM10 maximum concentration	36.23	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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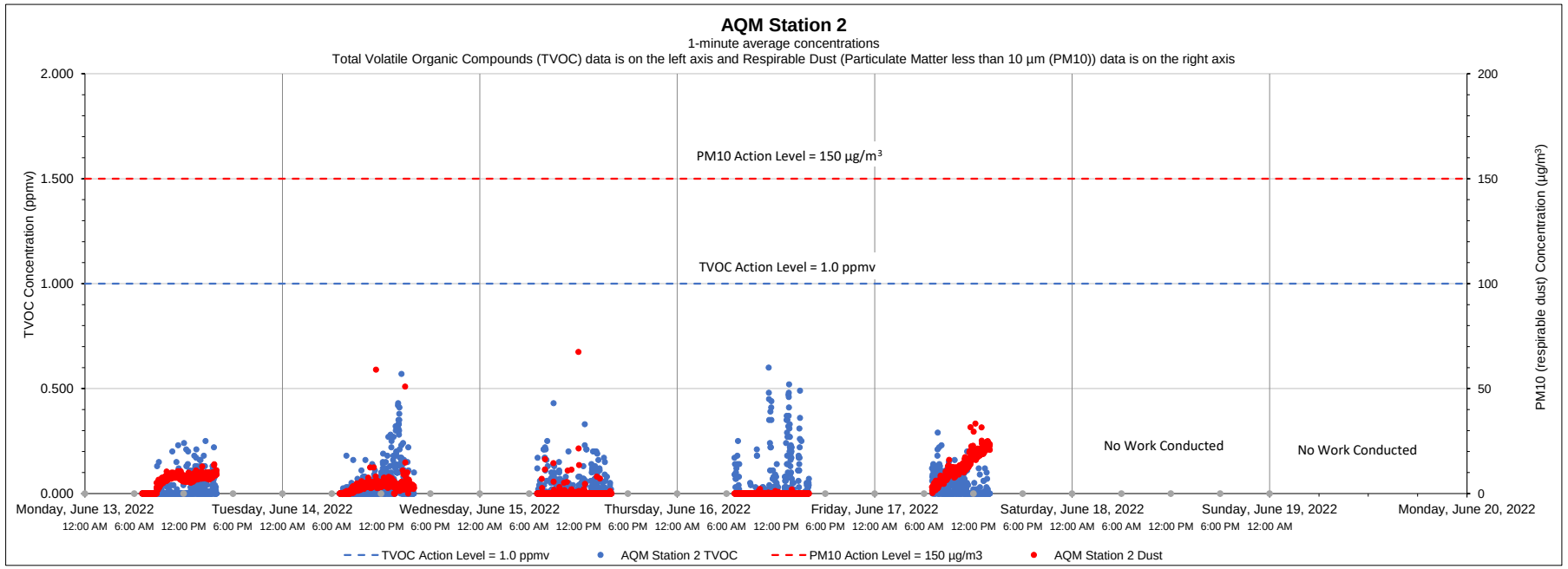

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.60	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.18	µg/m³
PM10 maximum concentration	67.42	µg/m³
PM10 action level	150	µg/m³

Notes:

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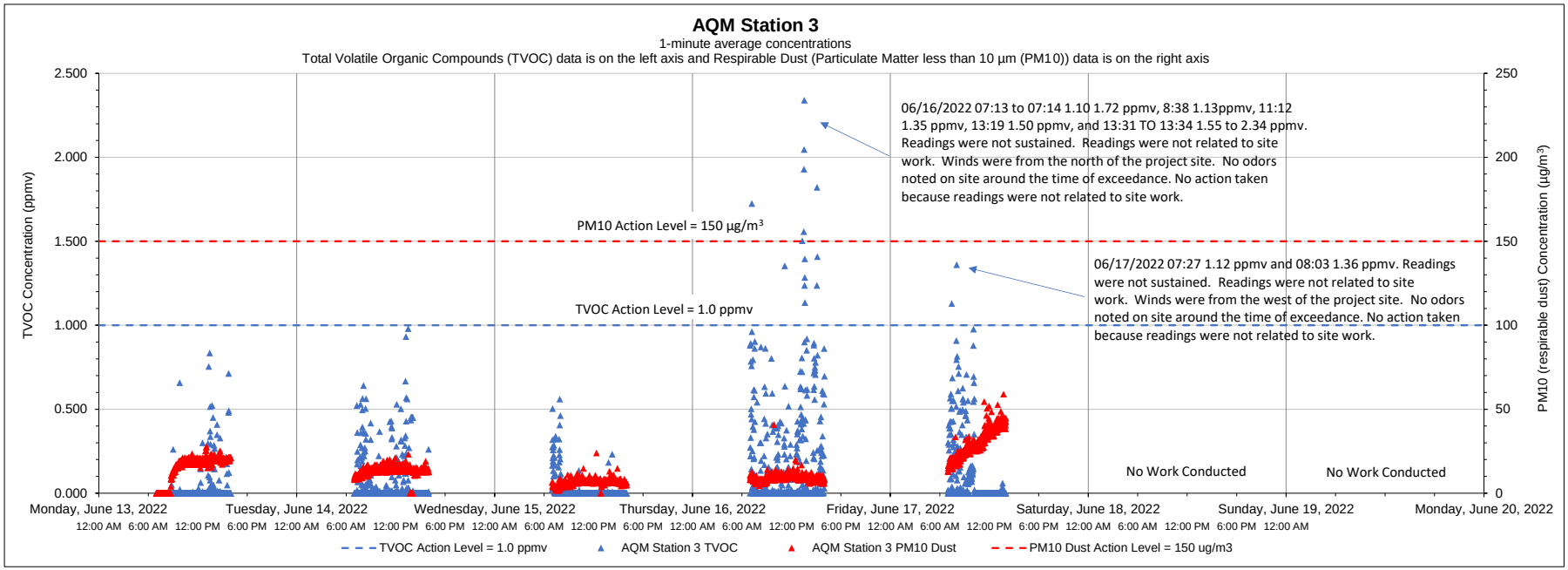

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	2.34	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.01	µg/m^3
PM10 maximum concentration	58.99	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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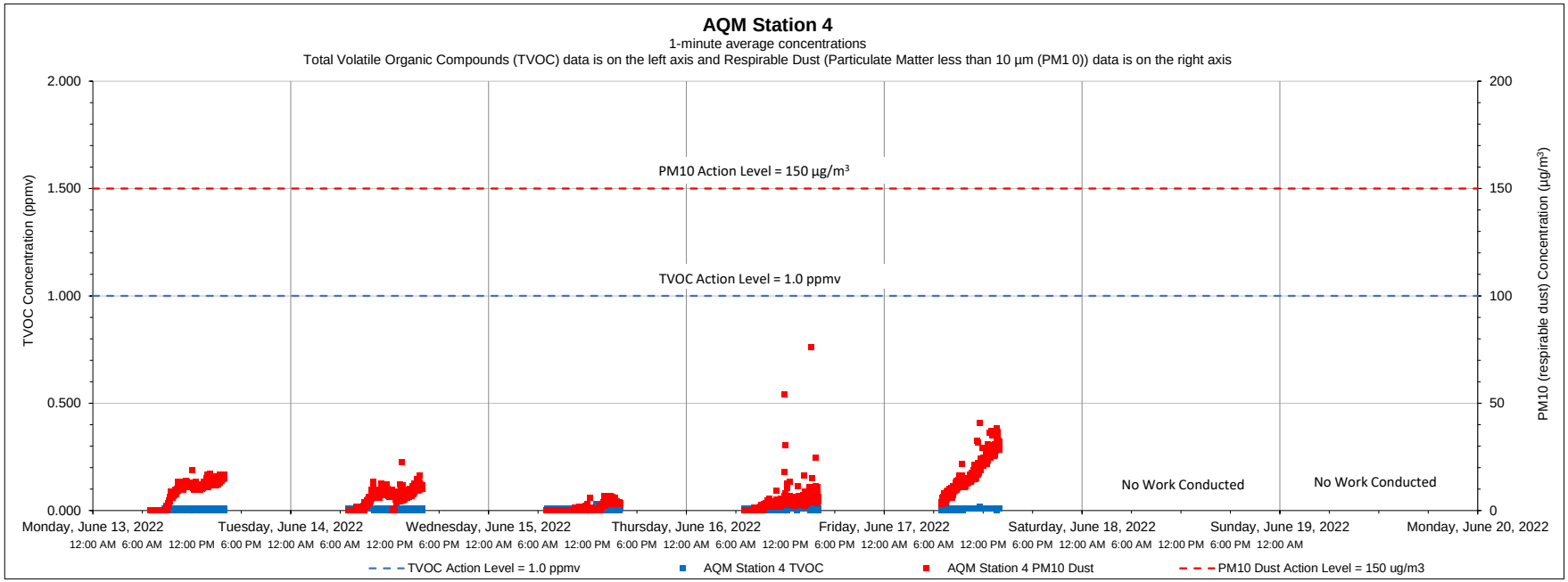

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.03	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.74	µg/m³
PM10 maximum concentration	75.89	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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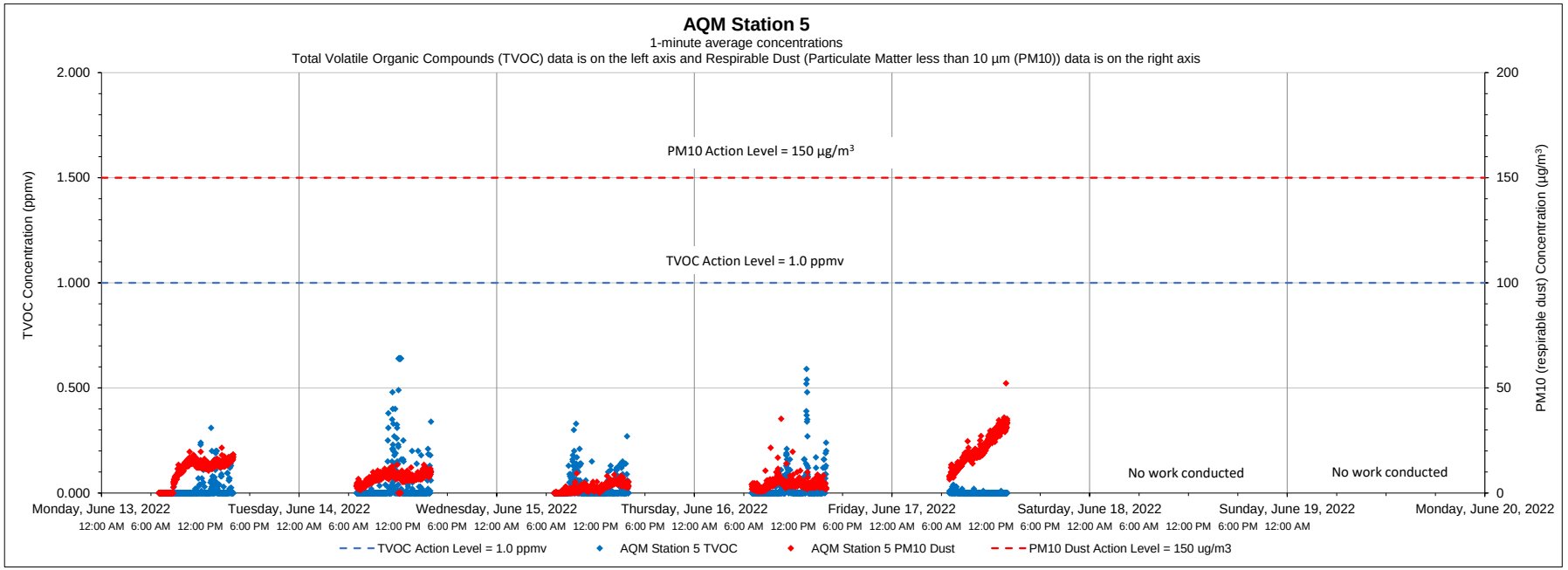

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.64	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.47	µg/m³
PM10 maximum concentration	52.19	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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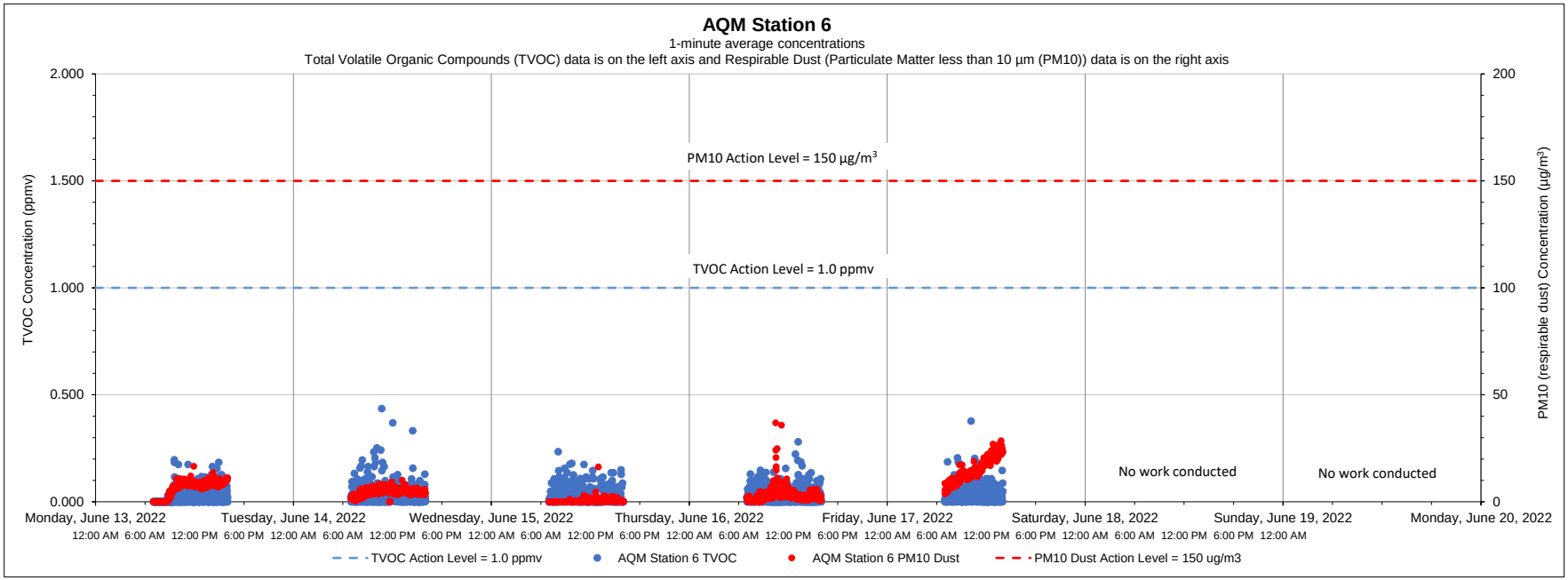


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.44	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.27	µg/m³
PM10 maximum concentration	36.88	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

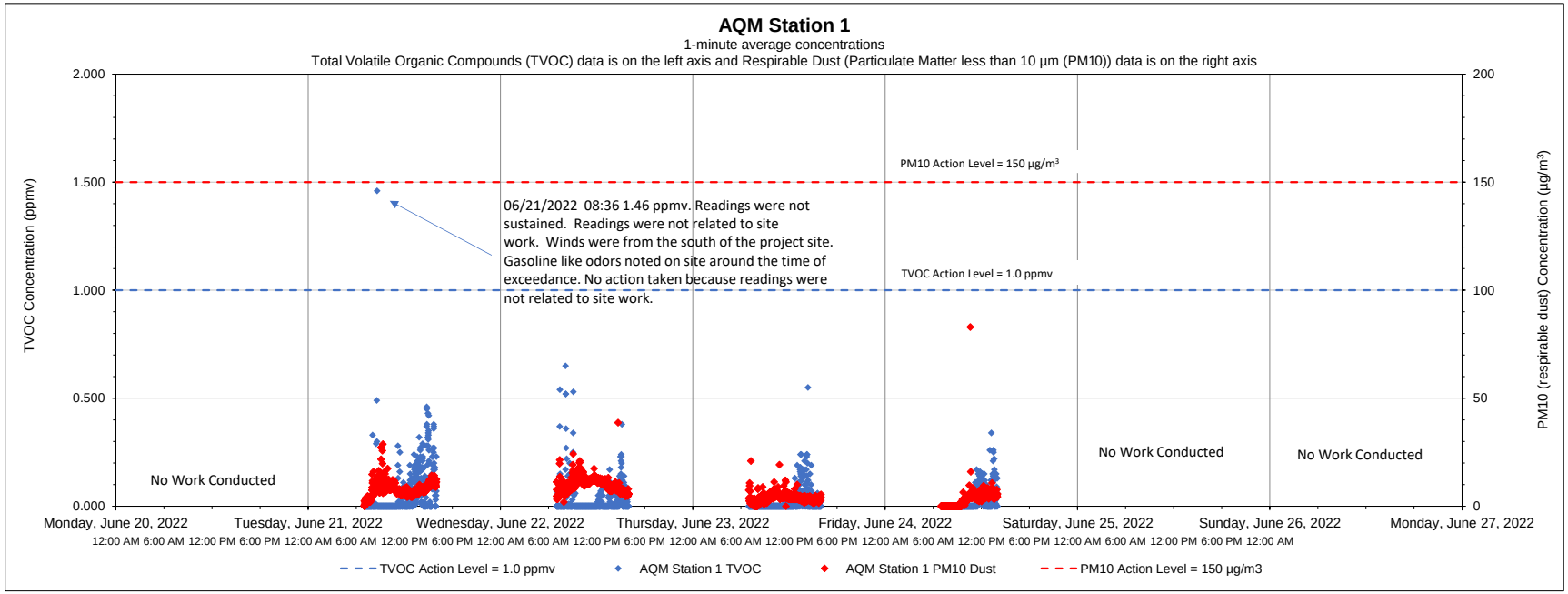
GZA Job No. 03.0033554.04

06/27/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	1.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.41	µg/m^3
PM10 maximum concentration	82.98	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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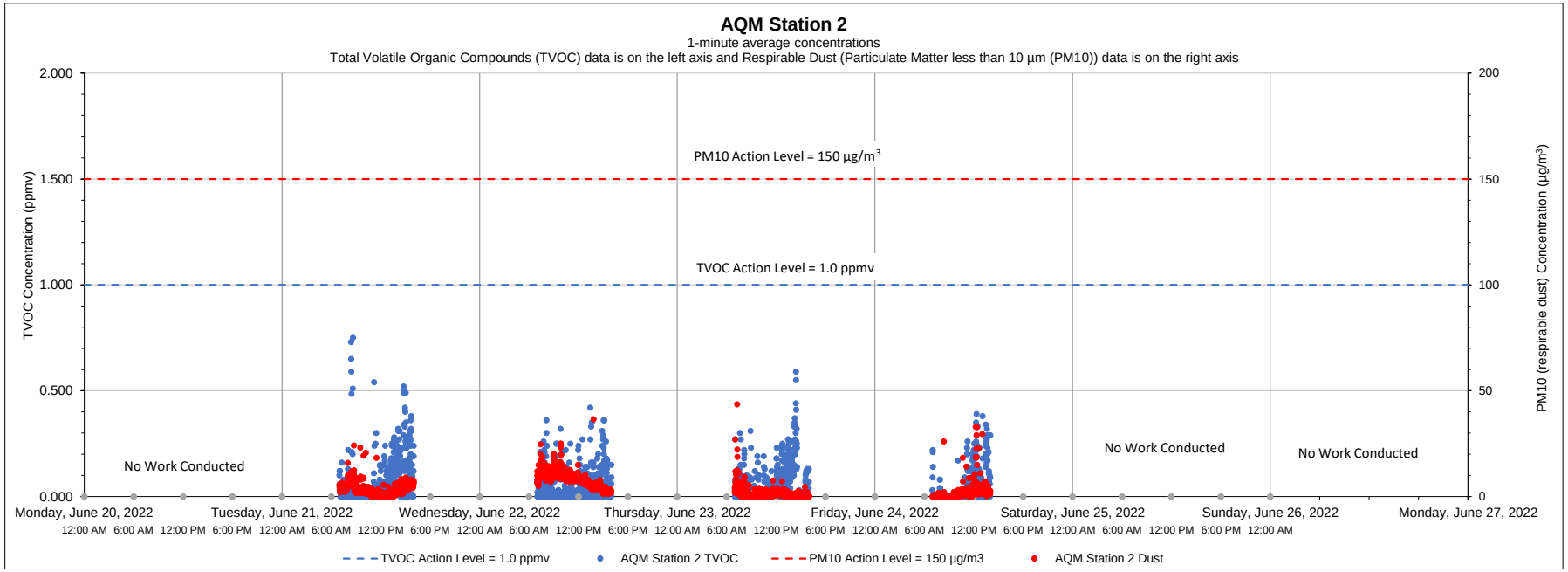

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.75	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.84	µg/m³
PM10 maximum concentration	43.55	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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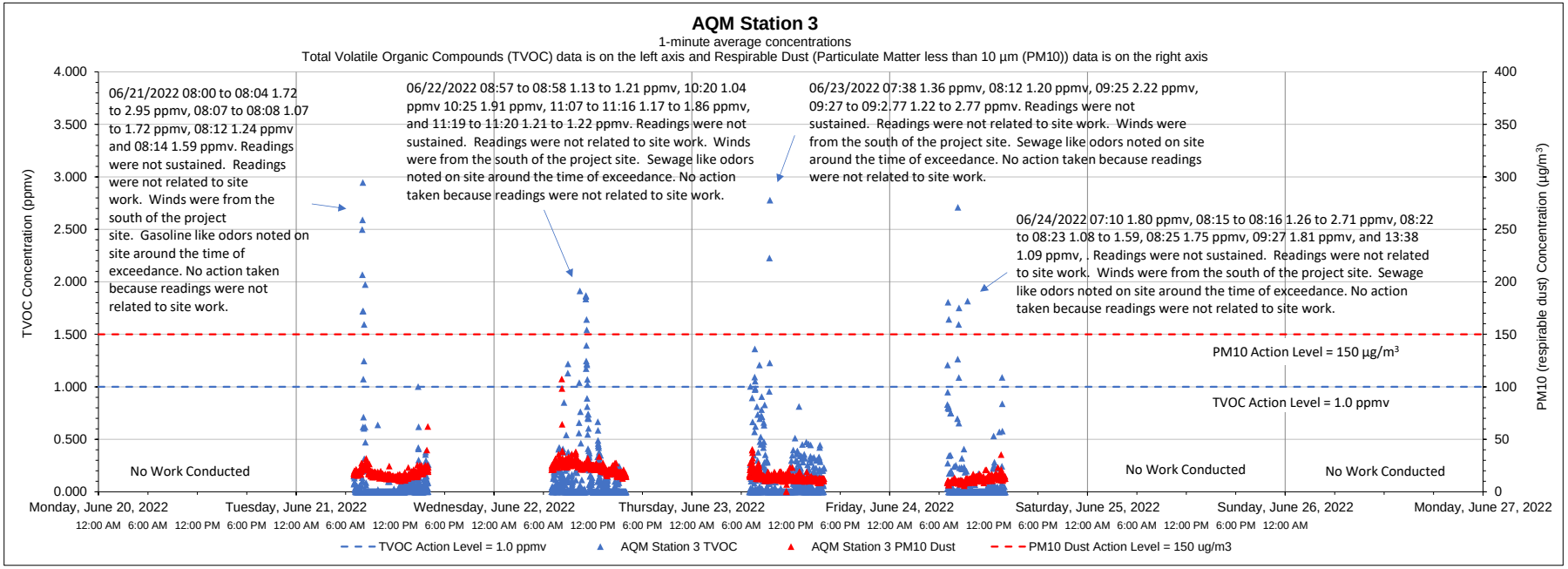

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.10	ppm
TVOCs maximum concentration	2.95	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.84	µg/m^3
PM10 maximum concentration	107.48	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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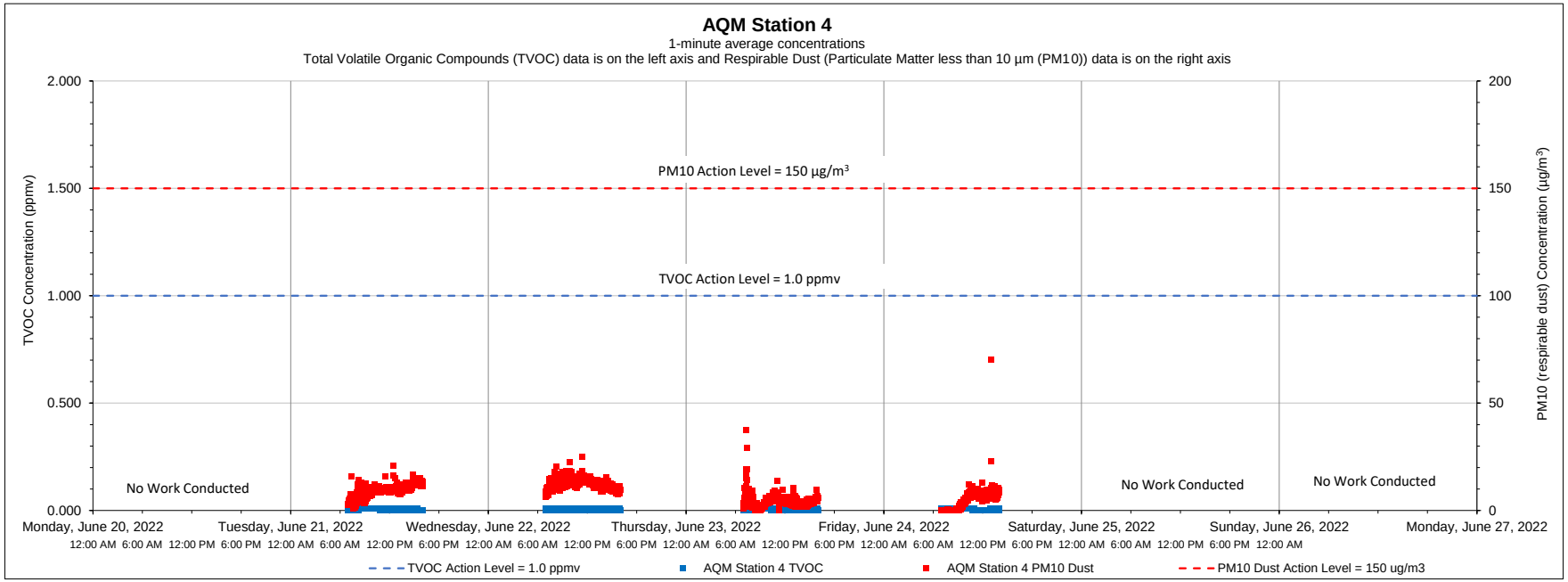

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.02	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.79	µg/m³
PM10 maximum concentration	70.18	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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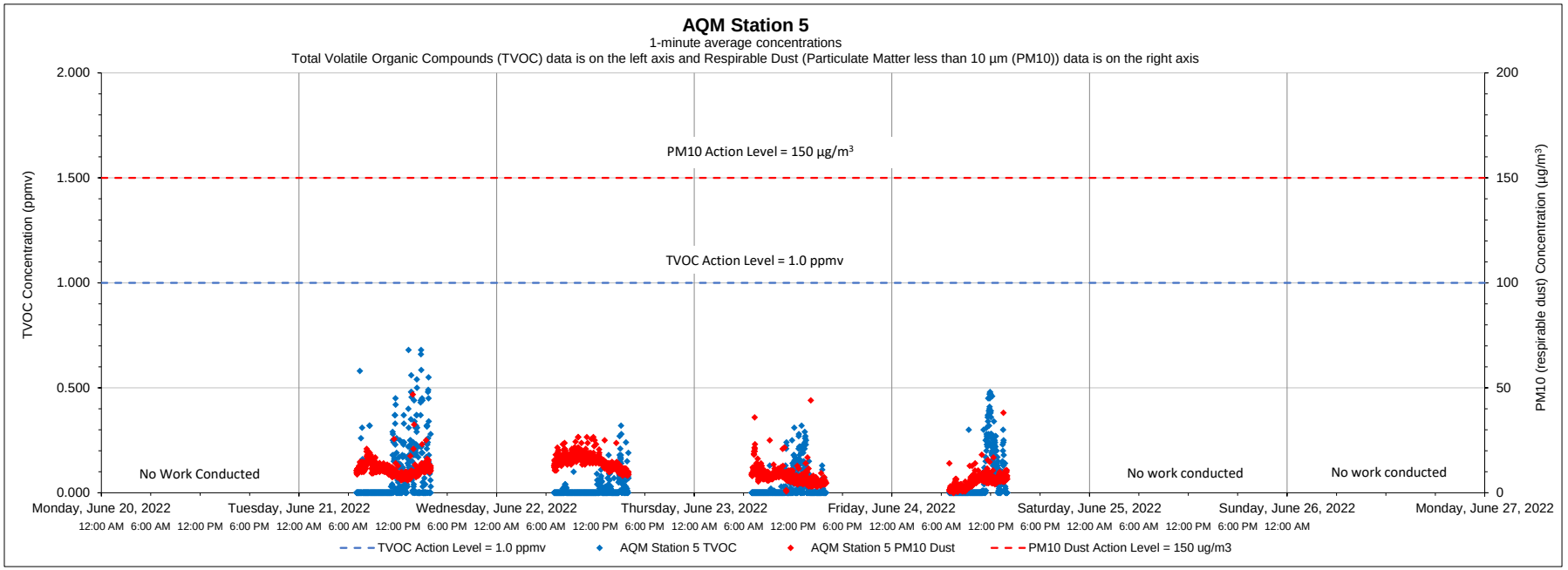

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.68	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.03	µg/m³
PM10 maximum concentration	46.85	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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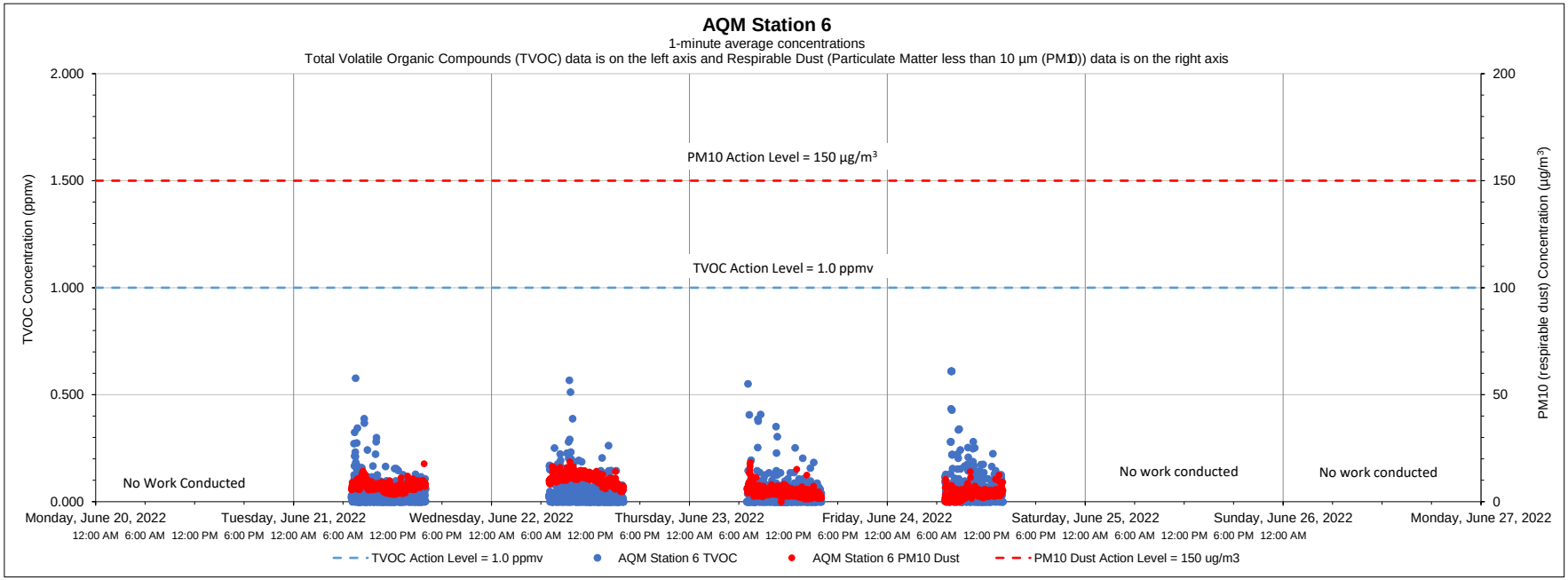

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.61	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.56	µg/m³
PM10 maximum concentration	18.65	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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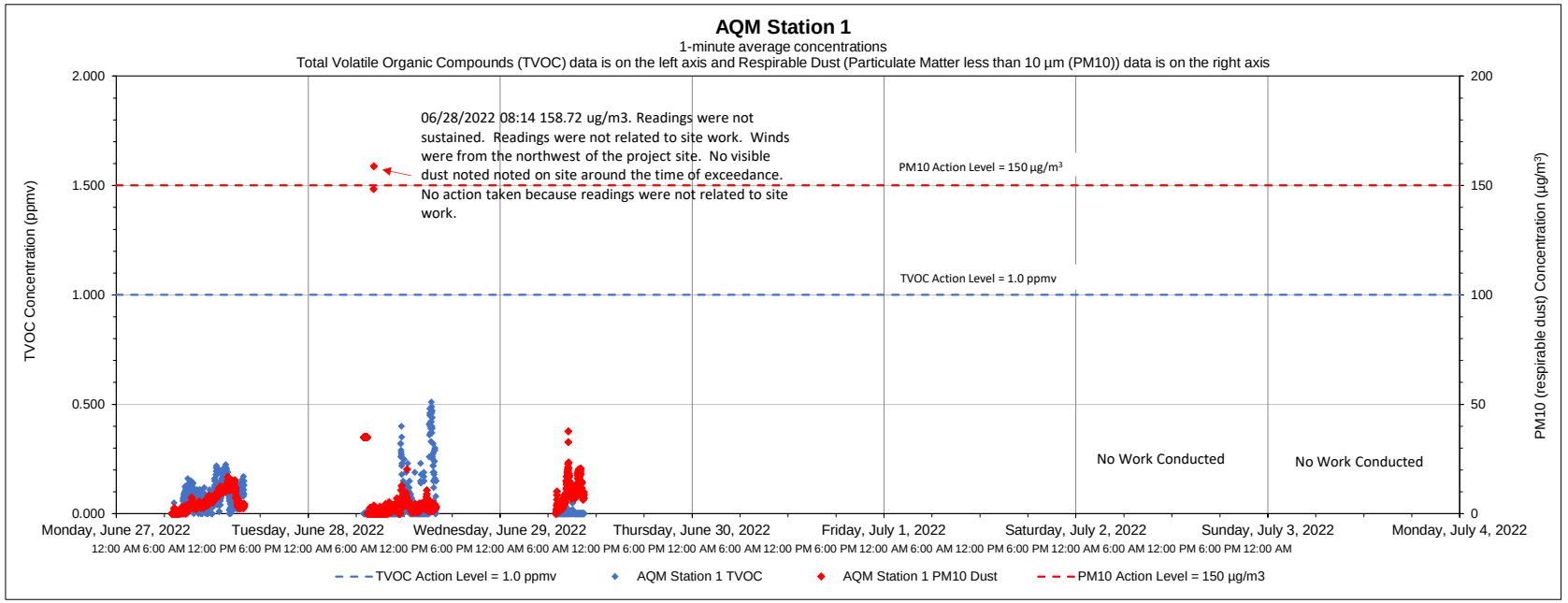

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.51	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.80	µg/m³
PM10 maximum concentration	158.73	µg/m³
PM10 action level	150	µg/m³

Notes:

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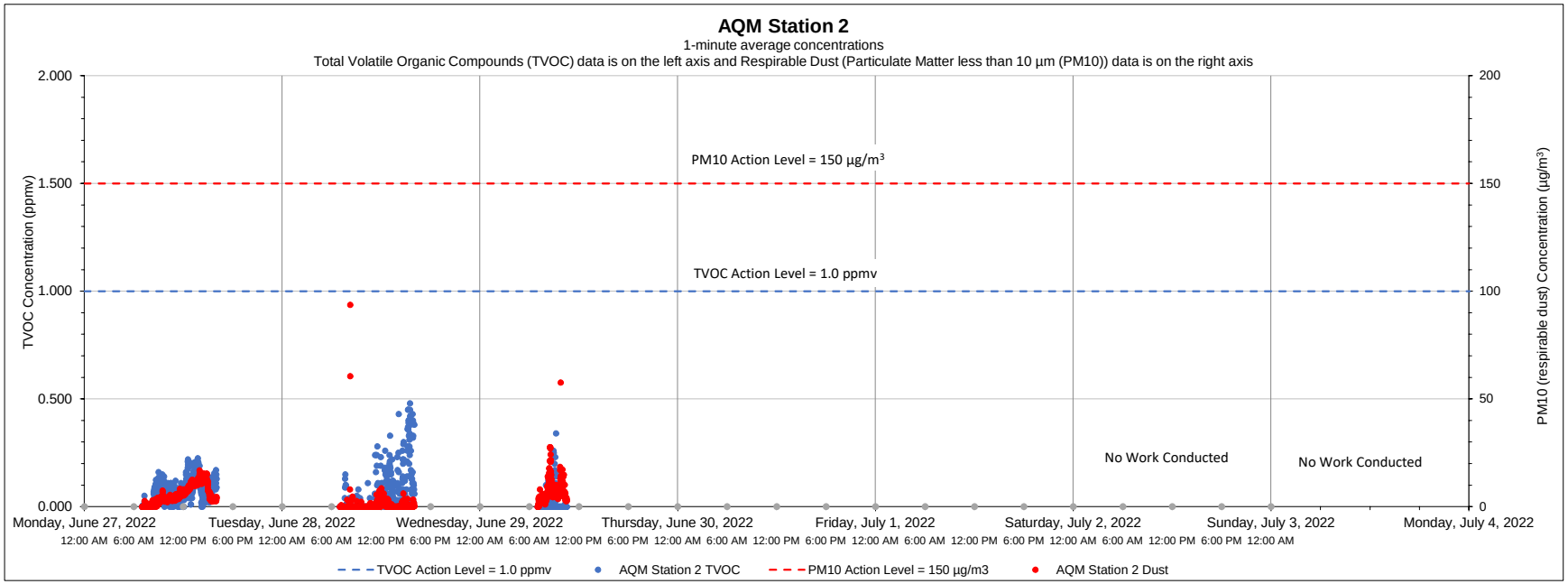

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.88	µg/m³
PM10 maximum concentration	93.60	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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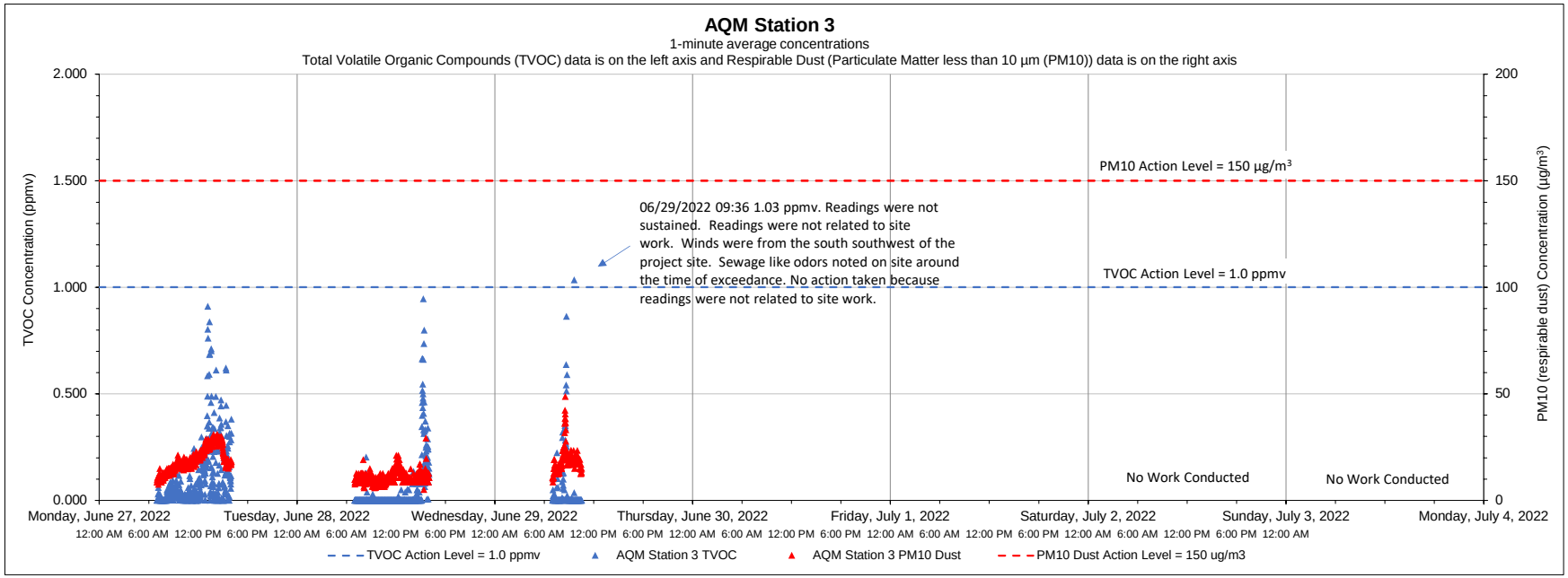

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.03	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.22	µg/m^3
PM10 maximum concentration	48.70	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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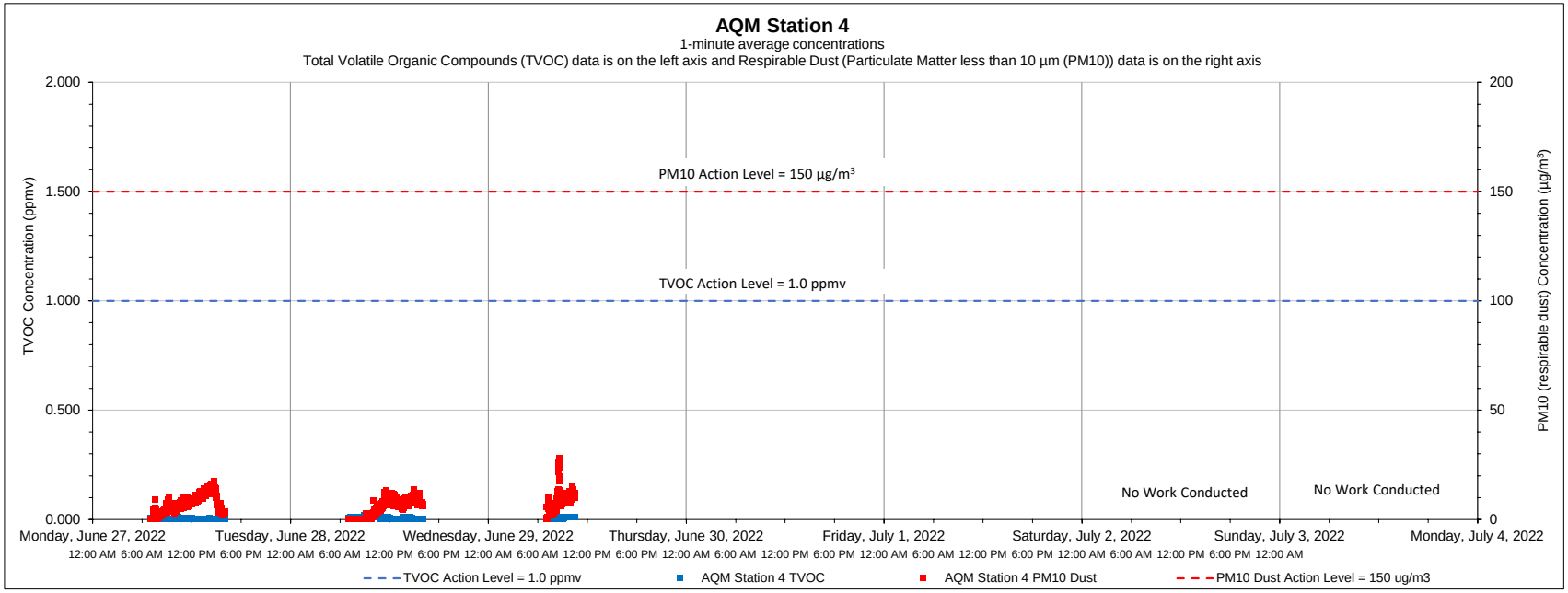

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.02	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.34	µg/m³
PM10 maximum concentration	27.92	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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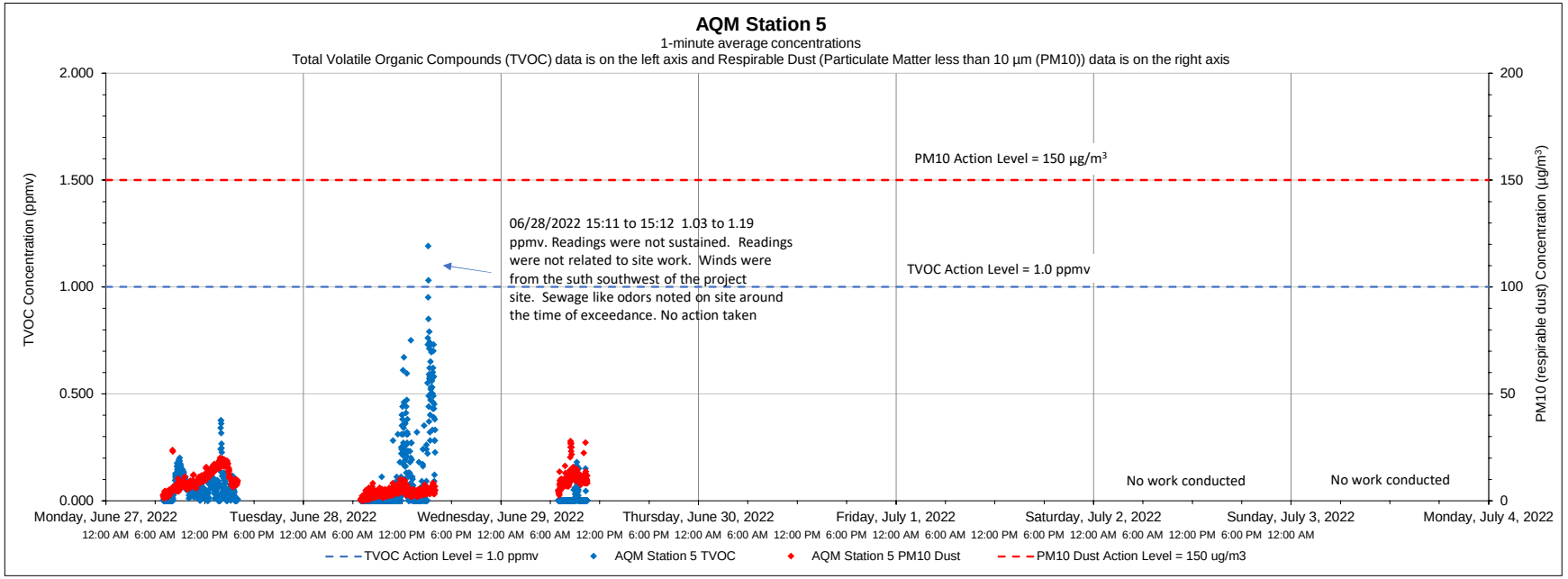

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.37	µg/m^3
PM10 maximum concentration	27.80	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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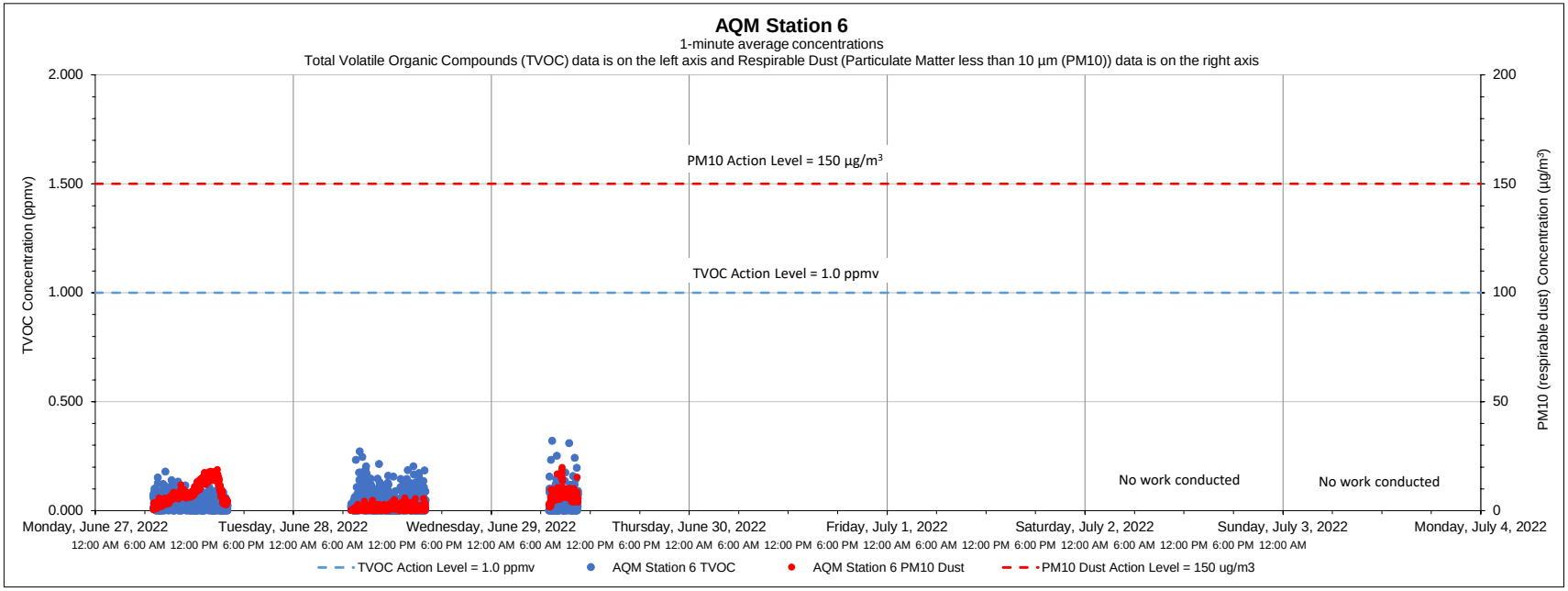

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.03	µg/m³
PM10 maximum concentration	19.65	µg/m³
PM10 action level	150	µg/m³

Notes:

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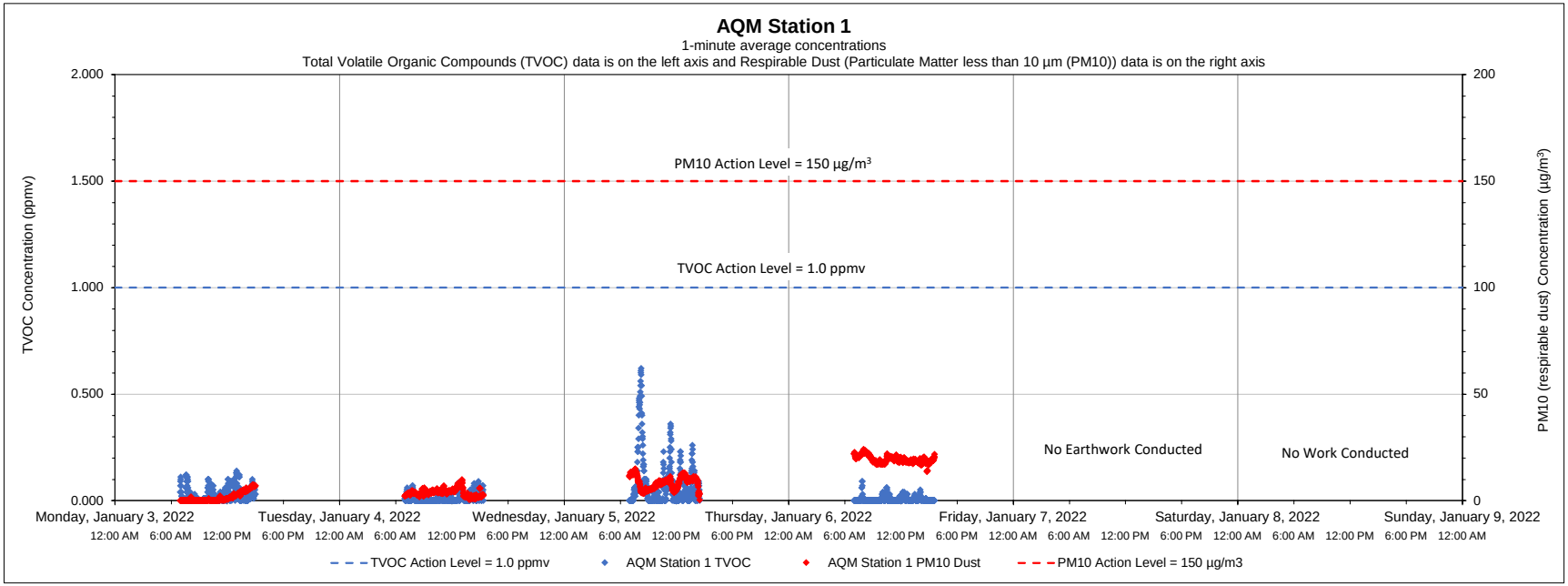

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.62	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.36	µg/m³
PM10 maximum concentration	23.99	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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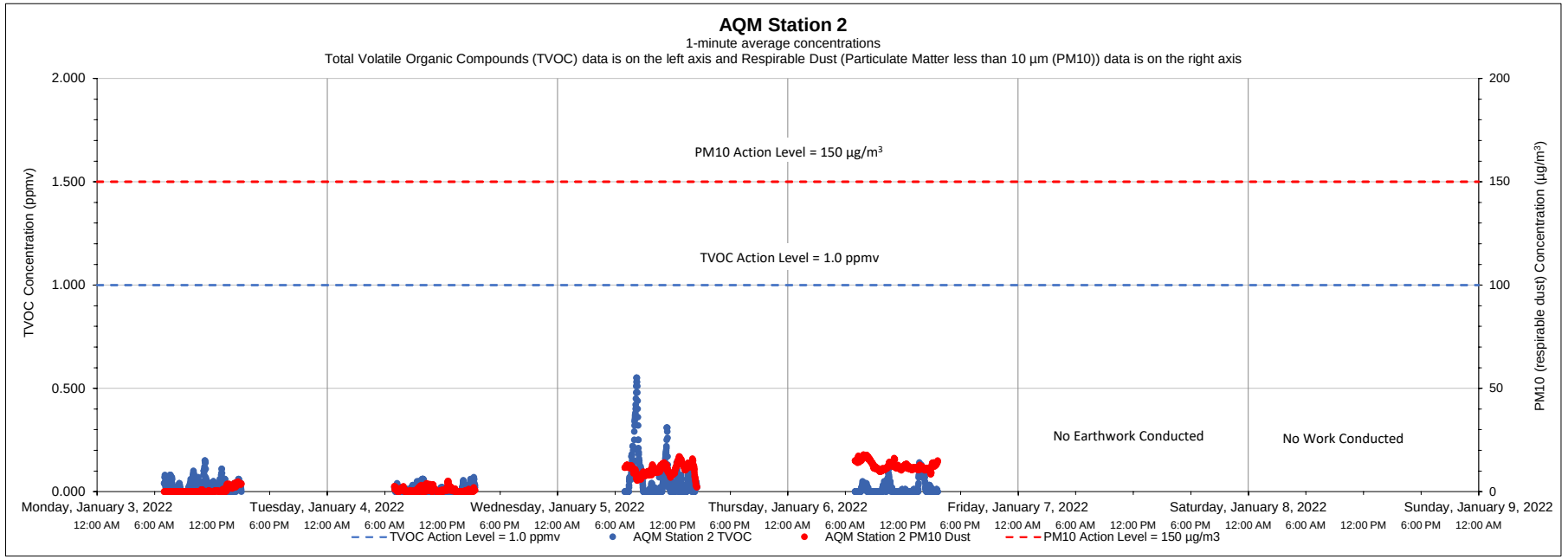

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.55	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.09	µg/m³
PM10 maximum concentration	17.76	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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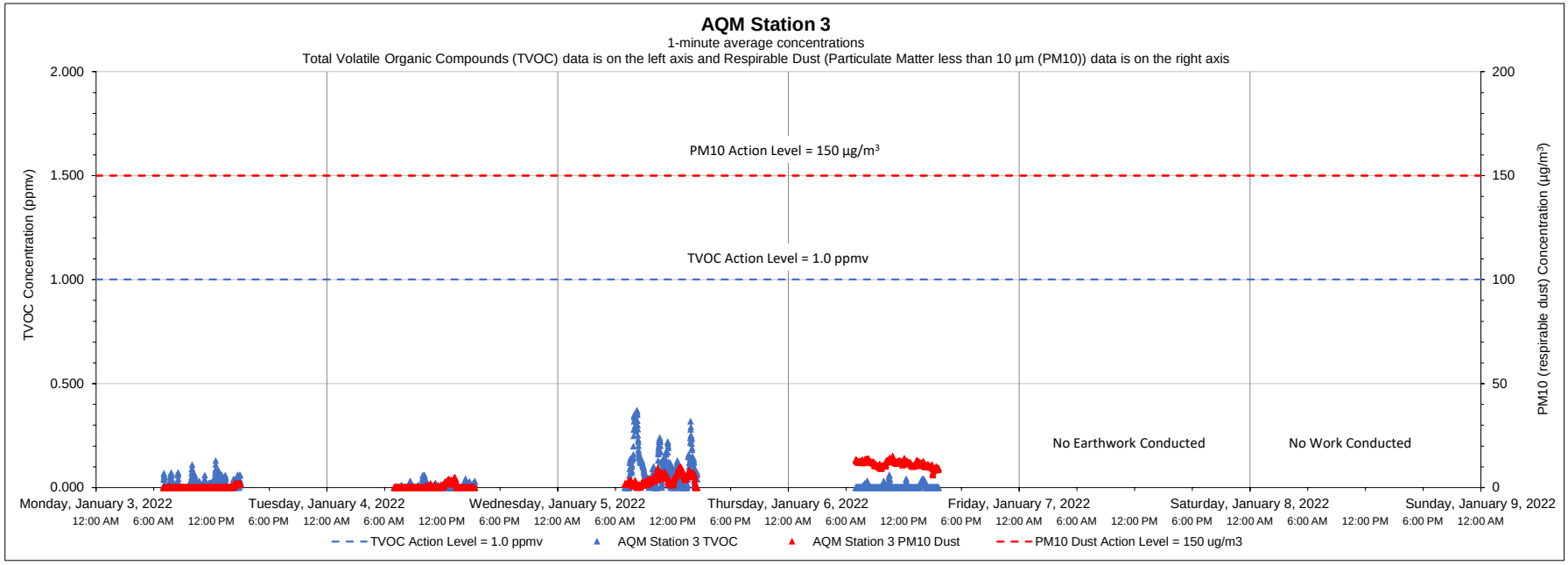

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.37	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.15	µg/m^3
PM10 maximum concentration	15.17	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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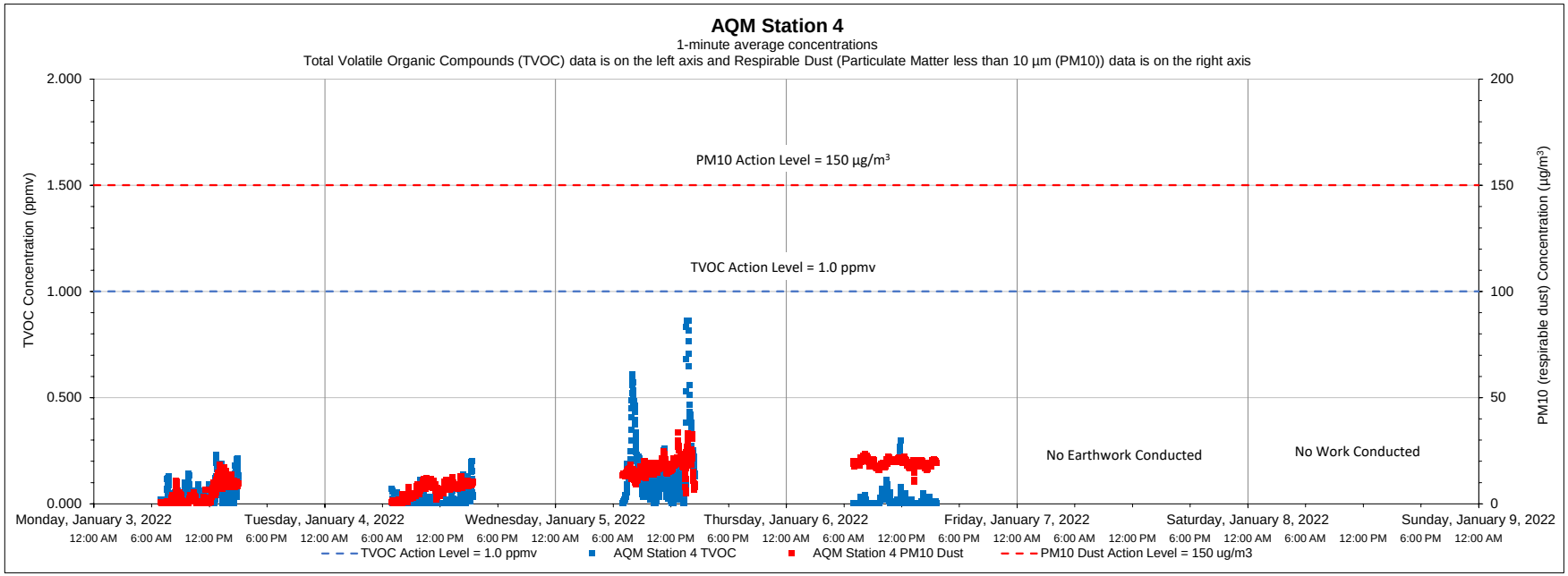

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.86	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.59	µg/m^3
PM10 maximum concentration	33.53	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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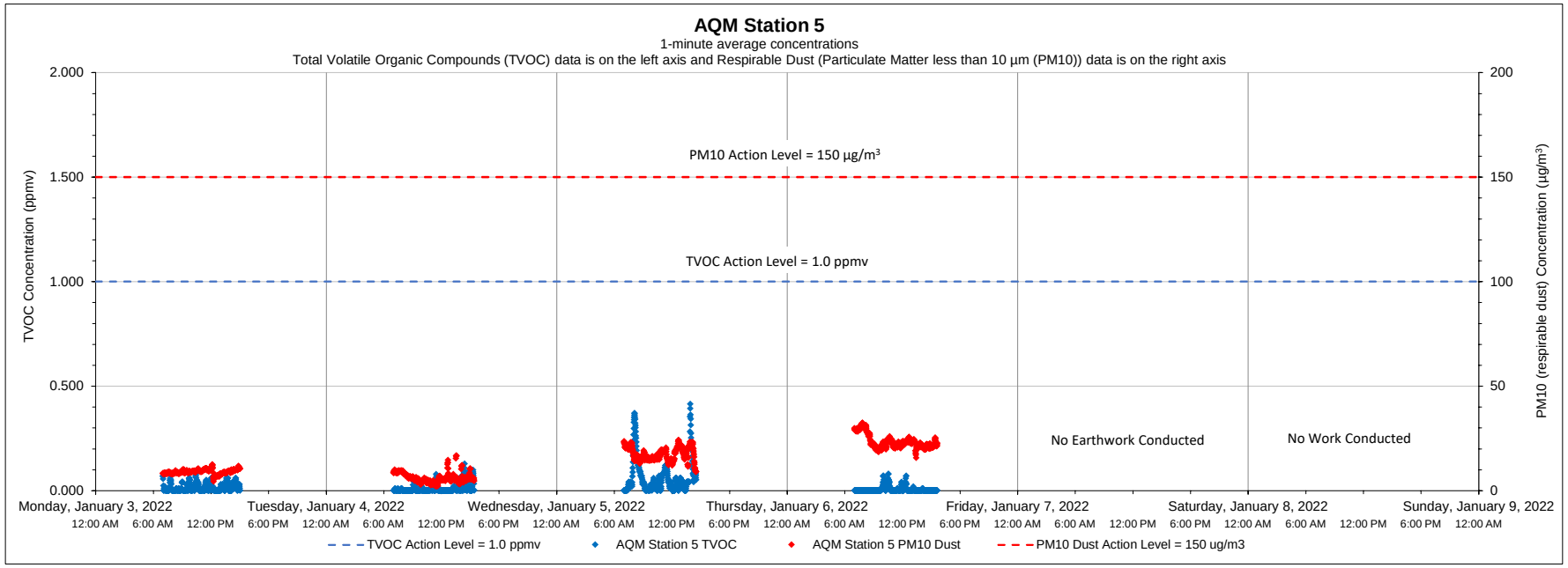


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.41	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.89	µg/m^3
PM10 maximum concentration	32.42	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

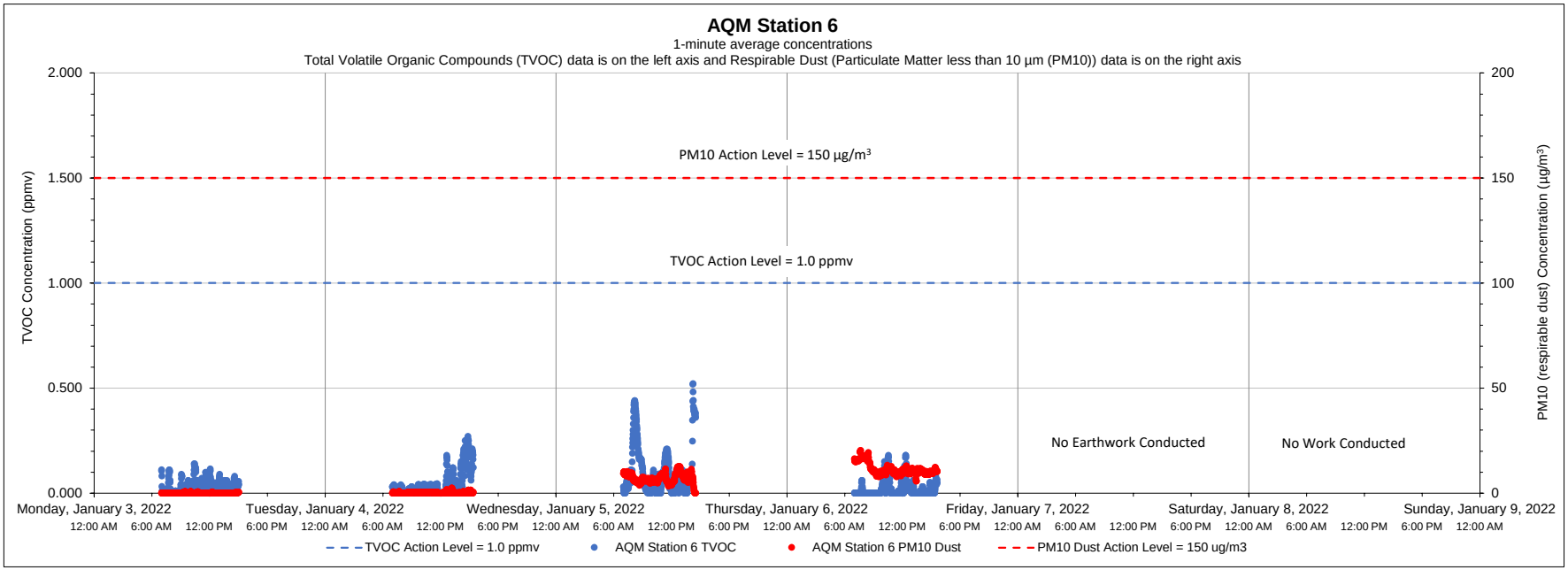
GZA Job No. 03.0033554.04

Liquefaction Facility Project -

1/10/2022

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.52	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.68	µg/m^3
PM10 maximum concentration	20.23	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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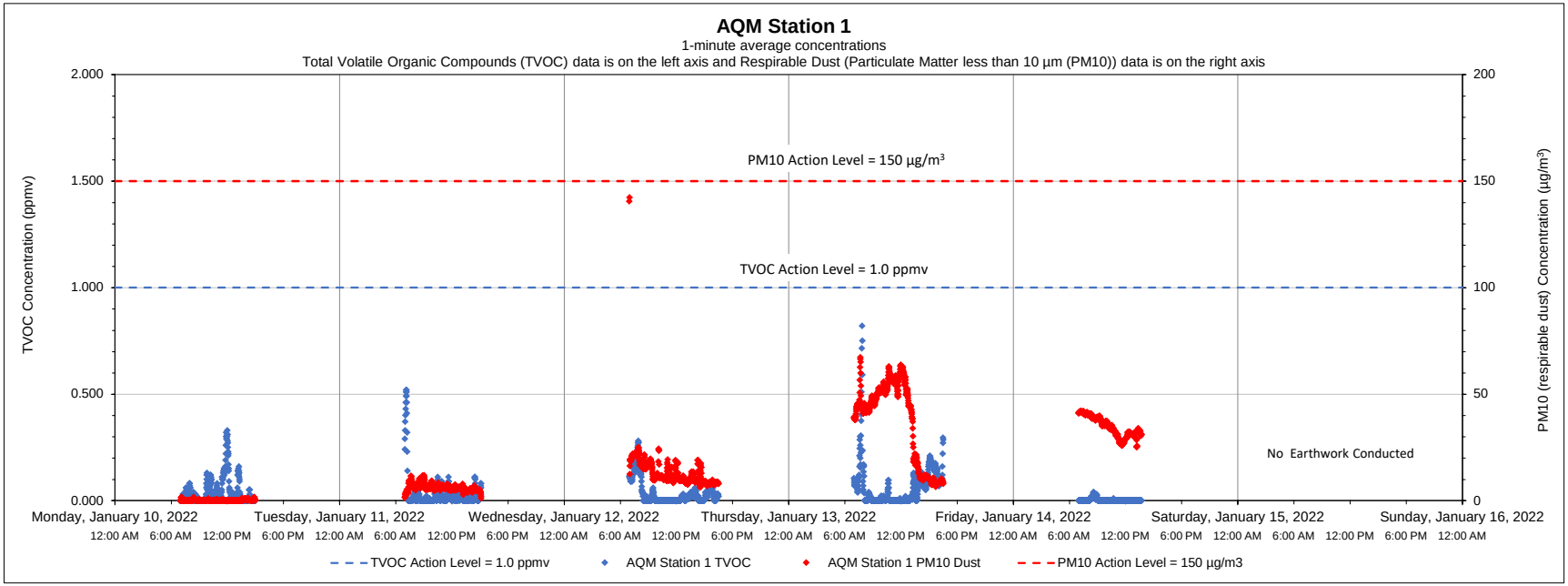
GZA Job No. 03.0033554.04

1/17/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.82	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.15	µg/m³
PM10 maximum concentration	142.34	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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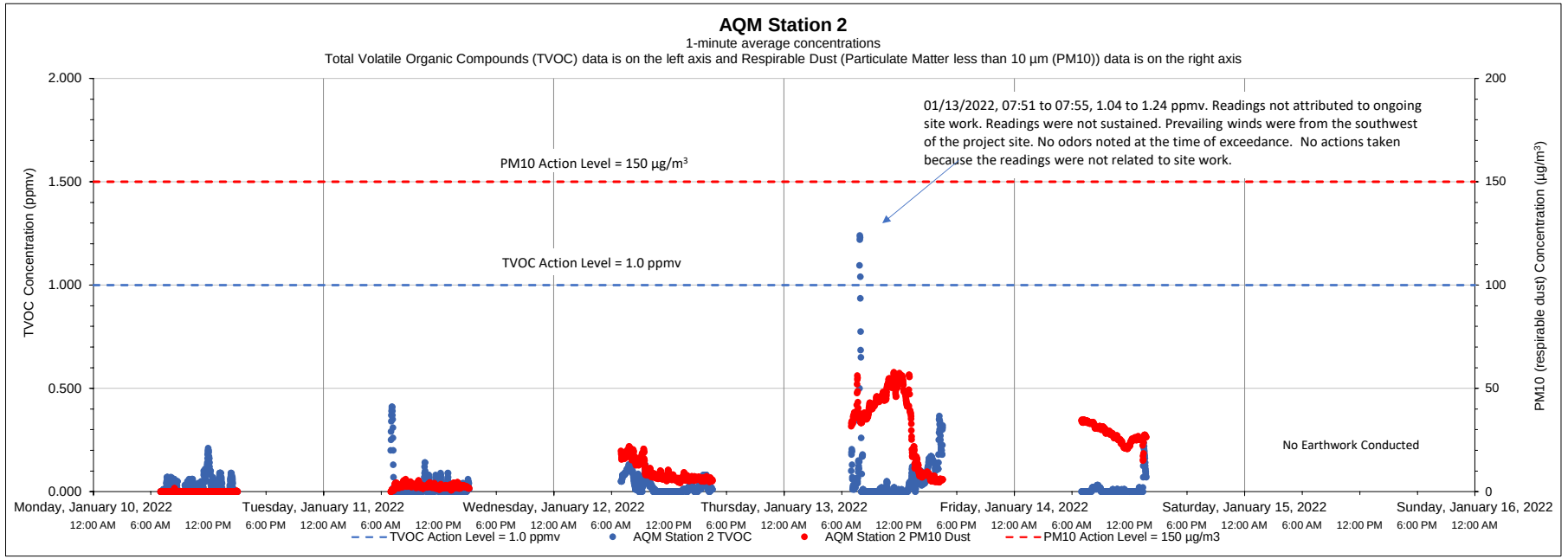
GZA Job No. 03.0033554.04

Liquefaction Facility Project -

1/17/2022

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	1.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.45	µg/m^3
PM10 maximum concentration	57.73	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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Liquefaction Facility Project -

1/17/2022

STRAP Perimeter Air Quality Monitoring (AQM)

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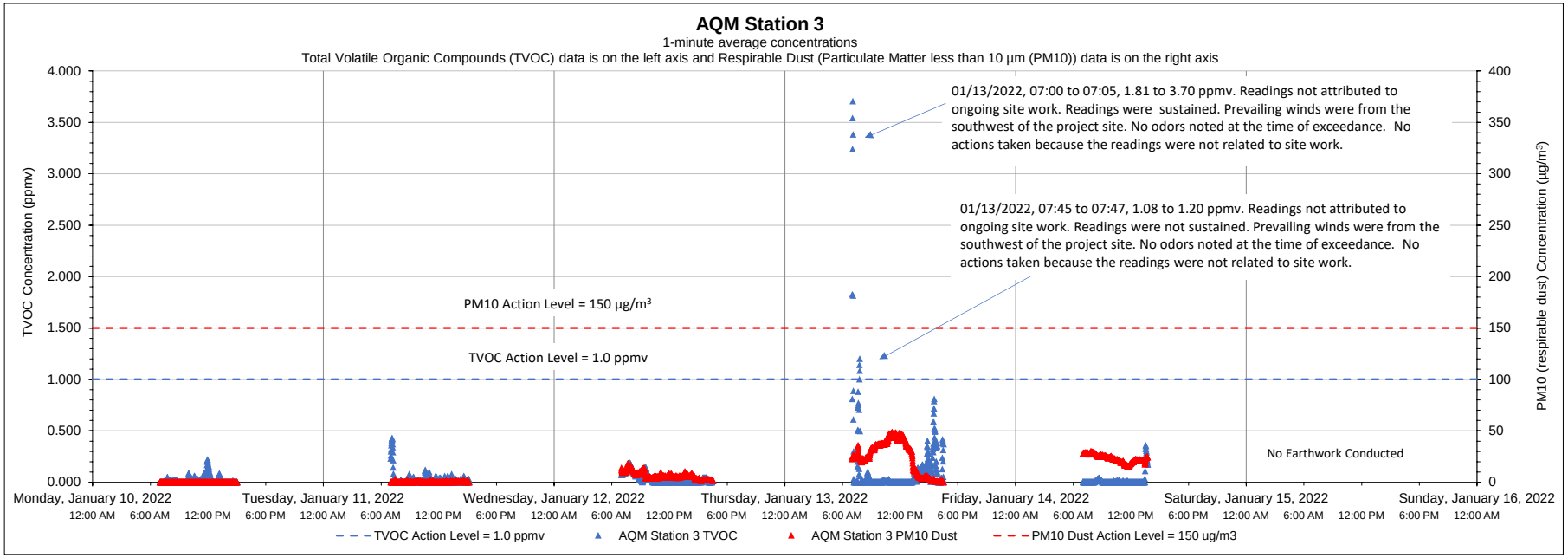

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
1/13/2022	07:00 to 07:05	TVOC	1.81 to 3.70 ppmv	No actions taken because the readings were not related to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	3.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.76	µg/m^3
PM10 maximum concentration	48.55	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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1/17/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

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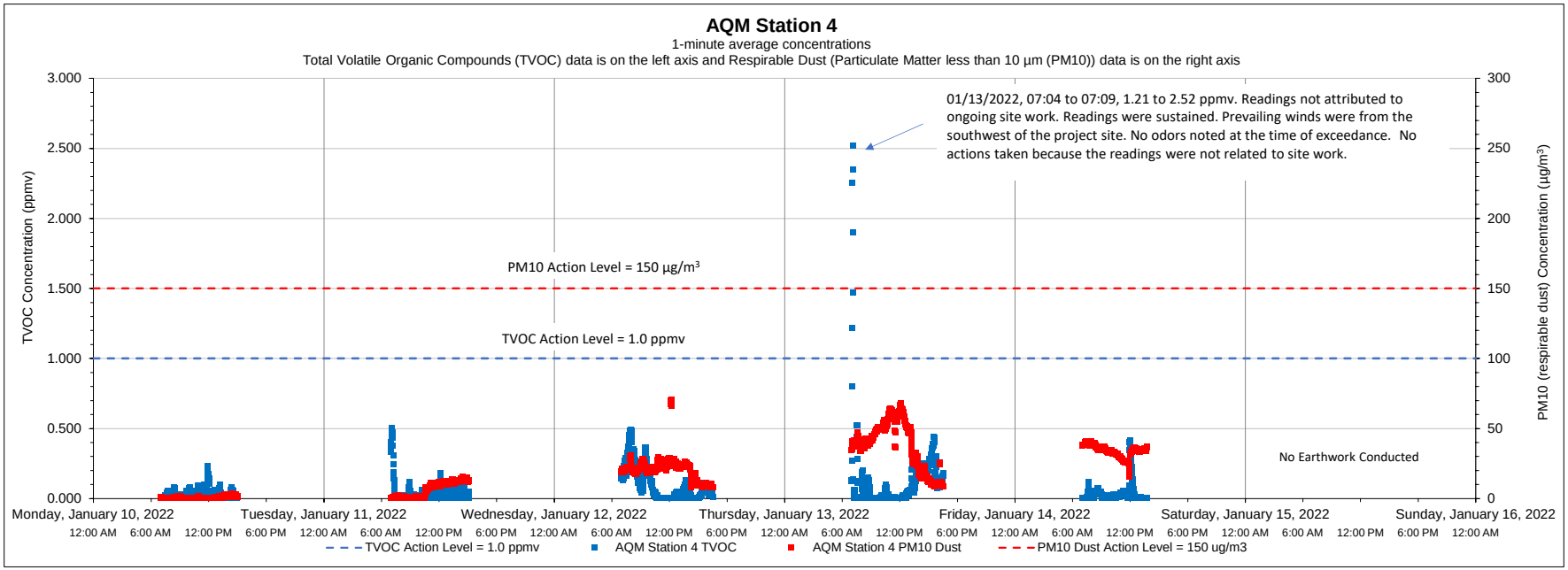

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
1/13/2022	07:04 to 07:09	TVOC	1.21 to 2.52 ppmv	No actions taken because the readings were not related to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	2.52	ppm
TVOCs action level	1	ppm
PM10 average concentration	19.84	µg/m³
PM10 maximum concentration	70.36	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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Liquefaction Facility Project -

1/17/2022

STRAP Perimeter Air Quality Monitoring (AQM)

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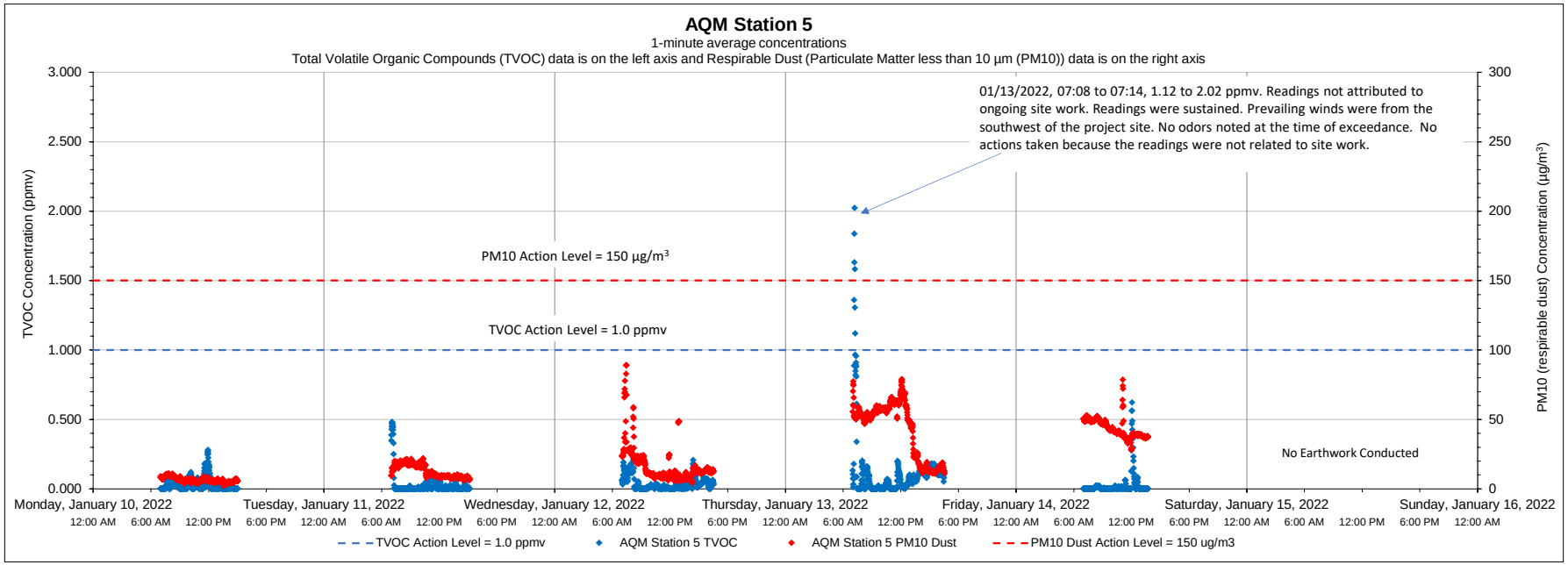

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
1/13/2022	07:08 to 07:14	TVOC	1.12 to 2.02 ppmv	No actions taken because the readings were not related to site work.
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	2.02	ppm
TVOCs action level	1	ppm
PM10 average concentration	23.69	µg/m^3
PM10 maximum concentration	89.04	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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Liquefaction Facility Project -

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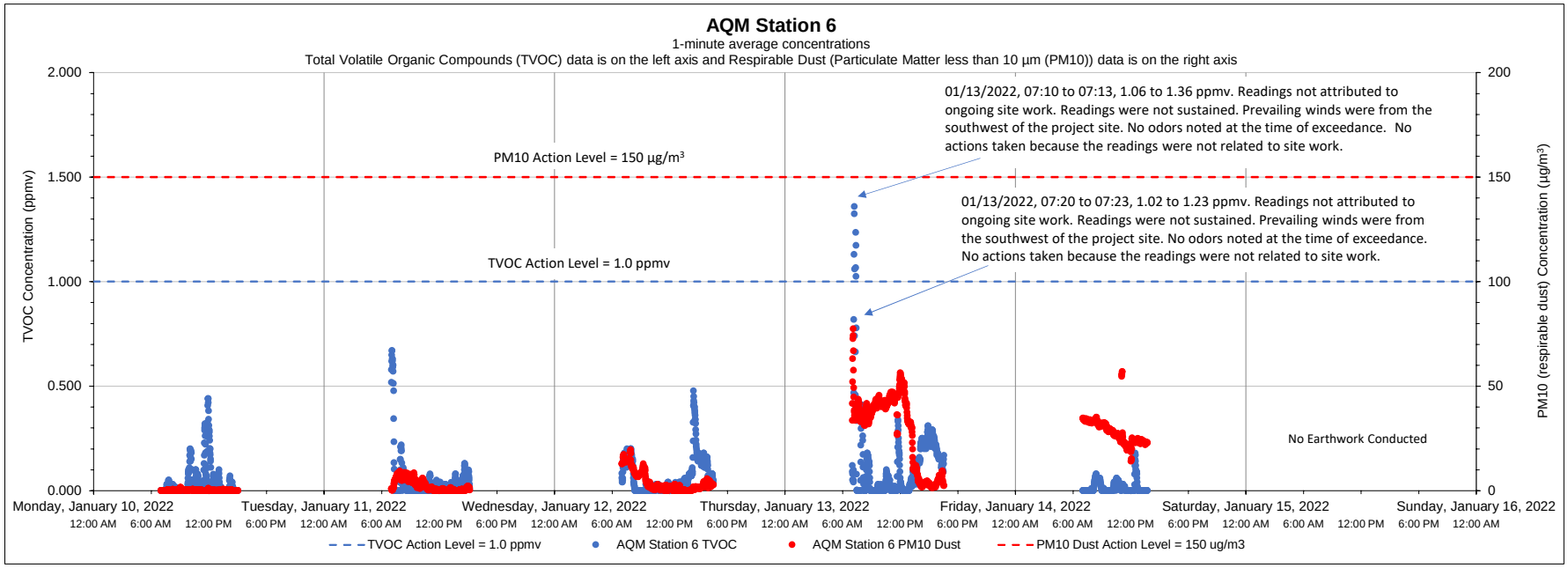

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.36	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.30	µg/m³
PM10 maximum concentration	77.46	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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GZA Job No. 03.0033554.04

1/24/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

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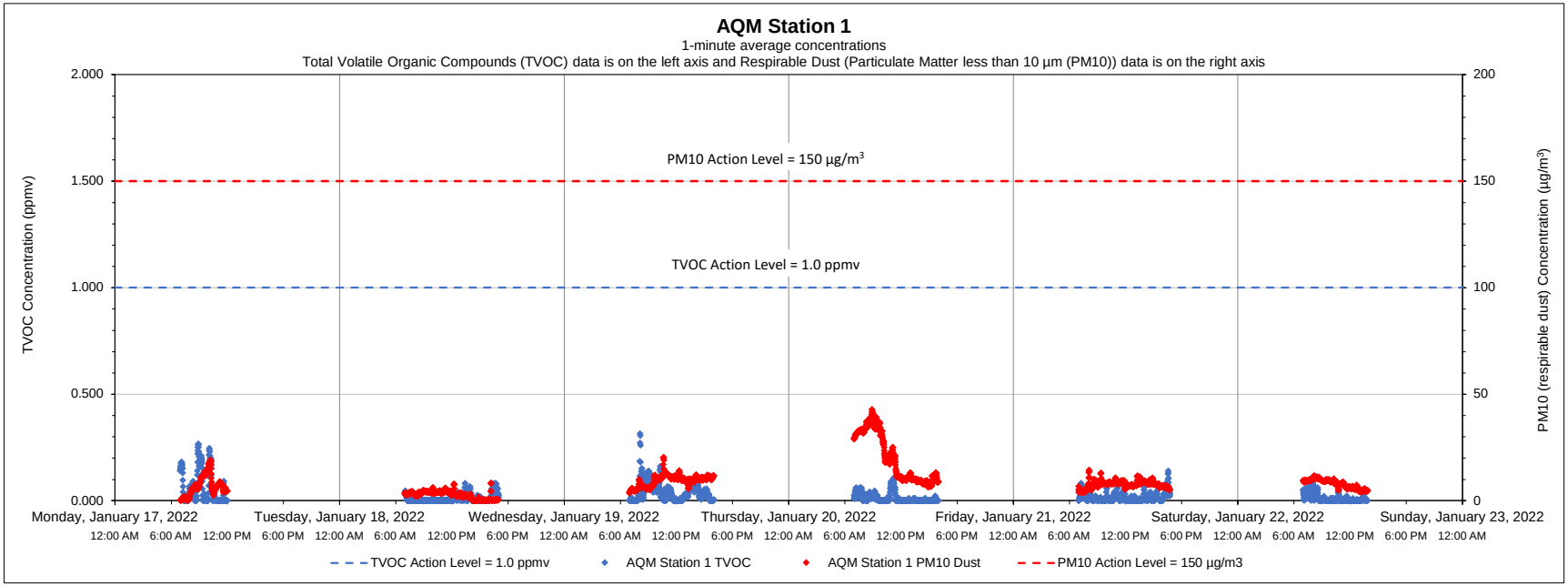

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.02	µg/m³
PM10 maximum concentration	42.76	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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Liquefaction Facility Project -

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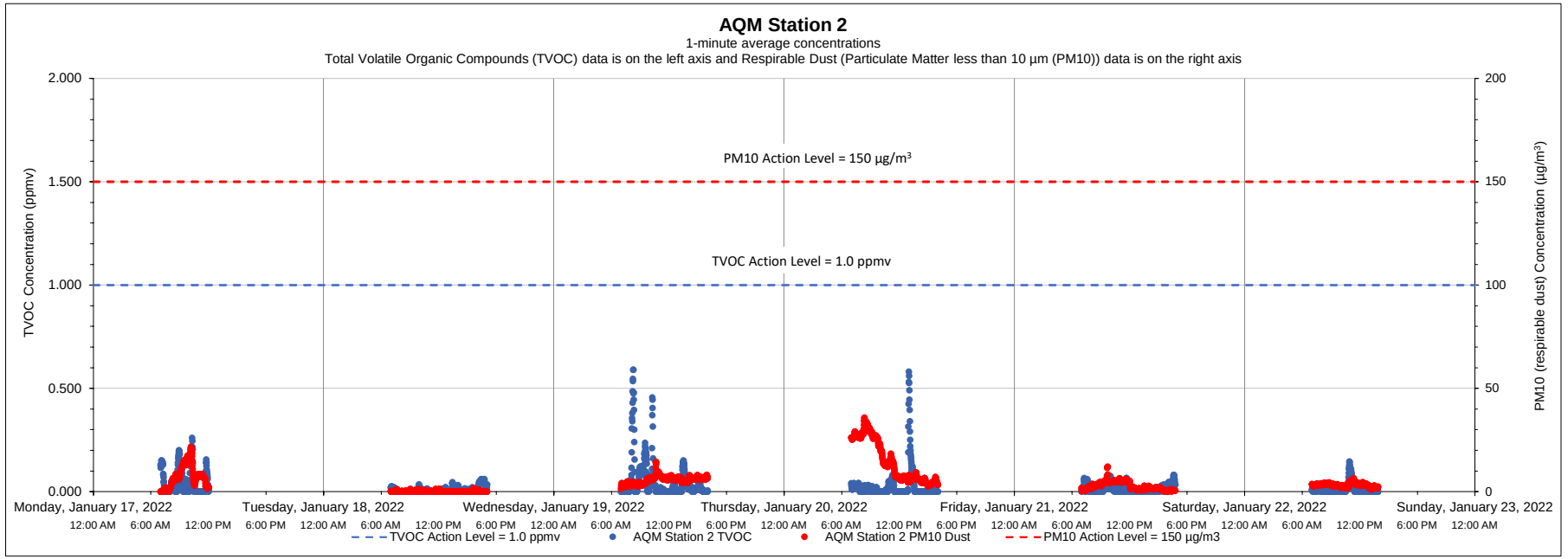

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.59	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.35	µg/m³
PM10 maximum concentration	35.80	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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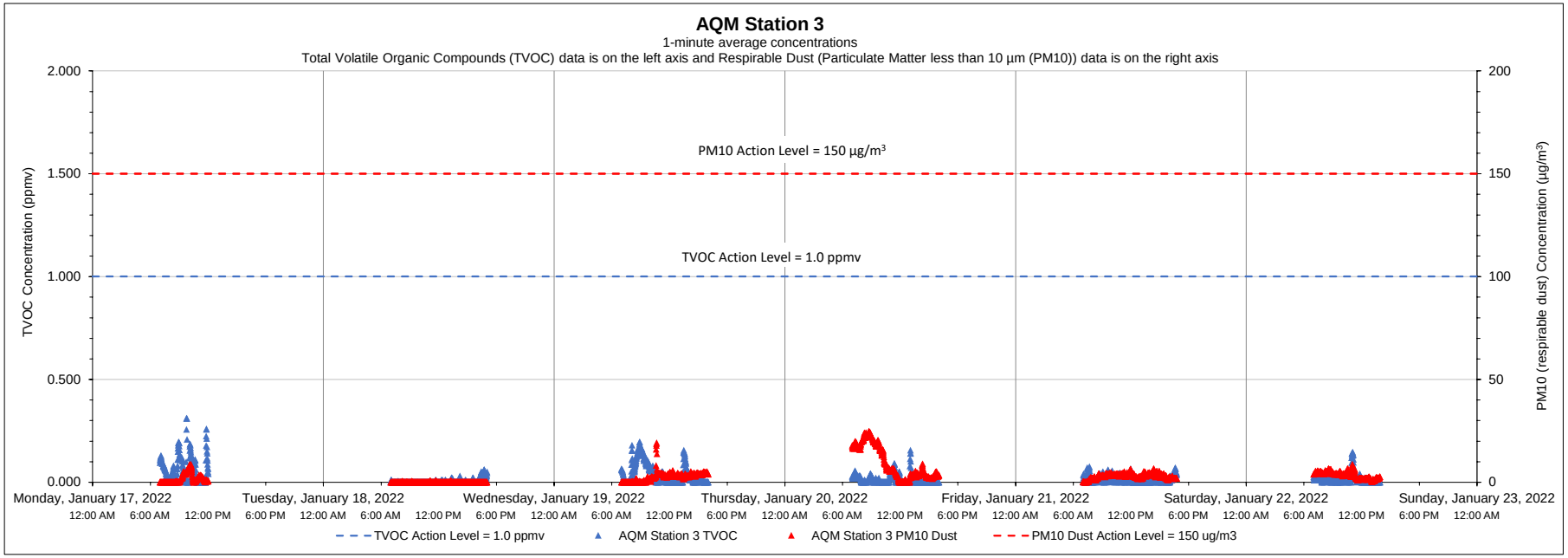

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.40	µg/m³
PM10 maximum concentration	24.73	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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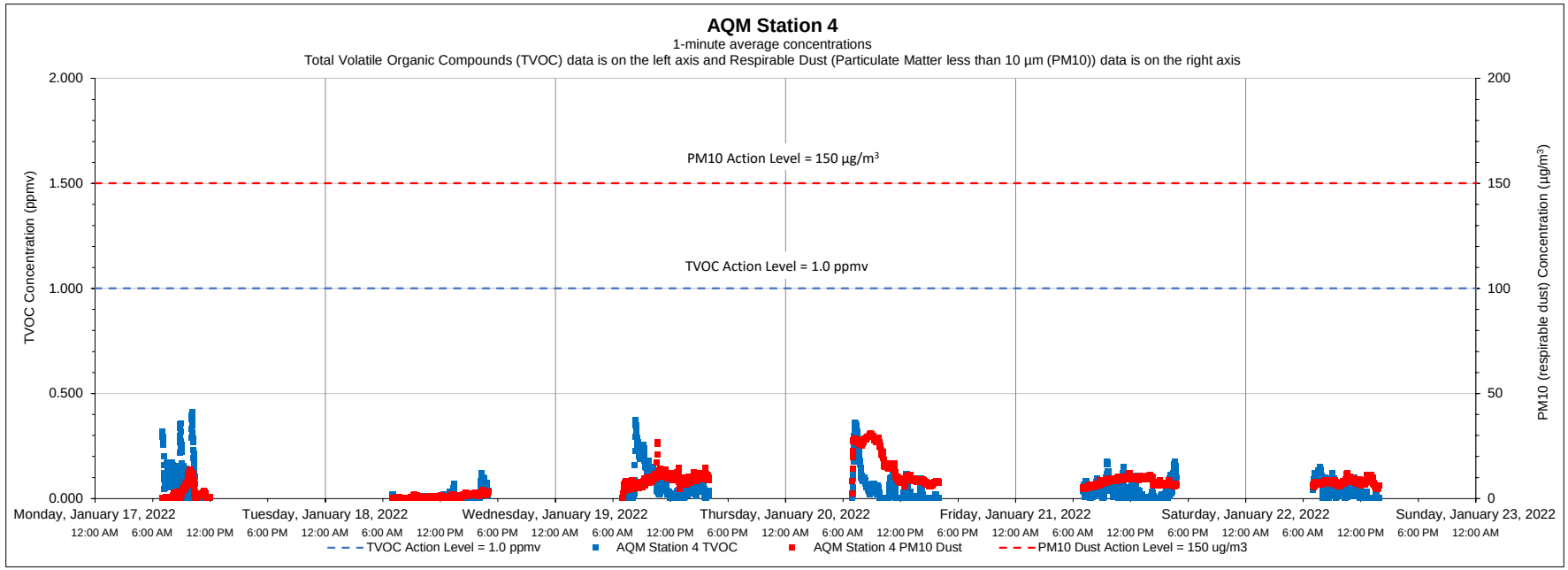

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.41	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.56	µg/m³
PM10 maximum concentration	30.92	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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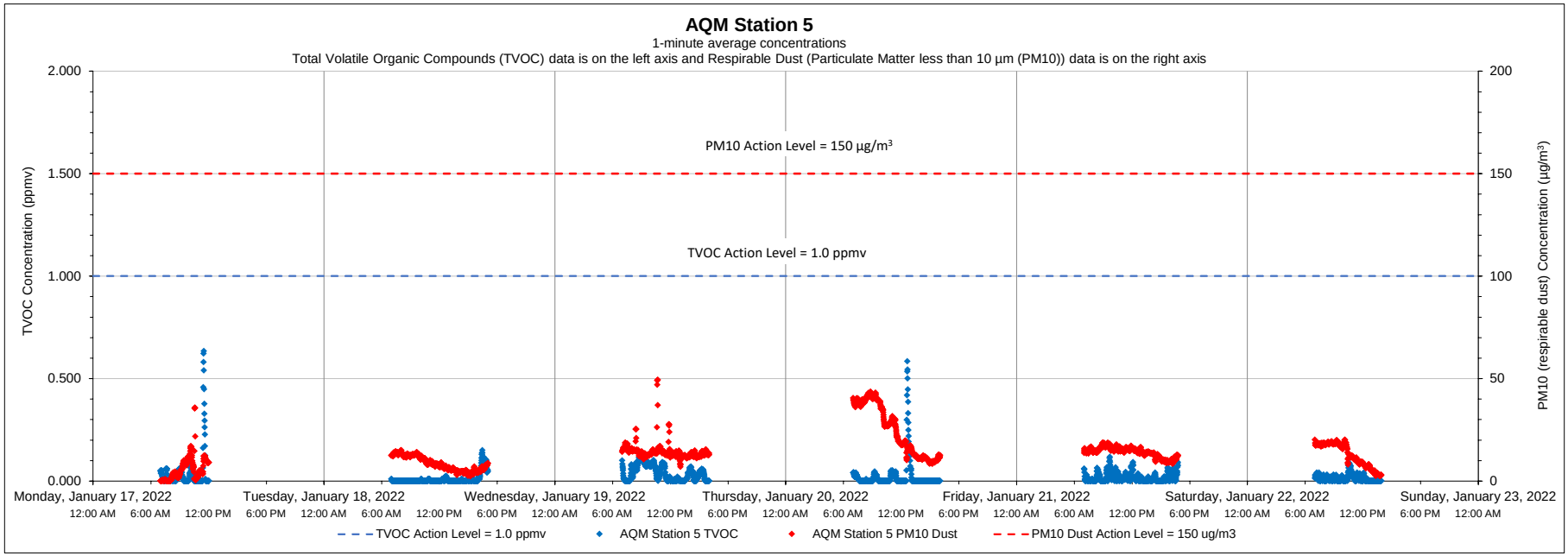

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.63	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.74	µg/m^3
PM10 maximum concentration	49.40	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

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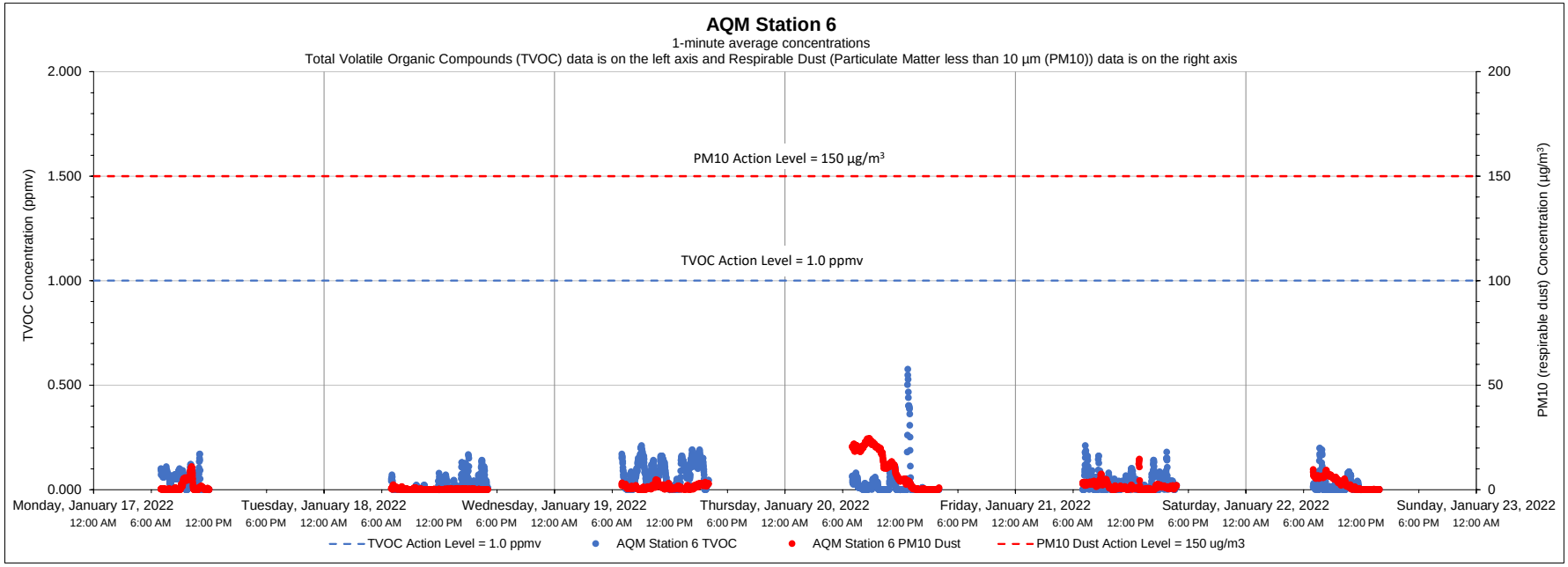

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.58	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.89	µg/m^3
PM10 maximum concentration	24.37	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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1/31/2022

Liquefaction Facility Project -

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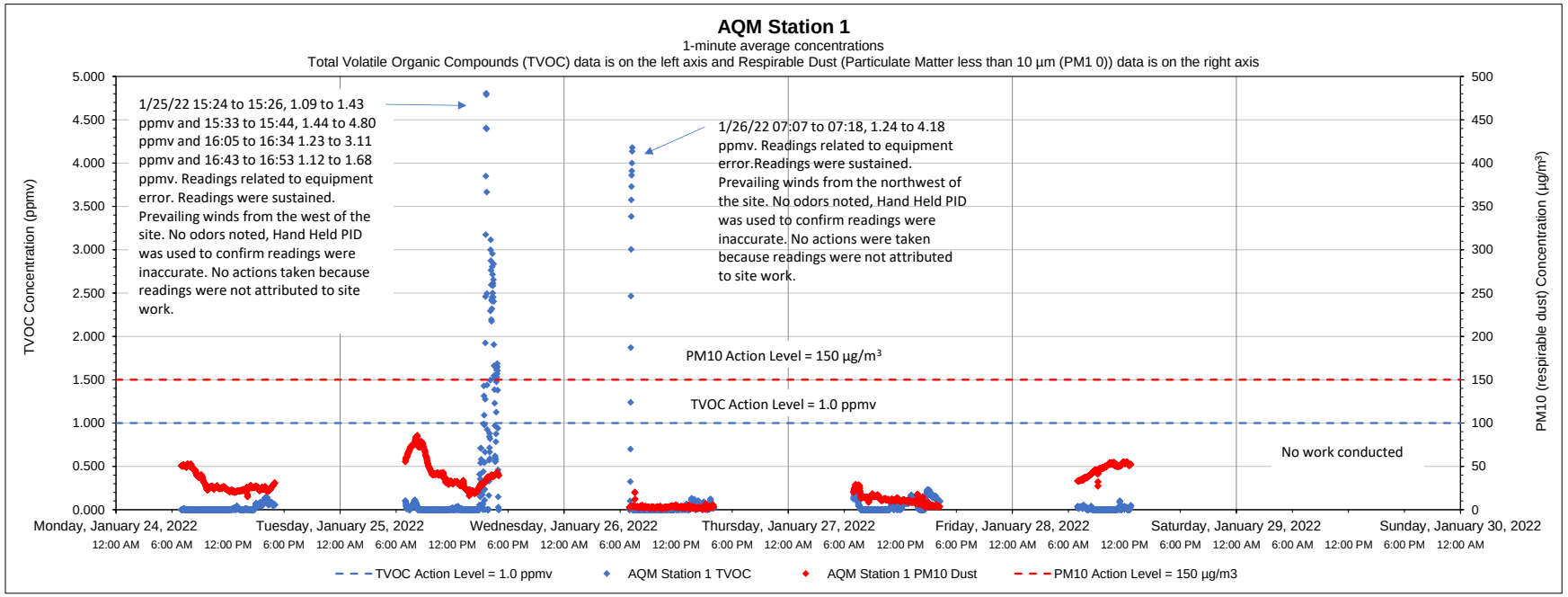

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
1/25/2022	15:33 to 15:44	TVOC	1.44 to 4.80 ppmv	Equipment was recalibrated.
1/25/2022	16:05 to 16:34	TVOC	1.23 to 3.11 ppmv	Equipment was recalibrated.
1/25/2022	16:43 to 16:53	TVOC	1.12 to 1.68 ppmv	Equipment was recalibrated.
1/26/2022	7:07 to 7:18	TVOC	1.24 to 4.18 ppmv	Equipment was recalibrated.

Data Summary Statistics		
TVOCs average concentration	0.10	ppm
TVOCs maximum concentration	4.80	ppm
TVOCs action level	1	ppm
PM10 average concentration	25.41	µg/m^3
PM10 maximum concentration	85.92	µg/m^3
PM10 action level	150	µg/m^3

Equipment Notes
1/25/2022 and 1/26/2022 - Equipment error caused sustained action level exceedances. A handheld PID was utilized to confirm that the station's readings were inaccurate,
and the site was checked for odors. Troubleshooting was performed to resolve error.

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

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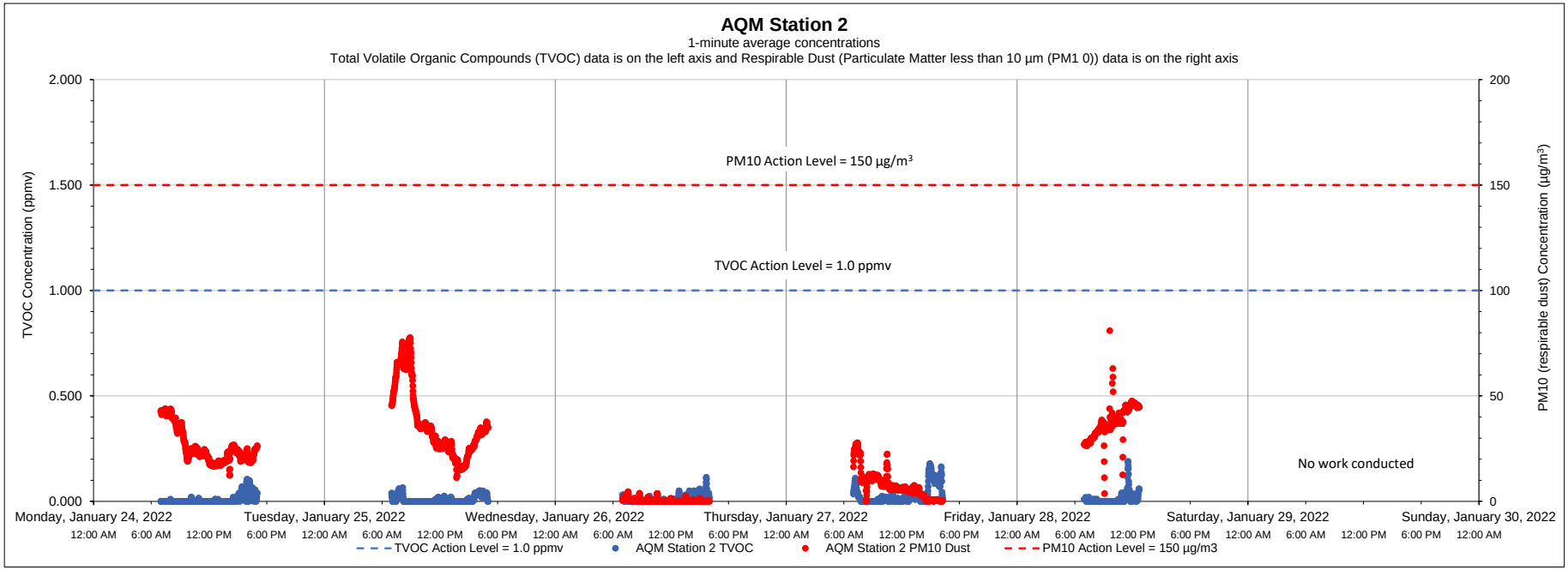

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.63	µg/m^3
PM10 maximum concentration	81.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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Liquefaction Facility Project -

1/31/2022

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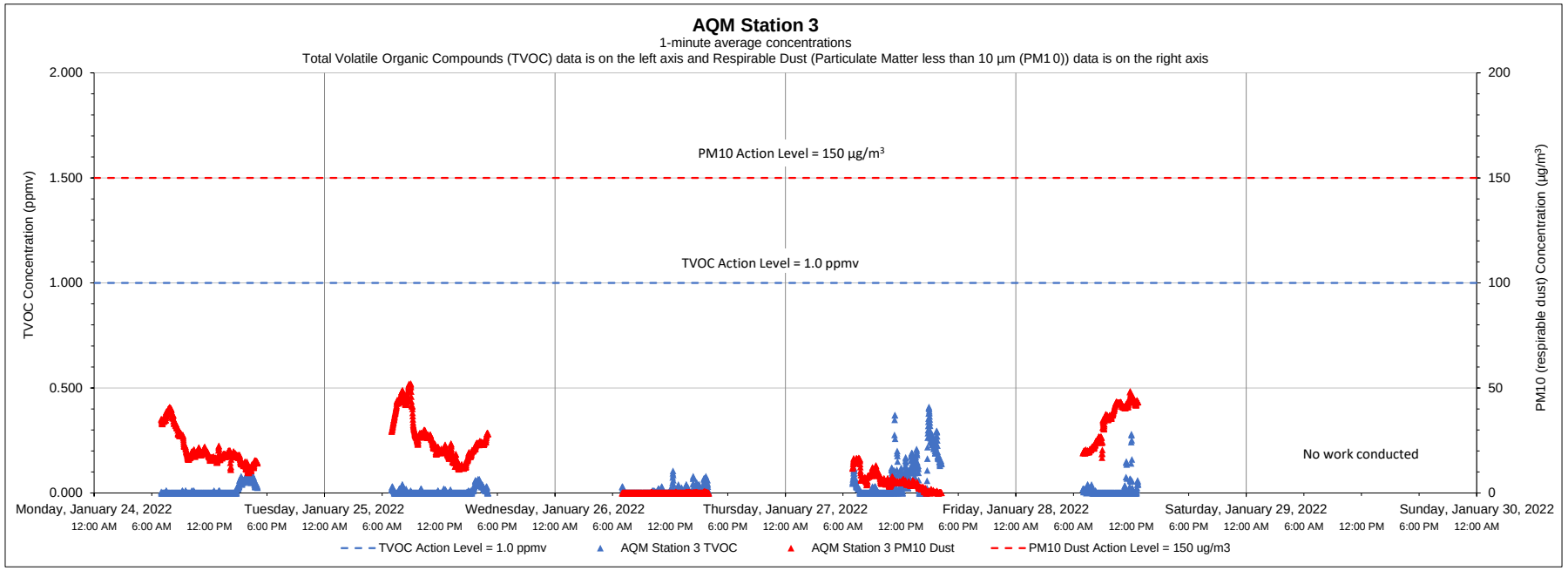


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.41	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.35	µg/m^3
PM10 maximum concentration	52.11	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

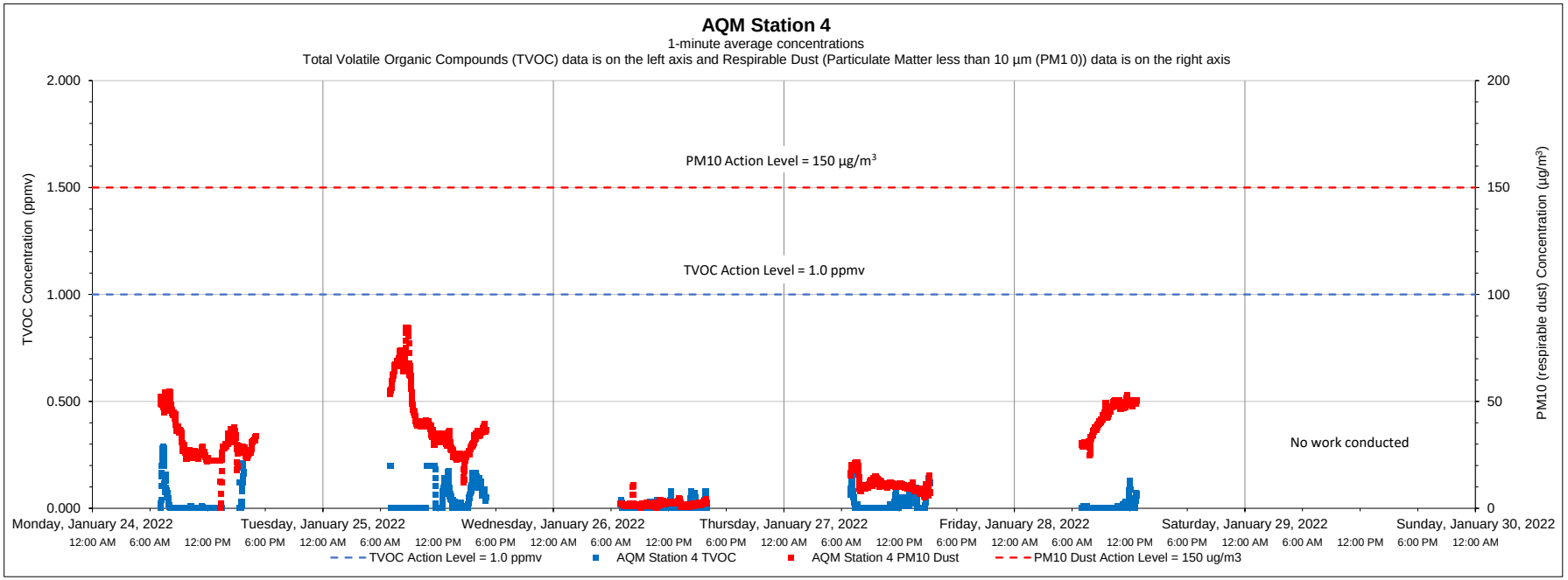
GZA Job No. 03.0033554.04

1/31/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.29	ppm
TVOCs action level	1	ppm
PM10 average concentration	24.87	µg/m³
PM10 maximum concentration	84.65	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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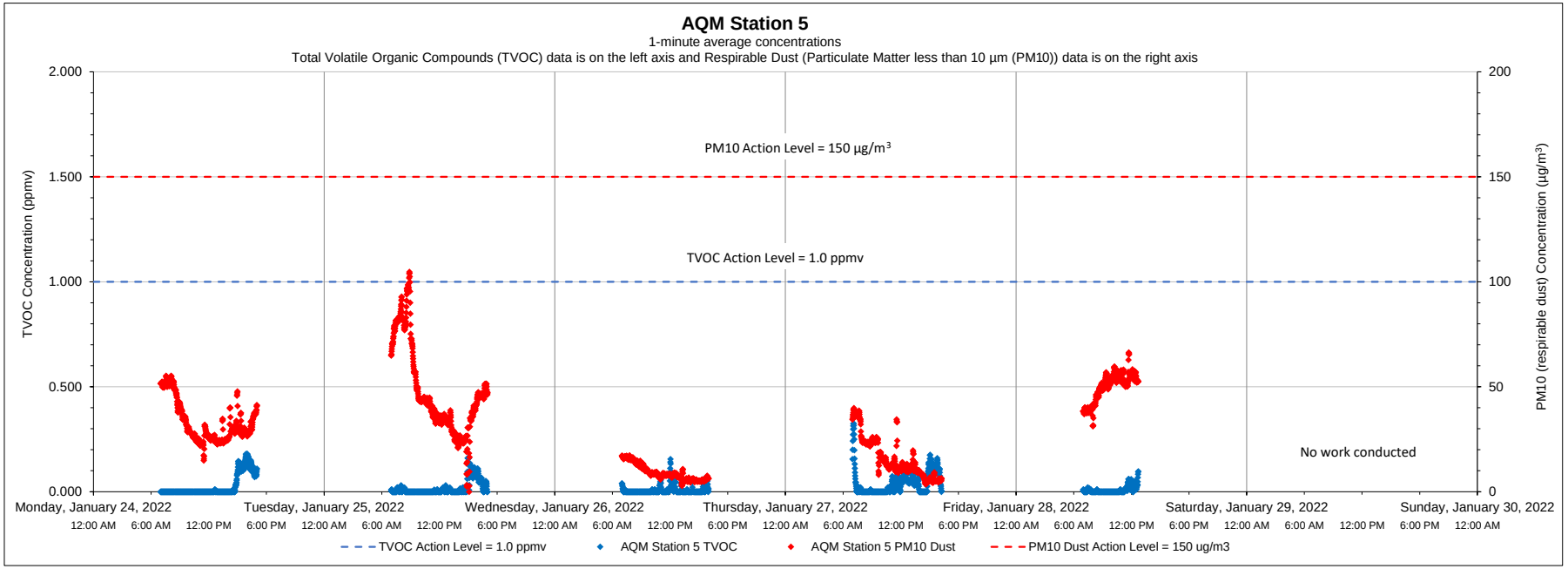

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.33	ppm
TVOCs action level	1	ppm
PM10 average concentration	29.84	µg/m^3
PM10 maximum concentration	104.76	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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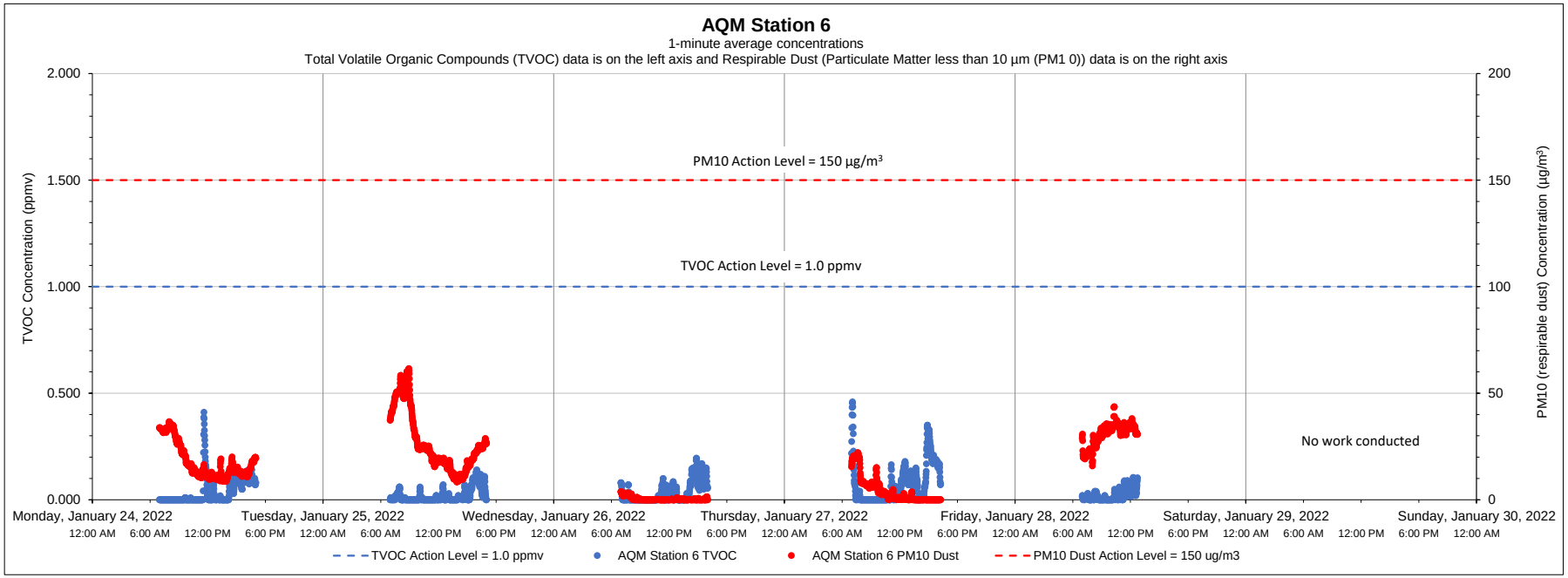

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.97	µg/m^3
PM10 maximum concentration	61.56	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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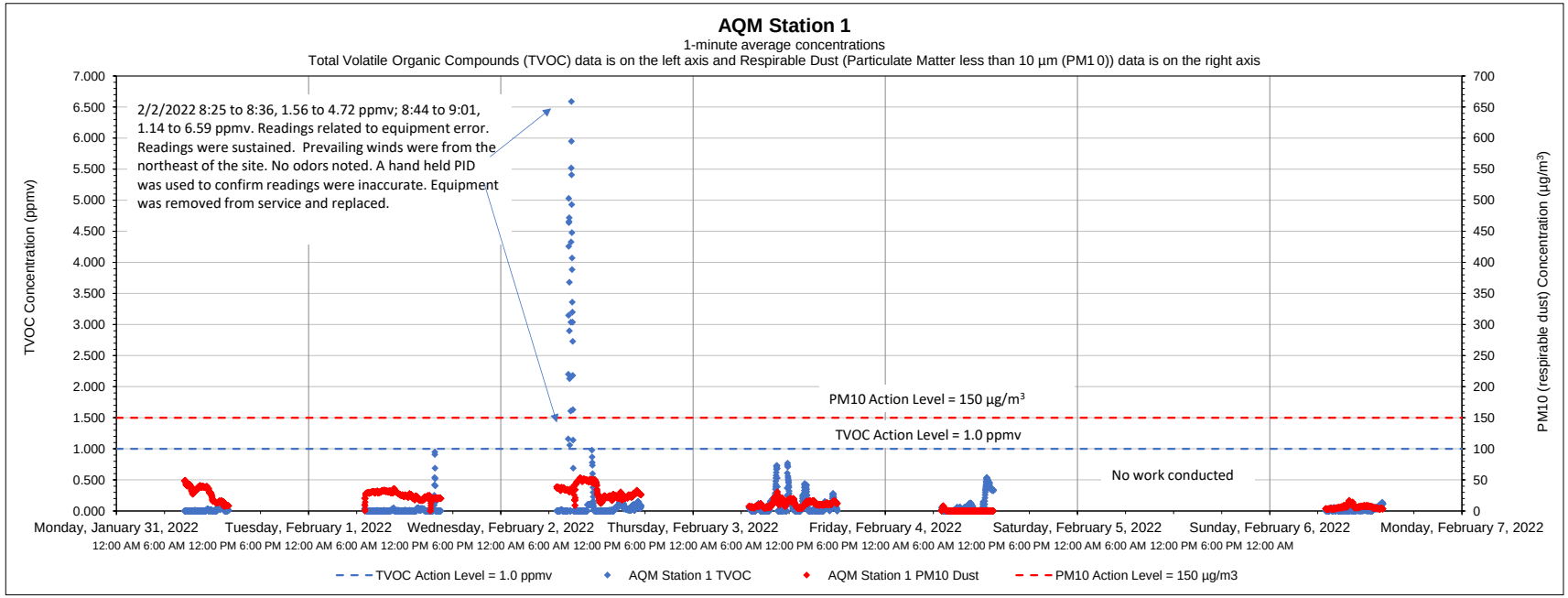
2/07/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
2/2/2022	8:25 to 8:36	TVOC	1.56 to 4.72 ppmv	Equipment removed from service and recalibrated
2/2/2022	8:44 to 9:01	TVOC	1.14 to 6.59 ppmv	Equipment removed from service and recalibrated
2/2/2022	10:50 to 11:22	TVOC	1.10 to 4.95 ppmv	Equipment removed from service and recalibrated

Equipment Notes
2/2/2022 -Equipment error caused sustained action level exceedances. A handheld PID was utilized to confirm that the station's readings were inaccurate, and the site was checked for odors. Troubleshooting was performed to resolve error. Equipment was removed from service and replaced.

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	6.59	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.02	µg/m³
PM10 maximum concentration	53.41	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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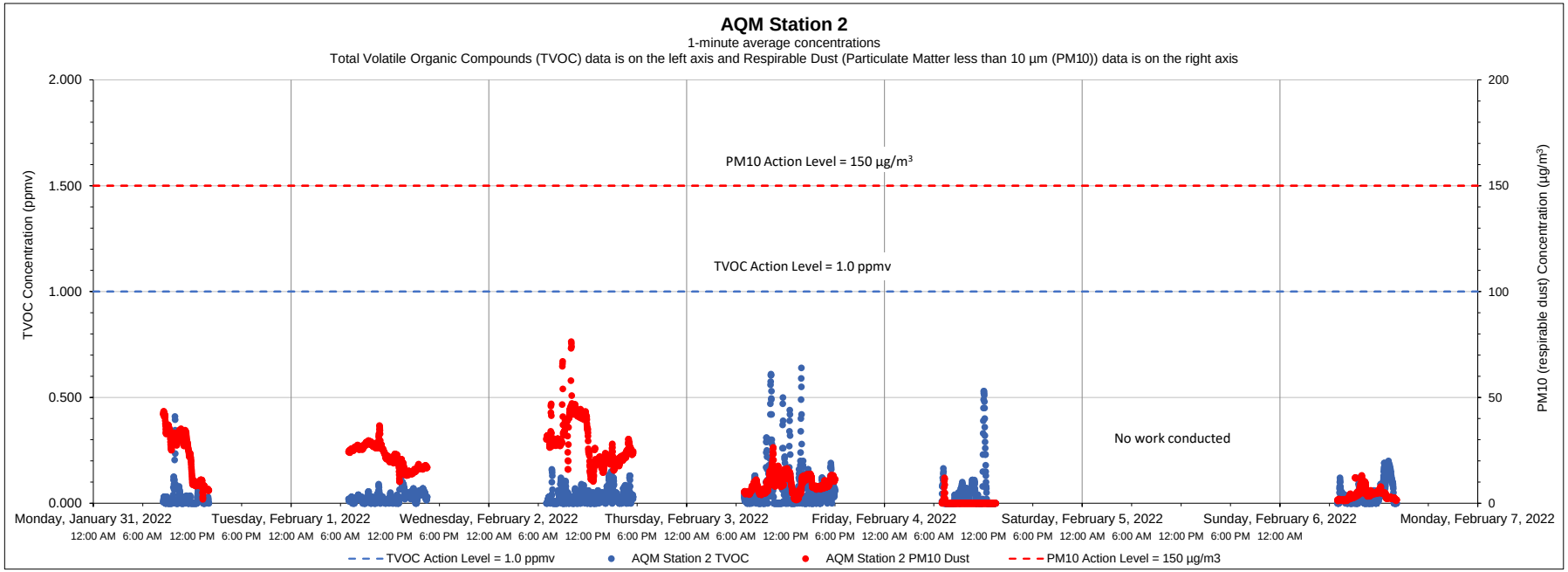

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.64	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.20	µg/m³
PM10 maximum concentration	76.39	µg/m³
PM10 action level	150	µg/m³

Notes:

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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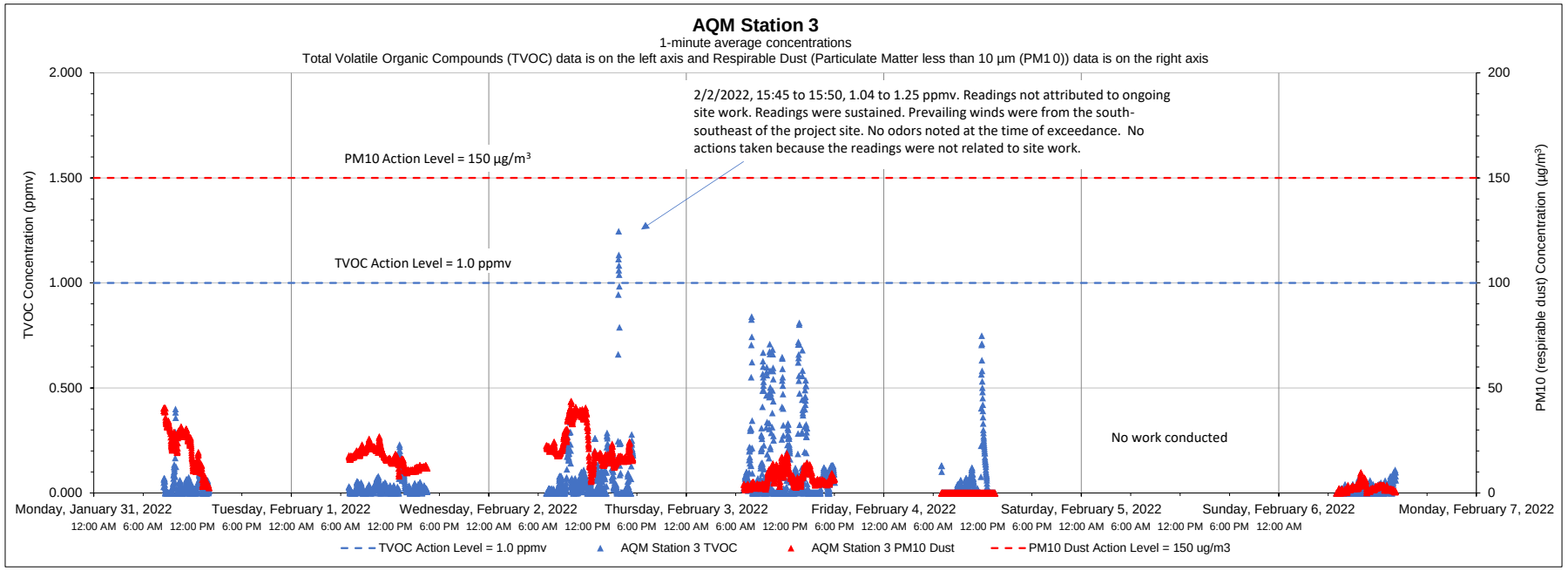

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
2/2/2022	15:45 to 15:50	TVOC	1.04 to 1.25 ppmv	No actions taken because the readings were not related to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.06	µg/m³
PM10 maximum concentration	43.68	µg/m³
PM10 action level	150	µg/m³

Notes:

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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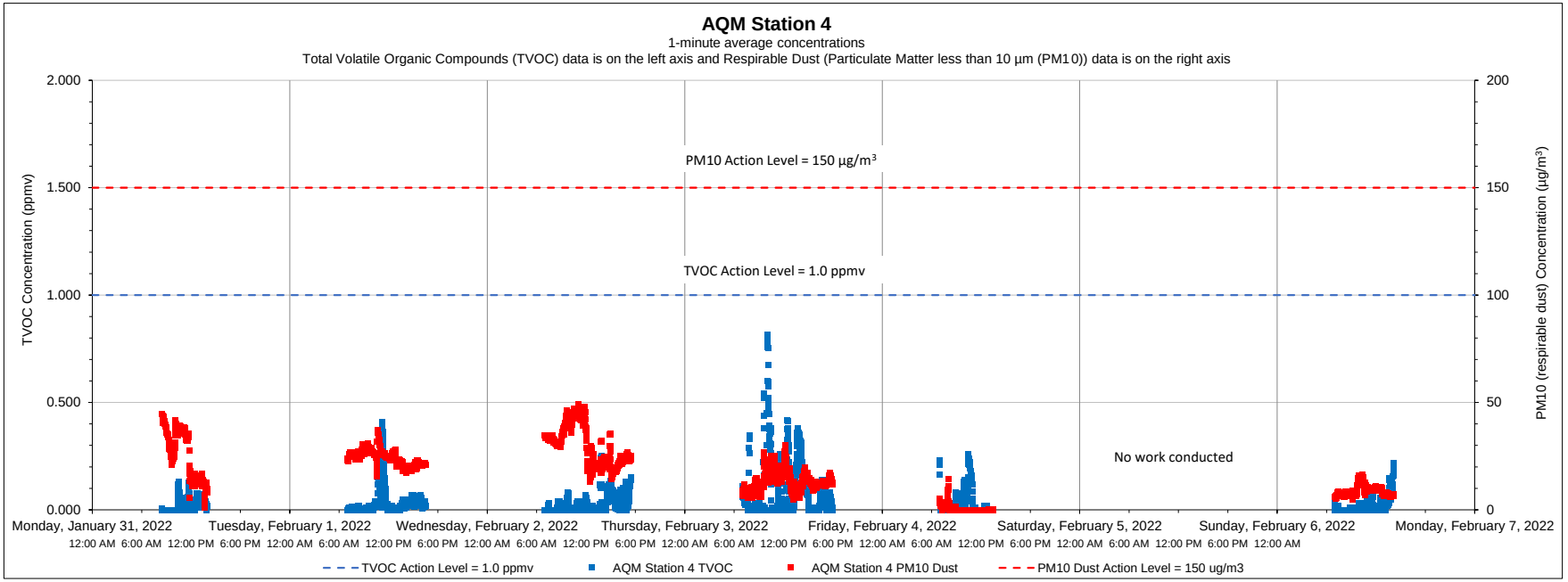

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.81	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.76	µg/m^3
PM10 maximum concentration	49.25	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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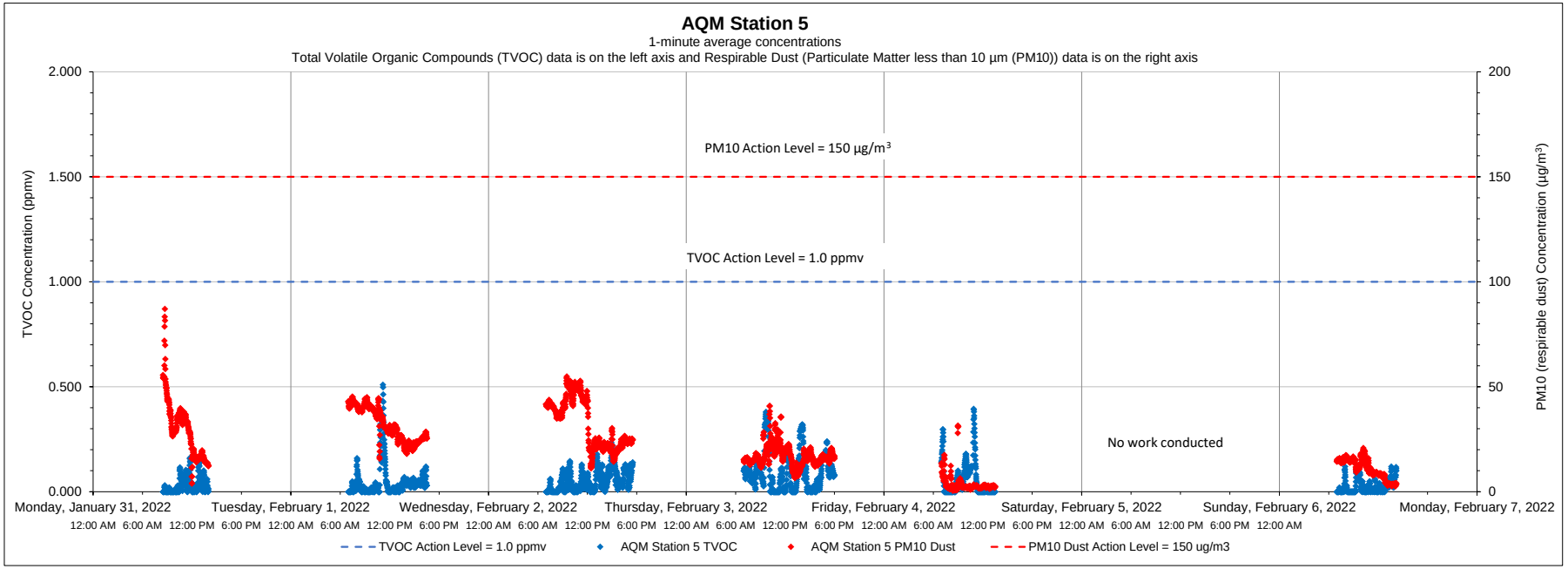

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.51	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.65	µg/m^3
PM10 maximum concentration	87.11	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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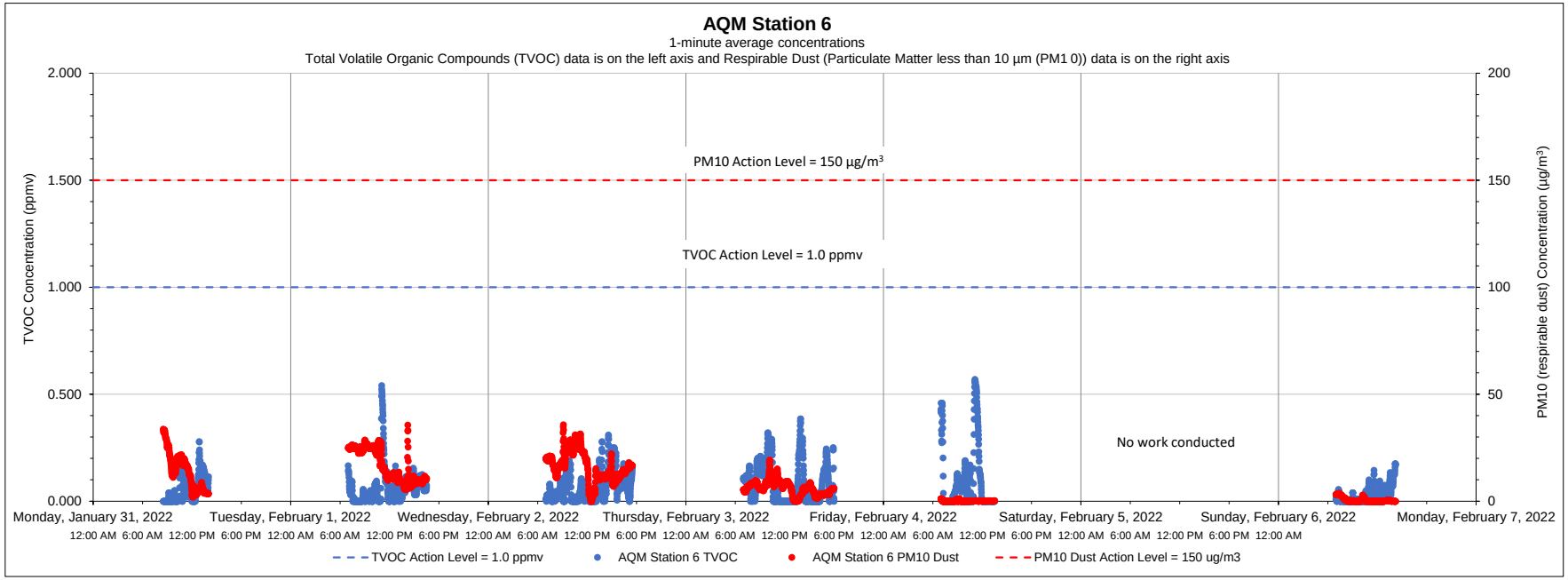

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.57	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.47	µg/m^3
PM10 maximum concentration	35.79	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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2/14/2022

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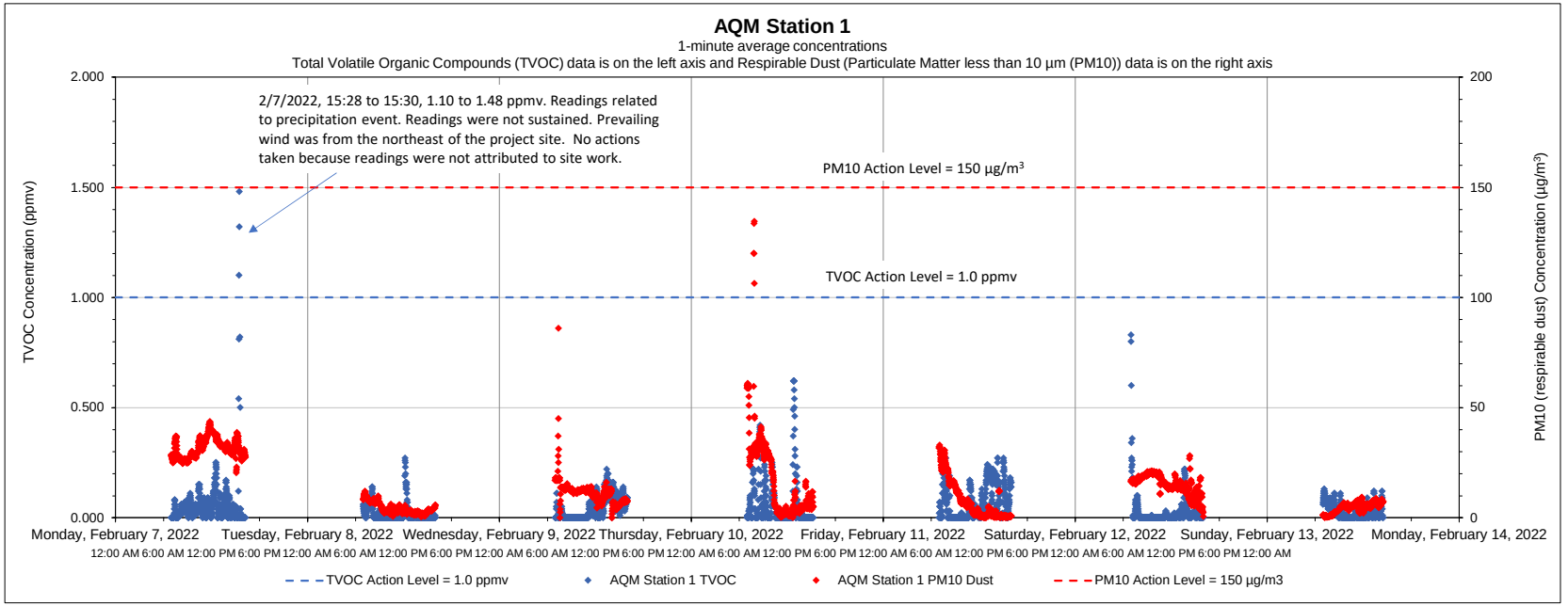

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.05	µg/m³
PM10 maximum concentration	134.43	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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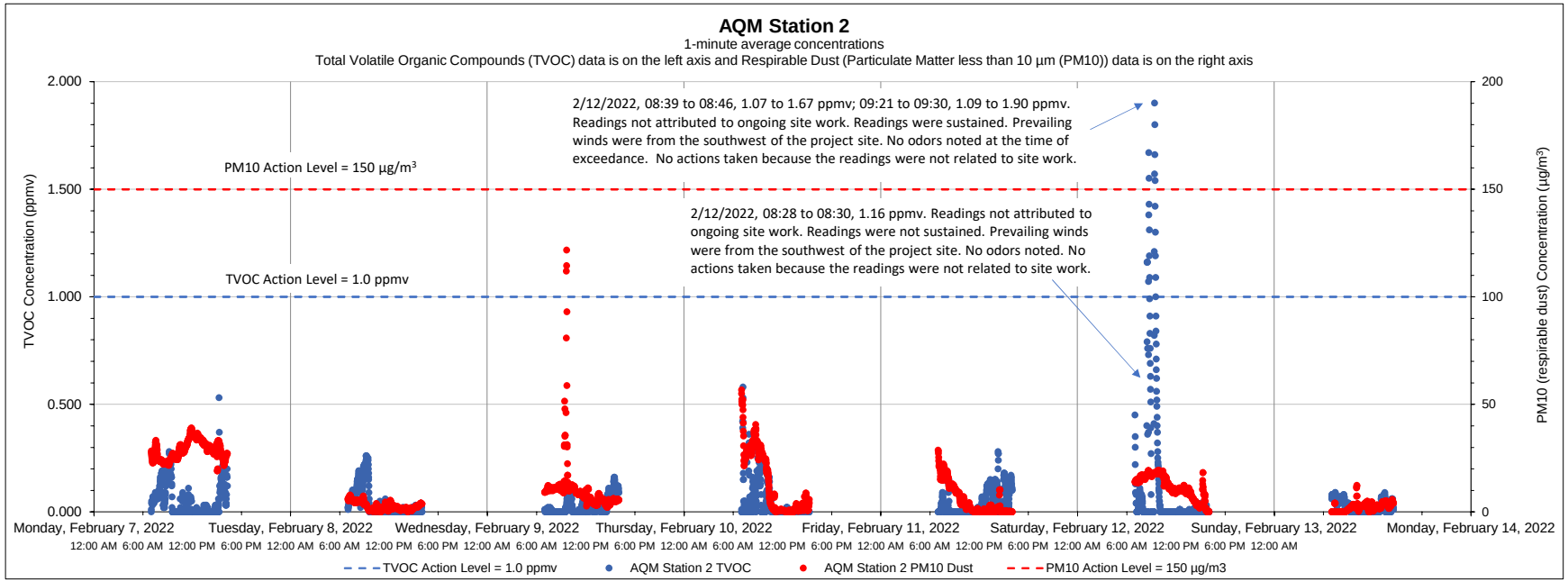

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
2/12/2022	08:39 to 08:46	TVOC	1.07 to 1.67 ppmv	No actions taken because the readings were not related to site work
2/12/2022	09:21 to 09:30	TVOC	1.09 to 1.90 ppmv	No actions taken because the readings were not related to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.90	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.51	µg/m^3
PM10 maximum concentration	121.74	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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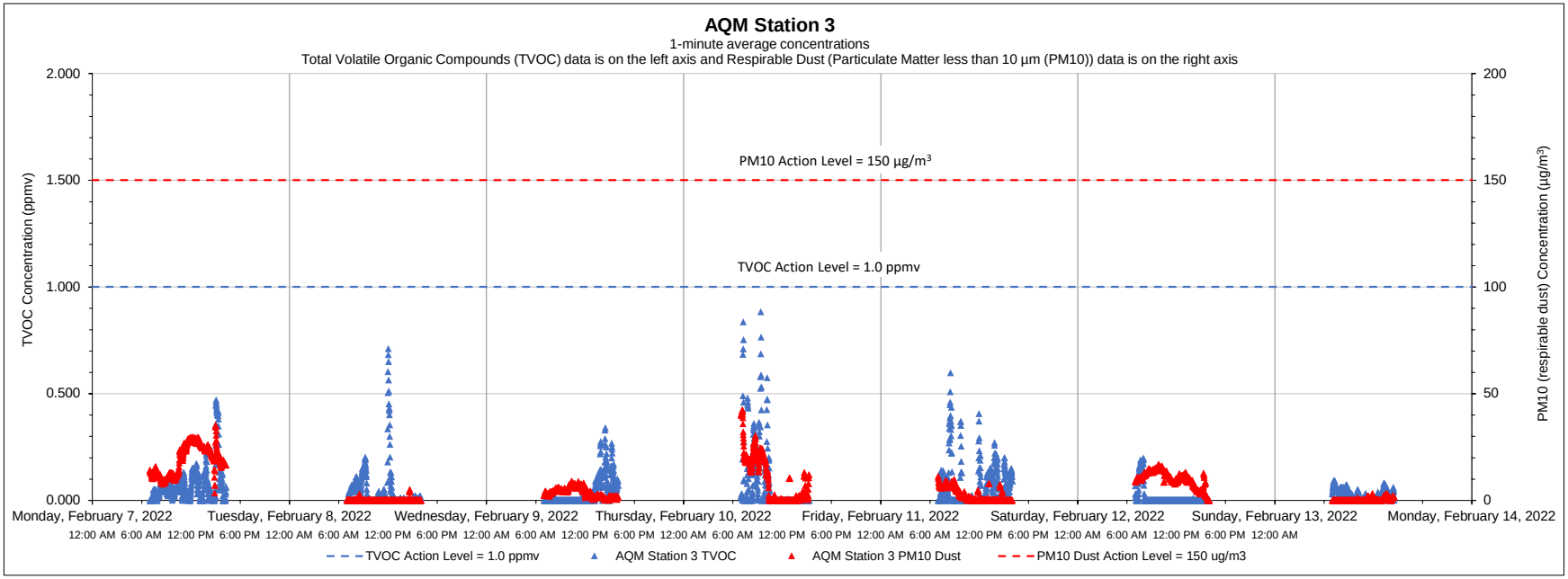

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.88	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.60	µg/m^3
PM10 maximum concentration	42.48	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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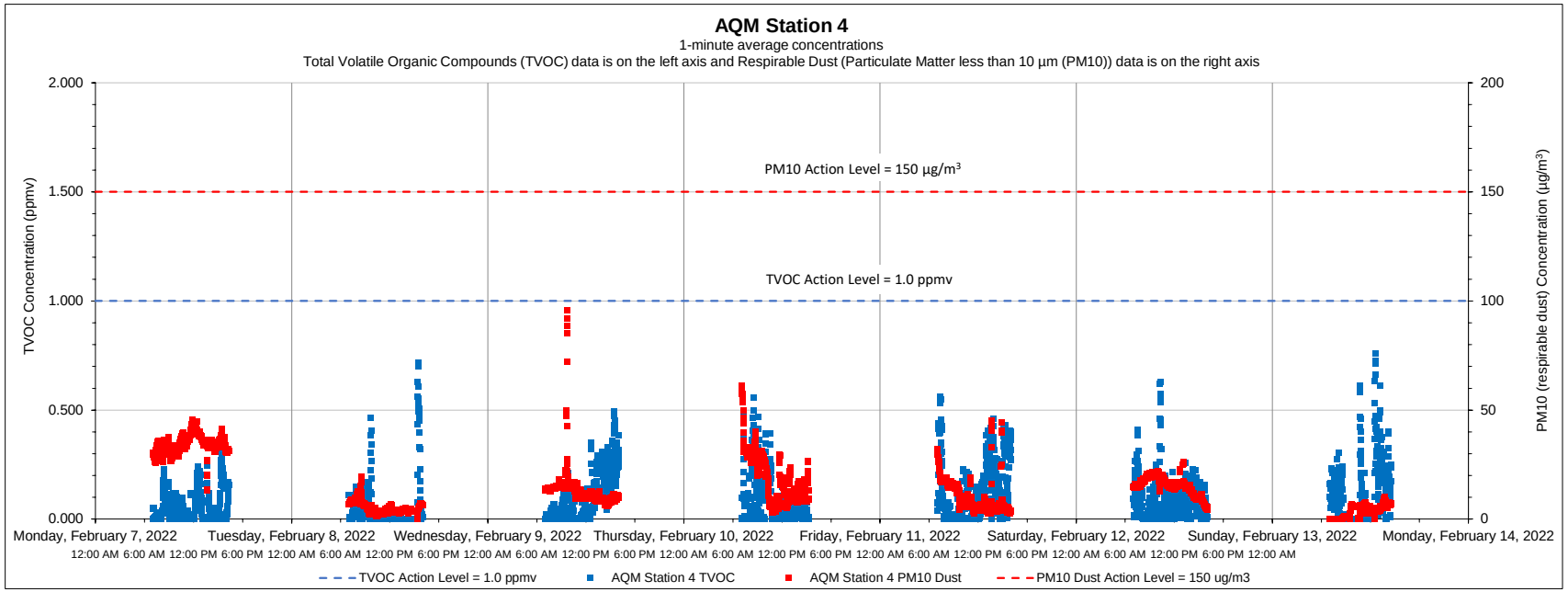

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.09	ppm
TVOCs maximum concentration	0.76	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.39	µg/m³
PM10 maximum concentration	95.73	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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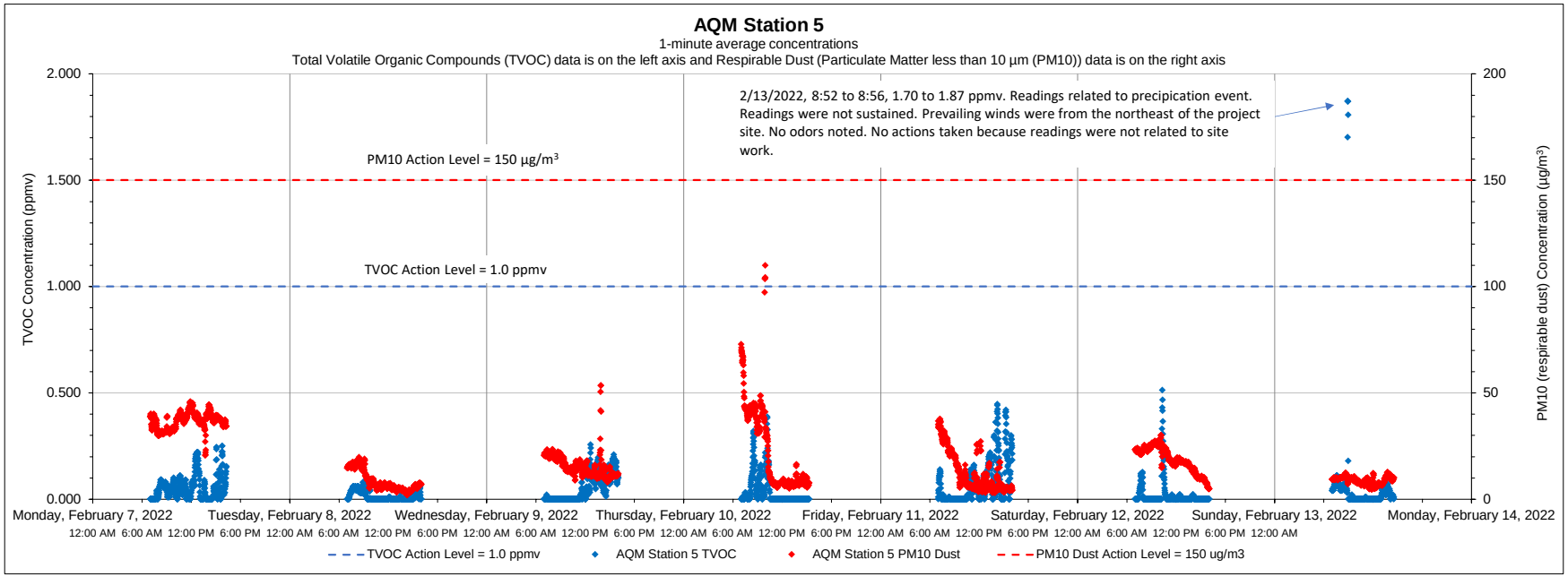

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.87	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.54	µg/m^3
PM10 maximum concentration	109.91	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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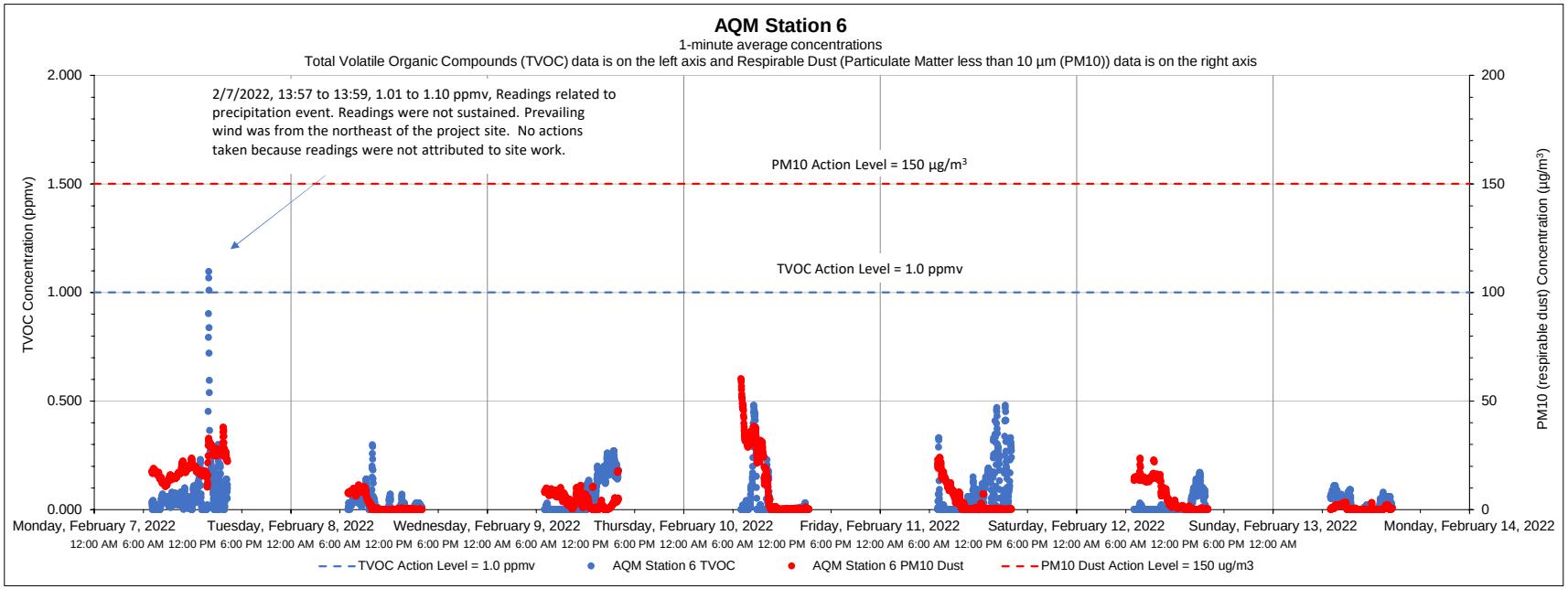

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.22	µg/m^3
PM10 maximum concentration	60.21	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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Liquefaction Facility Project -

2/21/2022

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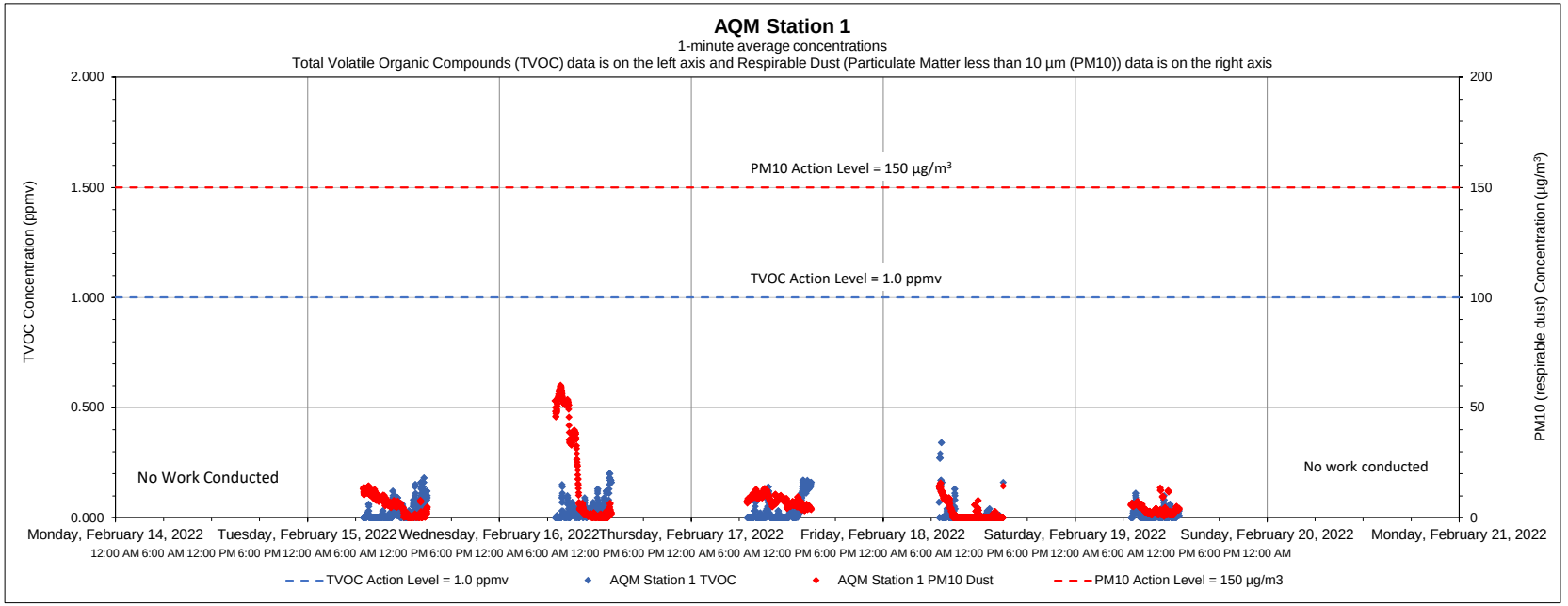

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.34	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.67	µg/m³
PM10 maximum concentration	60.09	µg/m³
PM10 action level	150	µg/m³

Notes:

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Prepared by GZA on behalf of National Grid LNG LLC

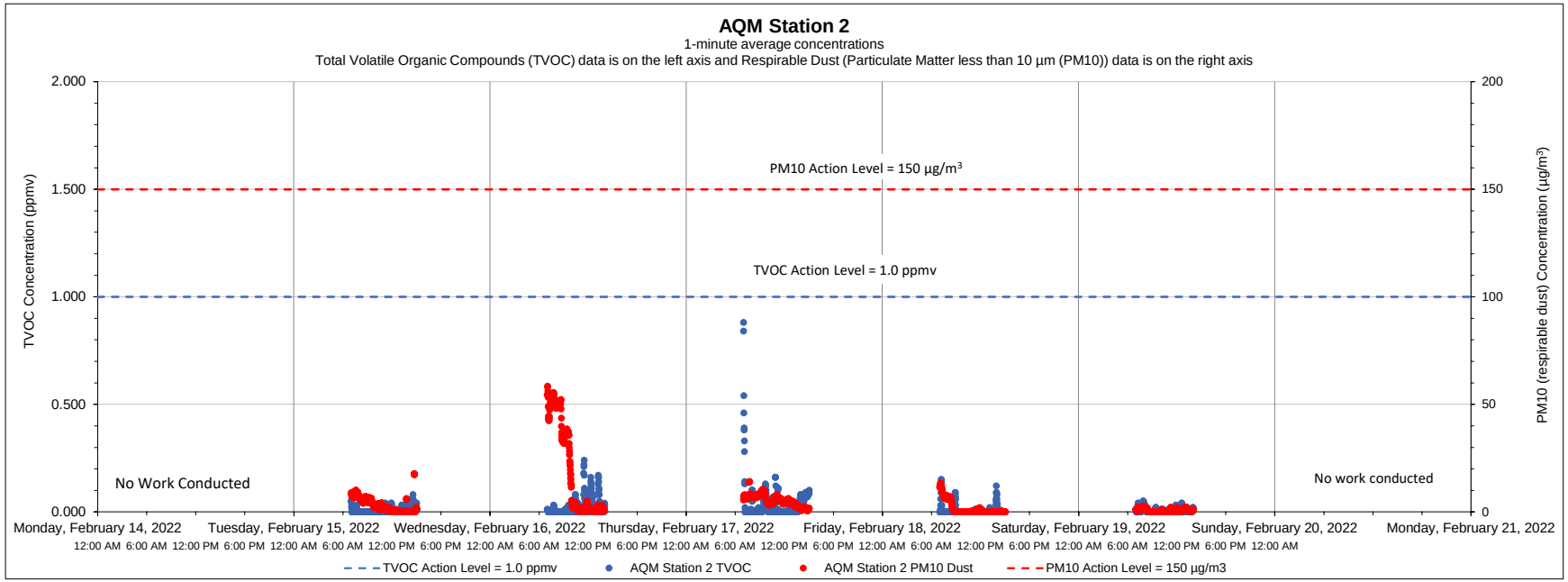
GZA Job No. 03.0033554.04

2/21/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.88	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.63	µg/m^3
PM10 maximum concentration	58.41	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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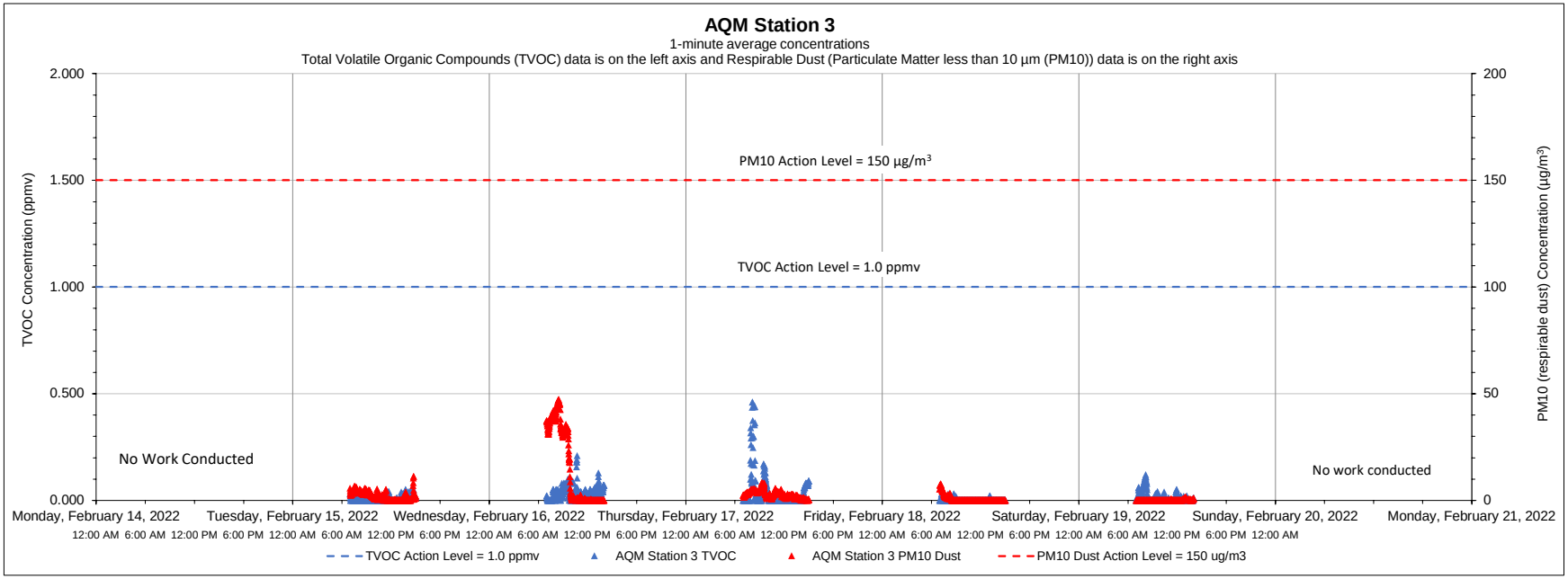

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.89	µg/m^3
PM10 maximum concentration	47.32	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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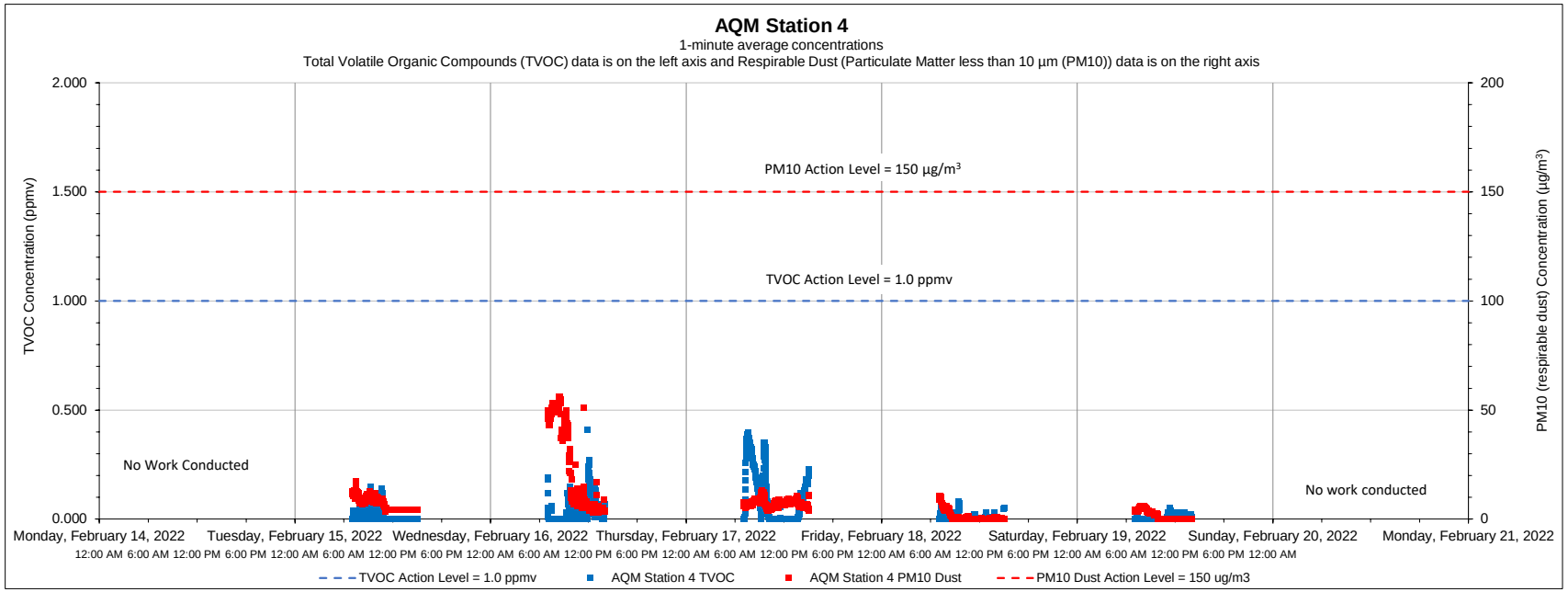

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.55	µg/m³
PM10 maximum concentration	56.00	µg/m³
PM10 action level	150	µg/m³

Notes:

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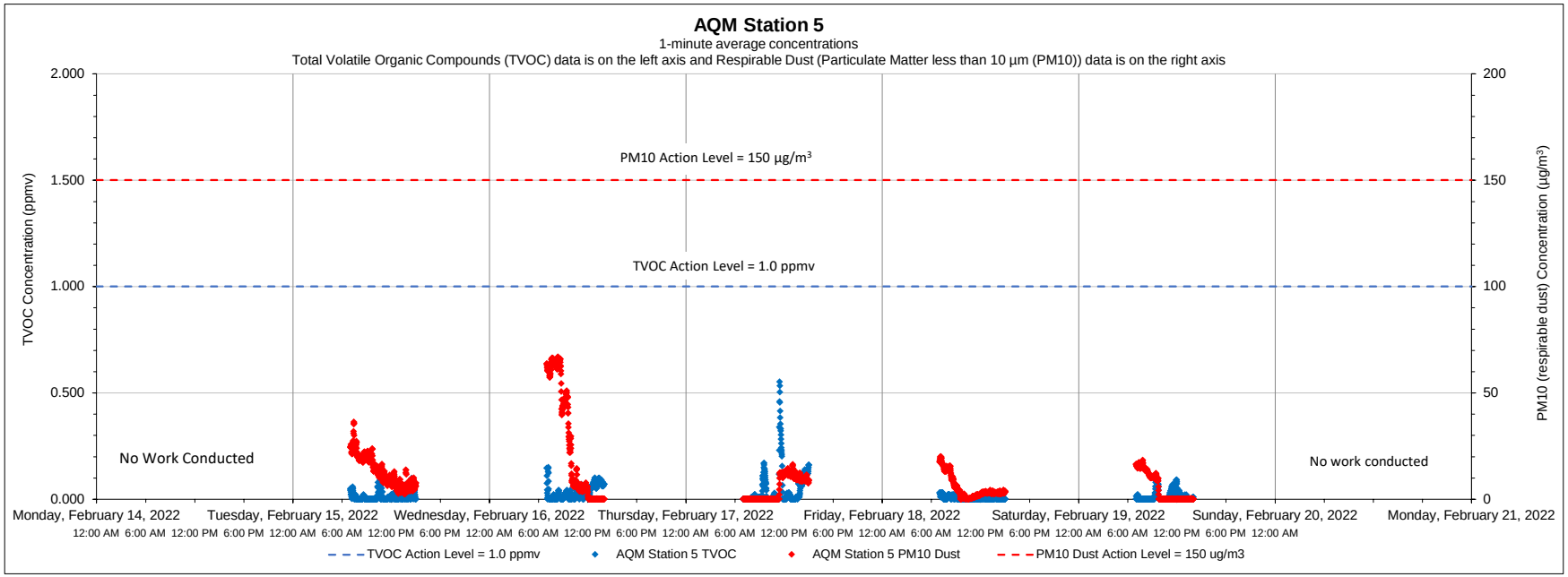

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.55	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.28	µg/m^3
PM10 maximum concentration	66.87	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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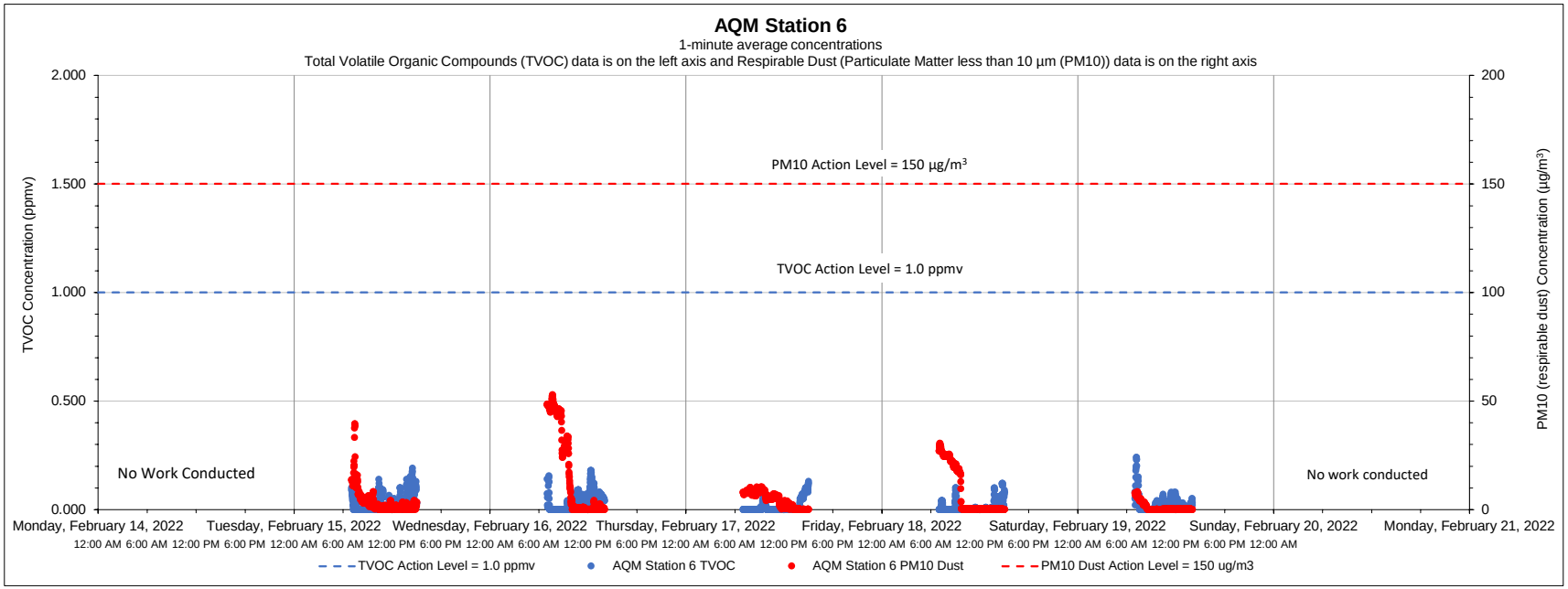

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.40	µg/m^3
PM10 maximum concentration	52.80	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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2/28/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

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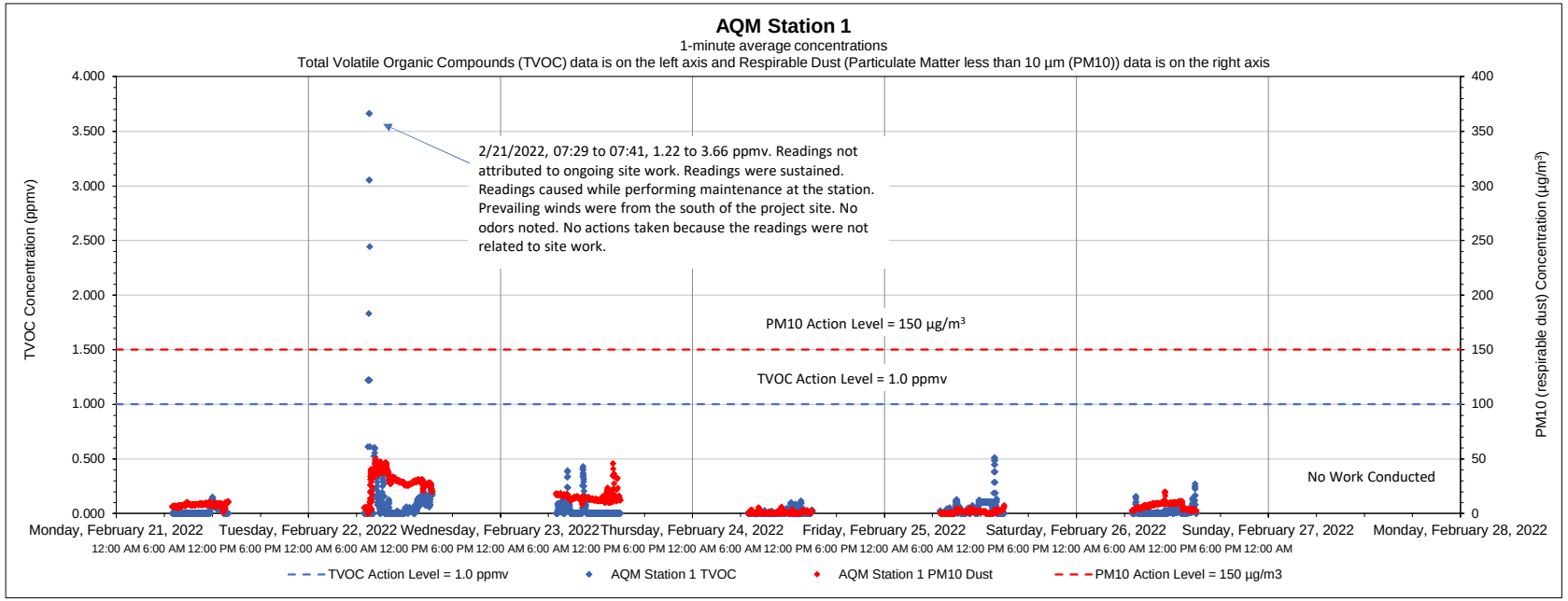

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
2/22/2022	07:29 to 07:41	TVOC	1.22 to 3.66 ppmv	No action taken because were not related to site work..
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	3.66	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.28	µg/m³
PM10 maximum concentration	49.70	µg/m³
PM10 action level	150	µg/m³

Notes:

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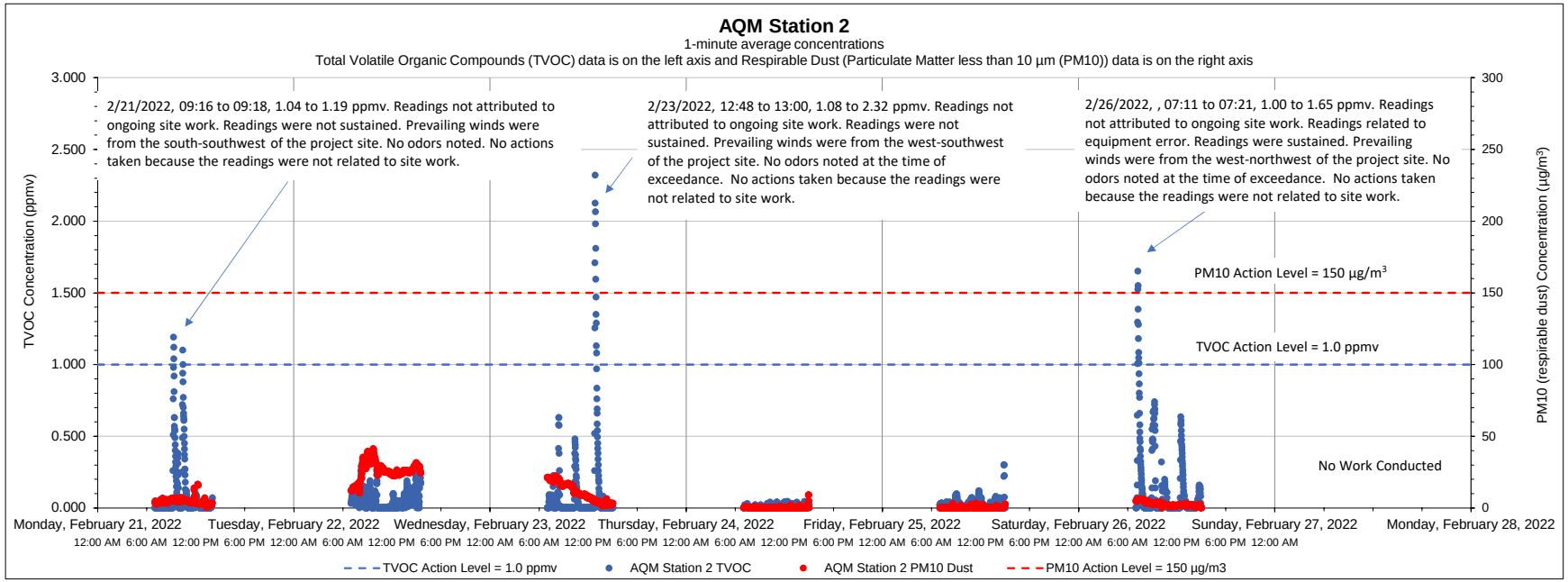

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
2/23/2022	12:48 to 13:00	TVOC	1.08 to 2.32 ppmv	No actions taken because the readings were not related to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	2.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.67	µg/m^3
PM10 maximum concentration	41.17	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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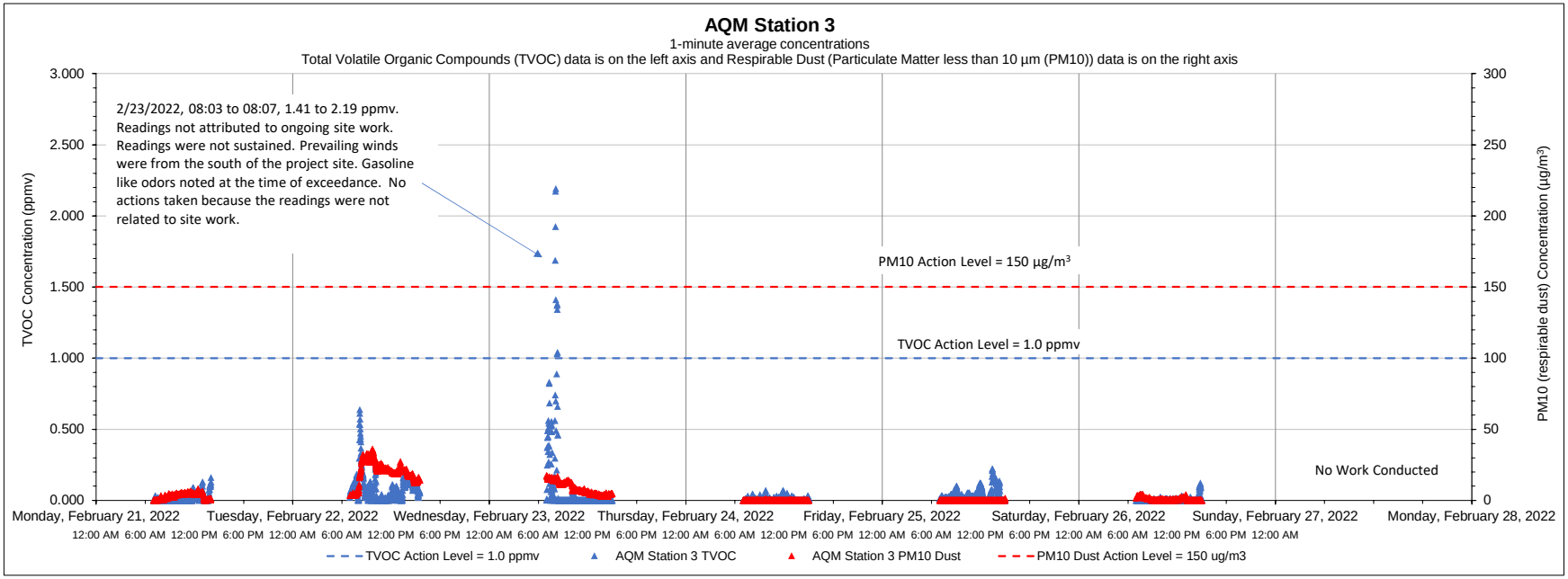

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	2.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.63	µg/m^3
PM10 maximum concentration	35.97	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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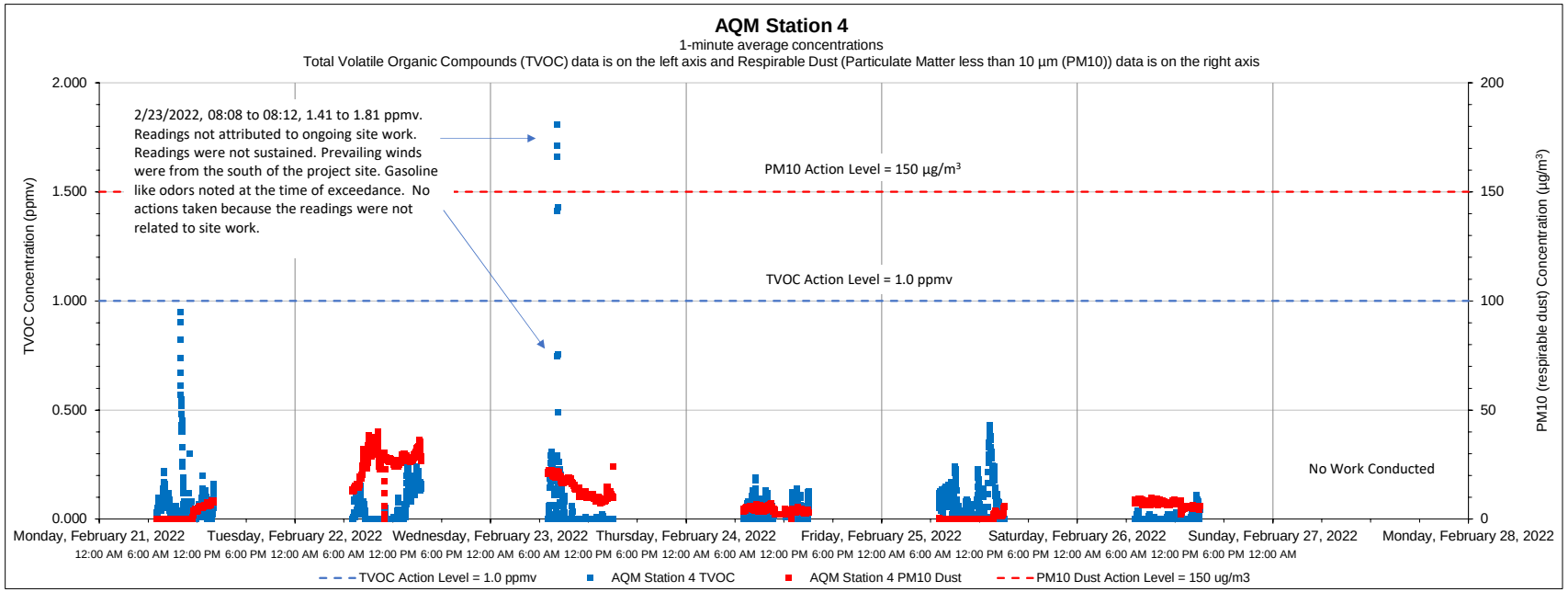

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.81	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.37	µg/m^3
PM10 maximum concentration	39.94	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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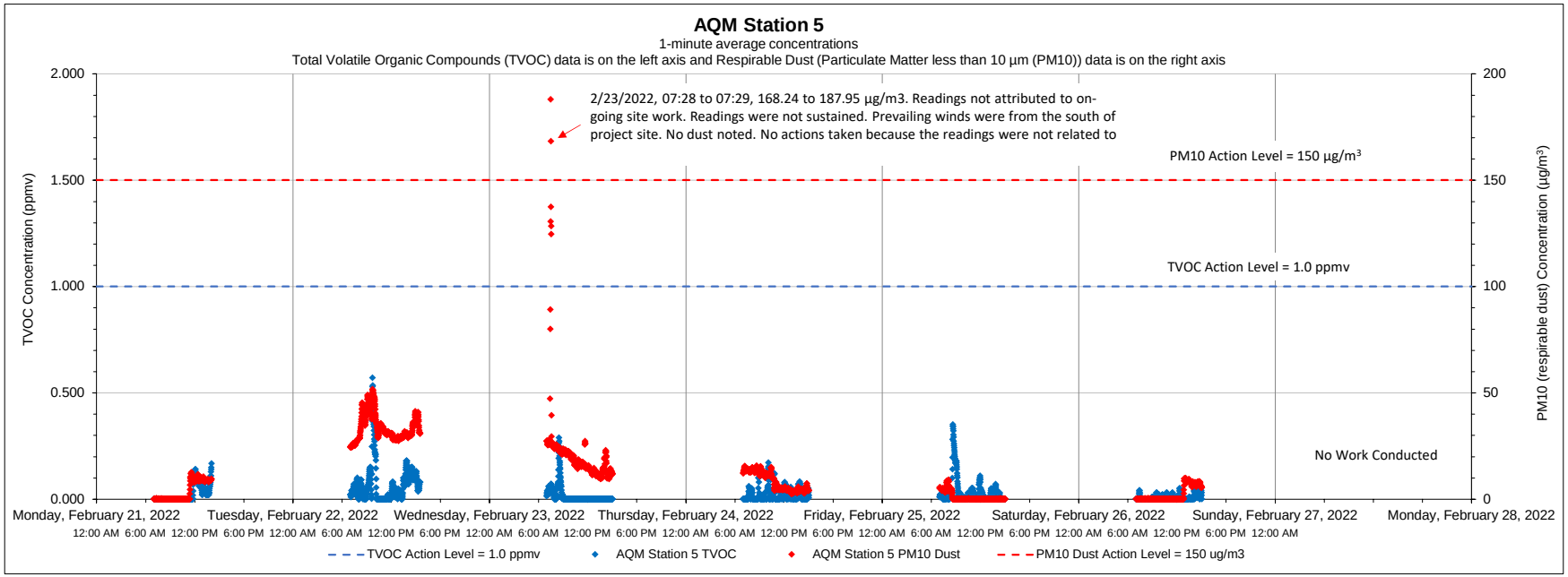

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.57	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.72	µg/m^3
PM10 maximum concentration	187.95	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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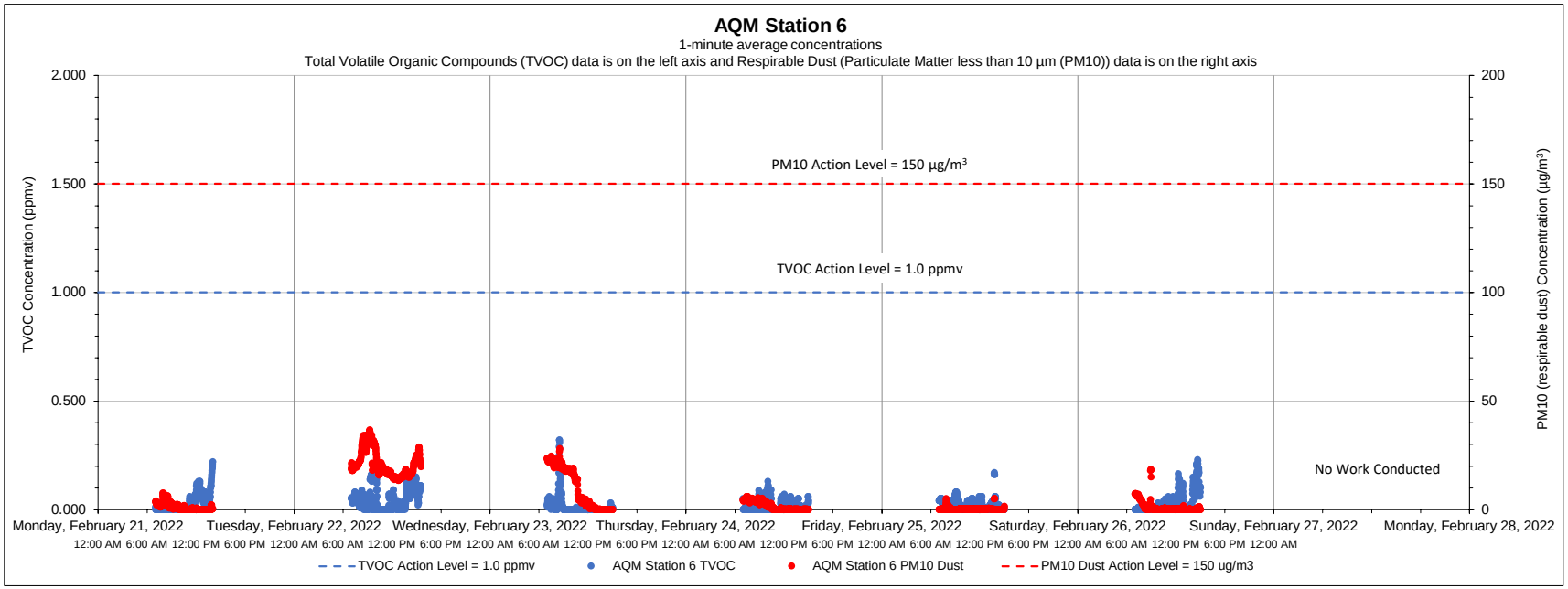

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.09	µg/m^3
PM10 maximum concentration	36.70	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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Liquefaction Facility Project -

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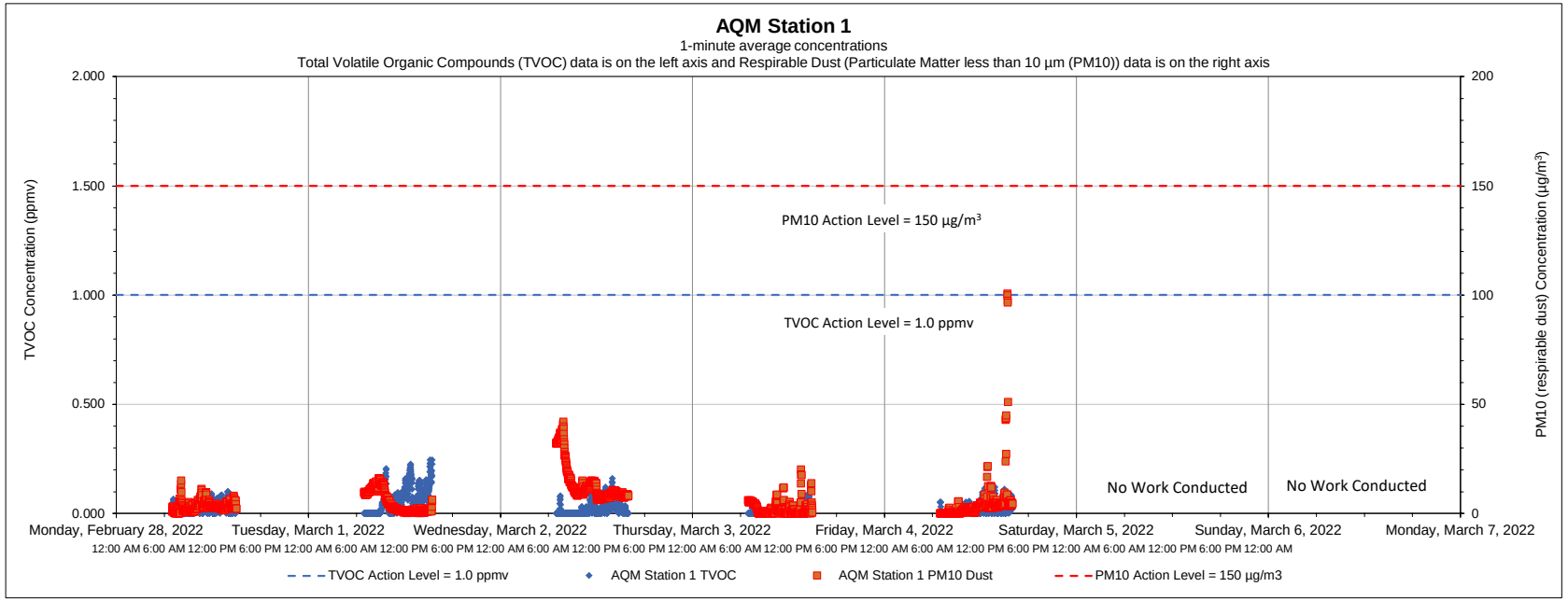

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.24	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.58	µg/m³
PM10 maximum concentration	100.60	µg/m³
PM10 action level	150	µg/m³

Notes:

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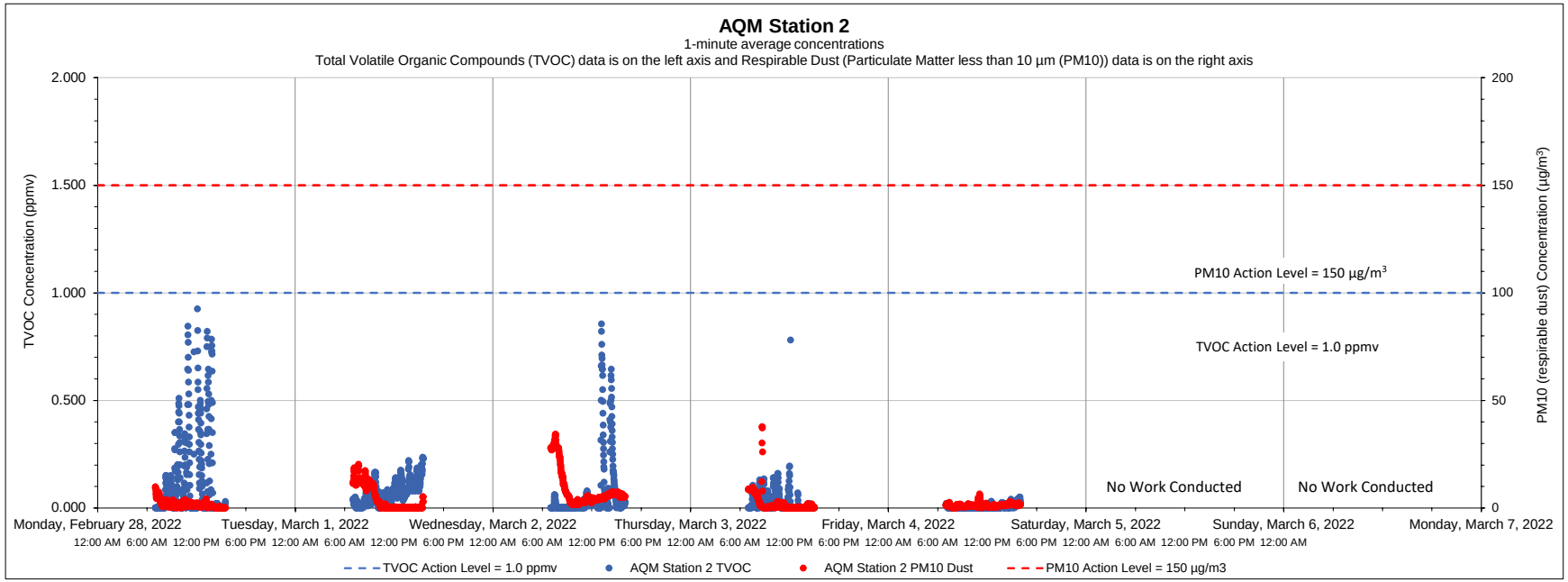

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.92	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.44	µg/m³
PM10 maximum concentration	37.68	µg/m³
PM10 action level	150	µg/m³

Notes:

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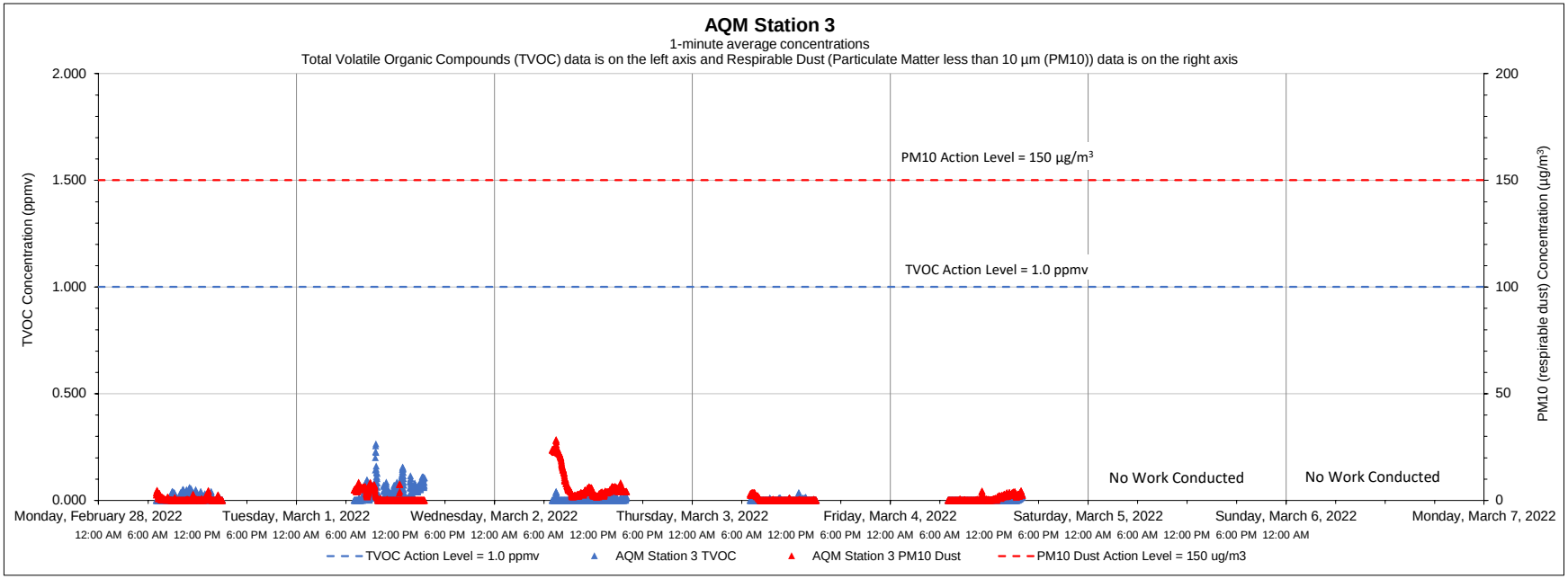

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.26	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.18	µg/m^3
PM10 maximum concentration	28.43	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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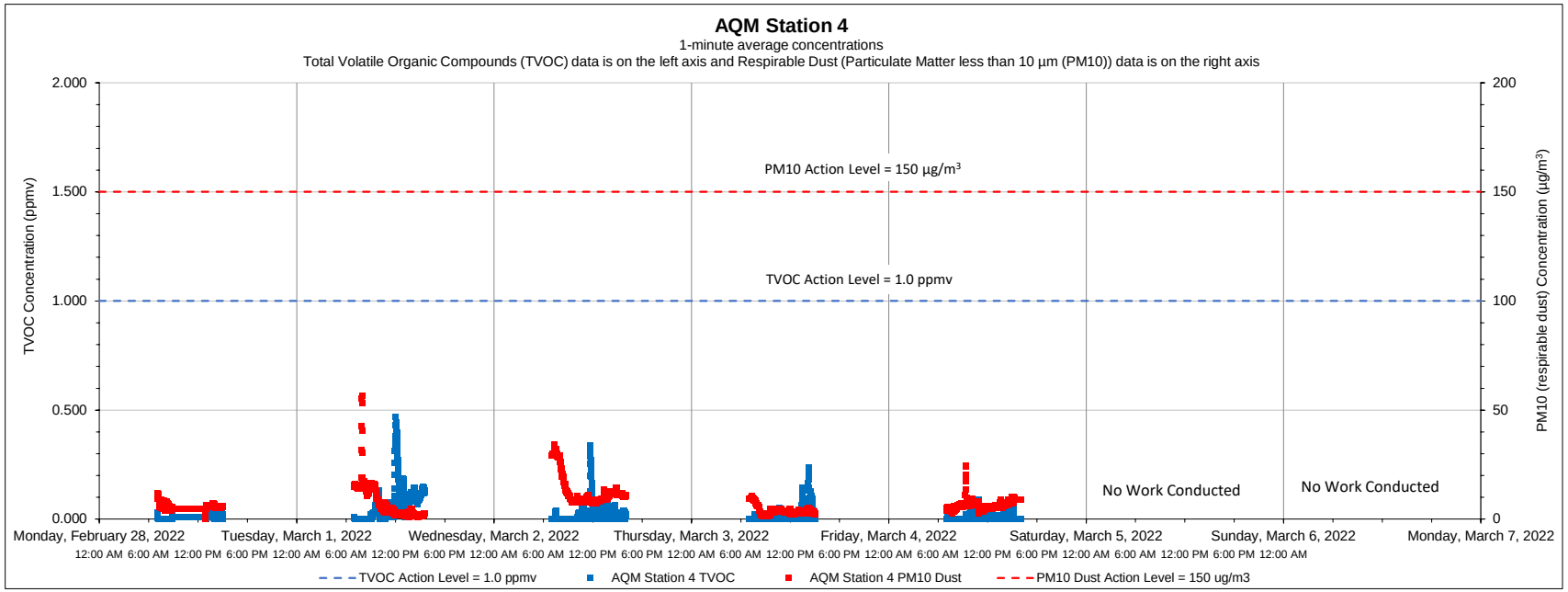

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.47	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.27	µg/m³
PM10 maximum concentration	56.42	µg/m³
PM10 action level	150	µg/m³

Notes:

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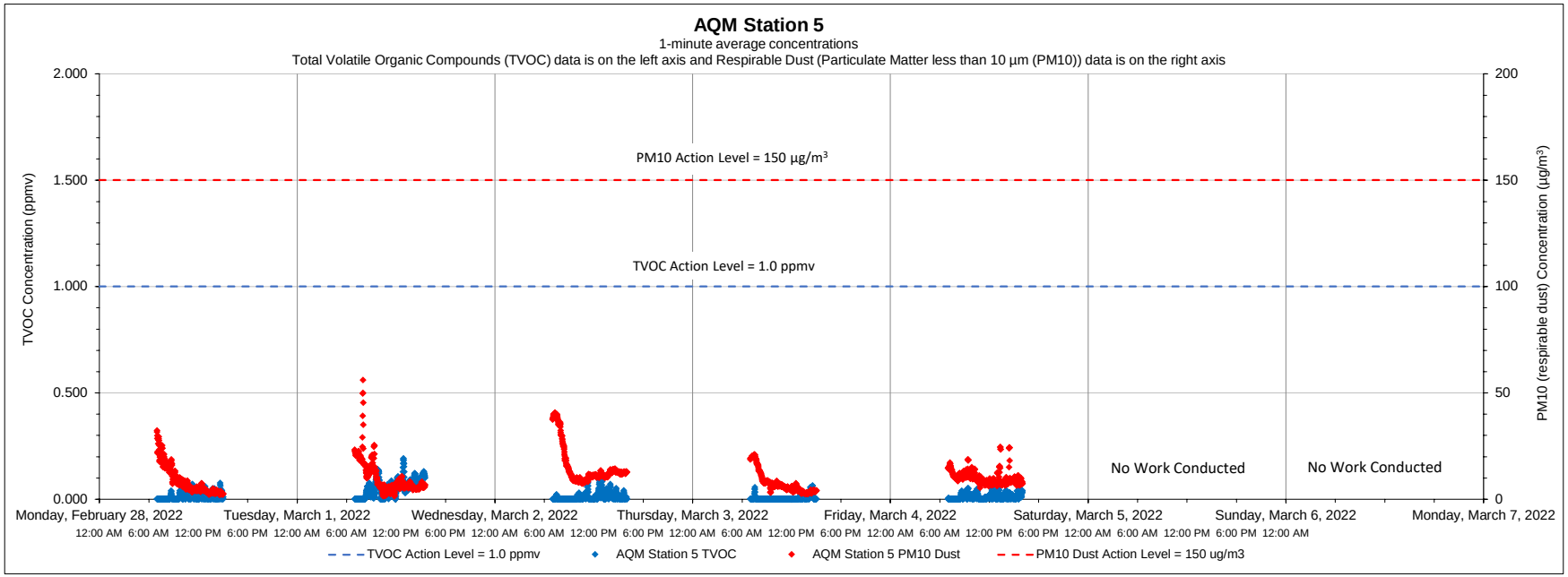

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.08	µg/m^3
PM10 maximum concentration	55.91	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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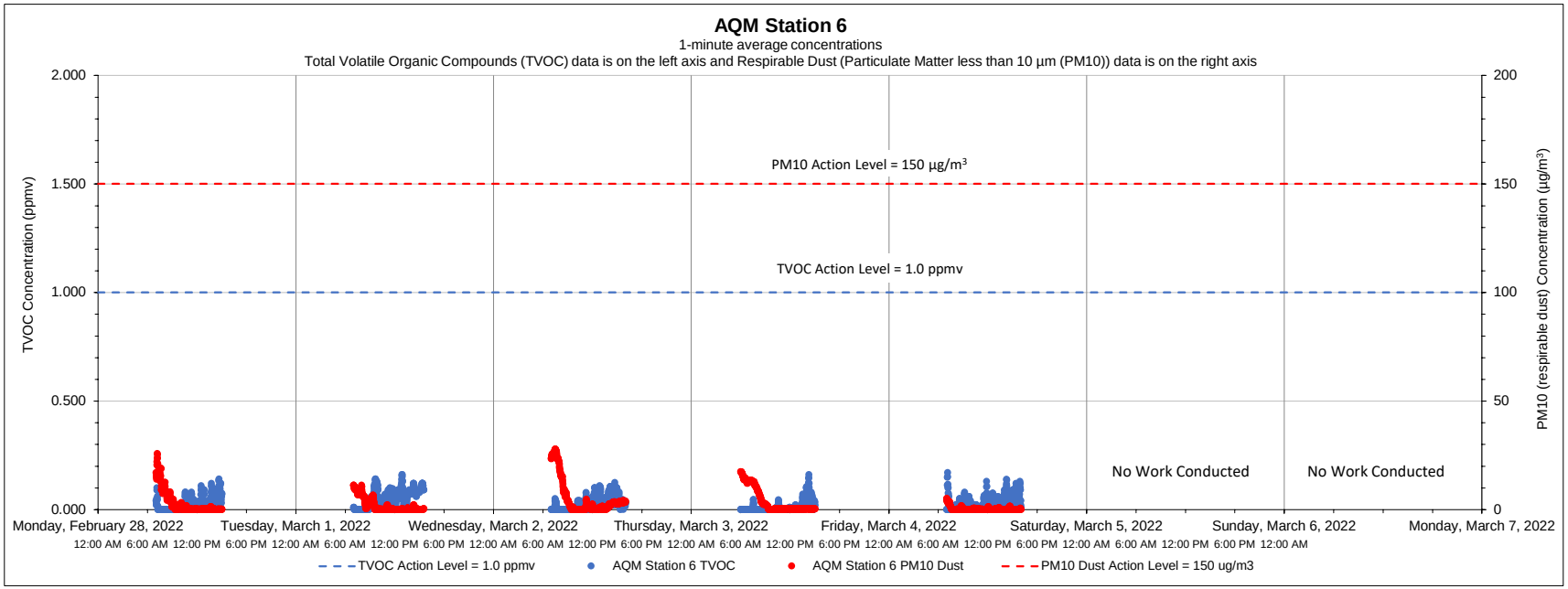


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.17	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.75	µg/m^3
PM10 maximum concentration	27.84	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

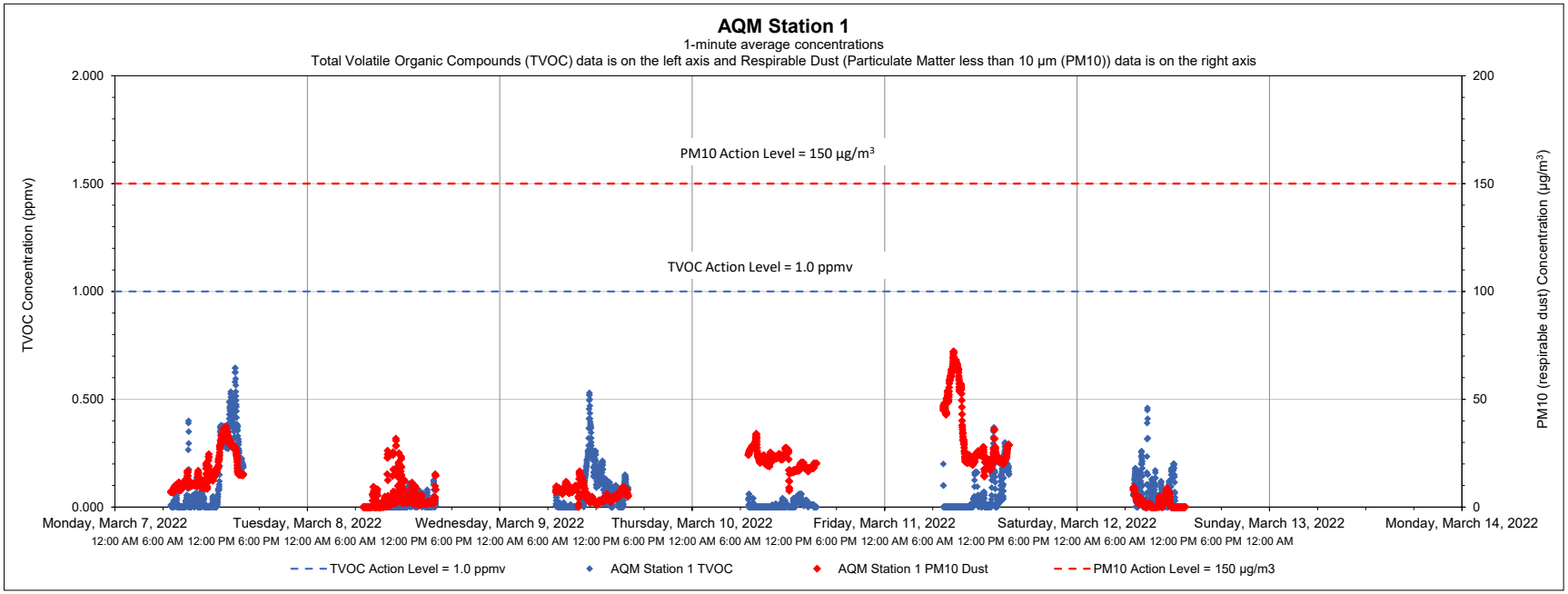
GZA Job No. 03.0033554.04

Liquefaction Facility Project -

03/14/2022

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.64	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.12	µg/m^3
PM10 maximum concentration	72.24	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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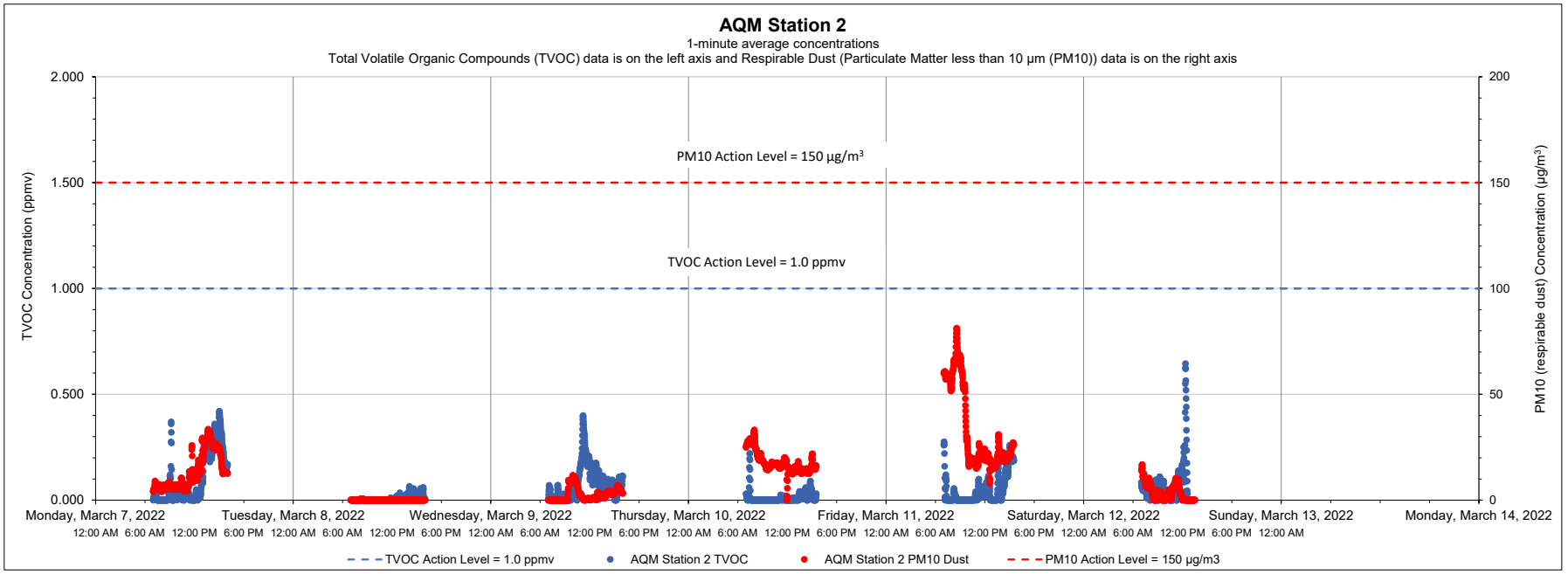

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.64	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.77	µg/m^3
PM10 maximum concentration	81.19	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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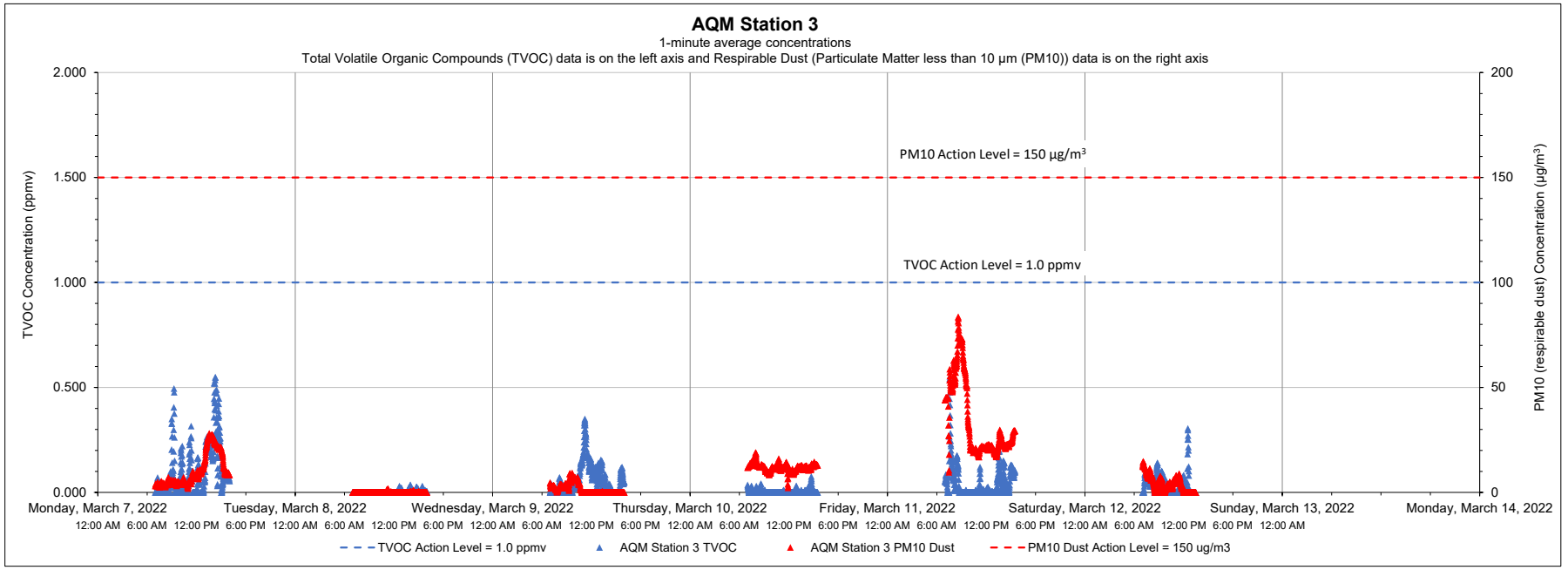

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.55	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.28	µg/m^3
PM10 maximum concentration	83.62	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

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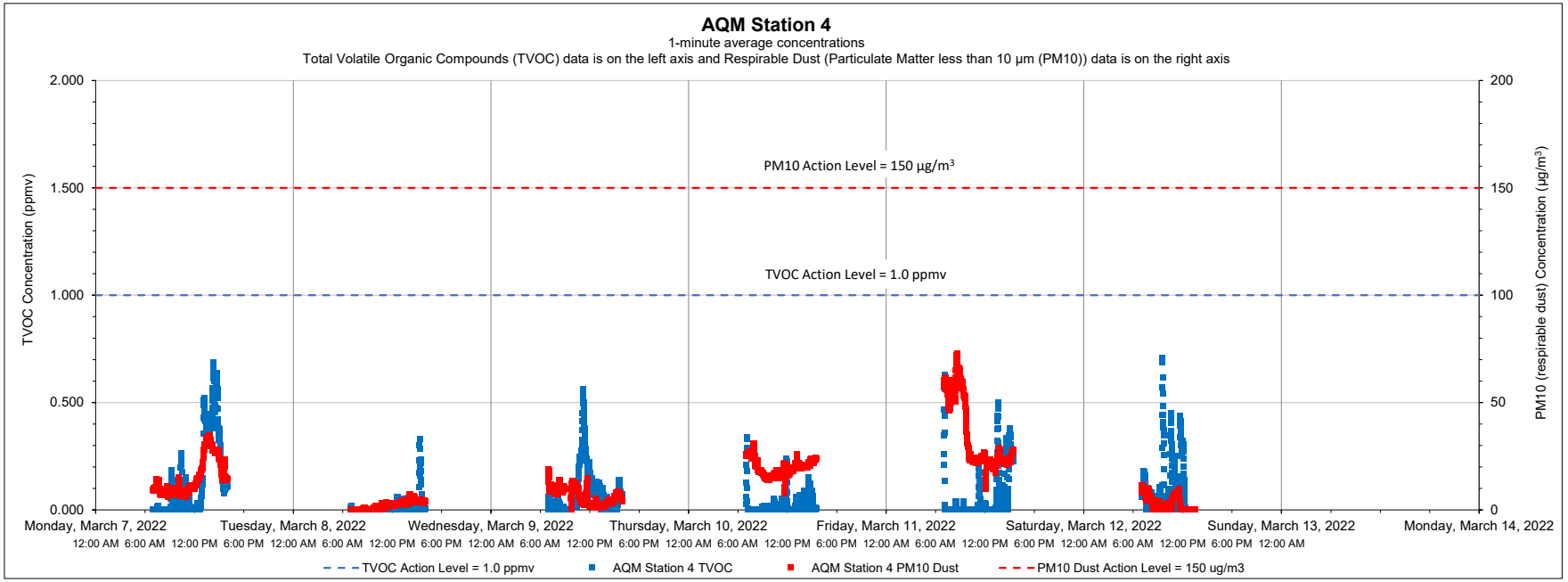

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.71	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.62	µg/m³
PM10 maximum concentration	72.88	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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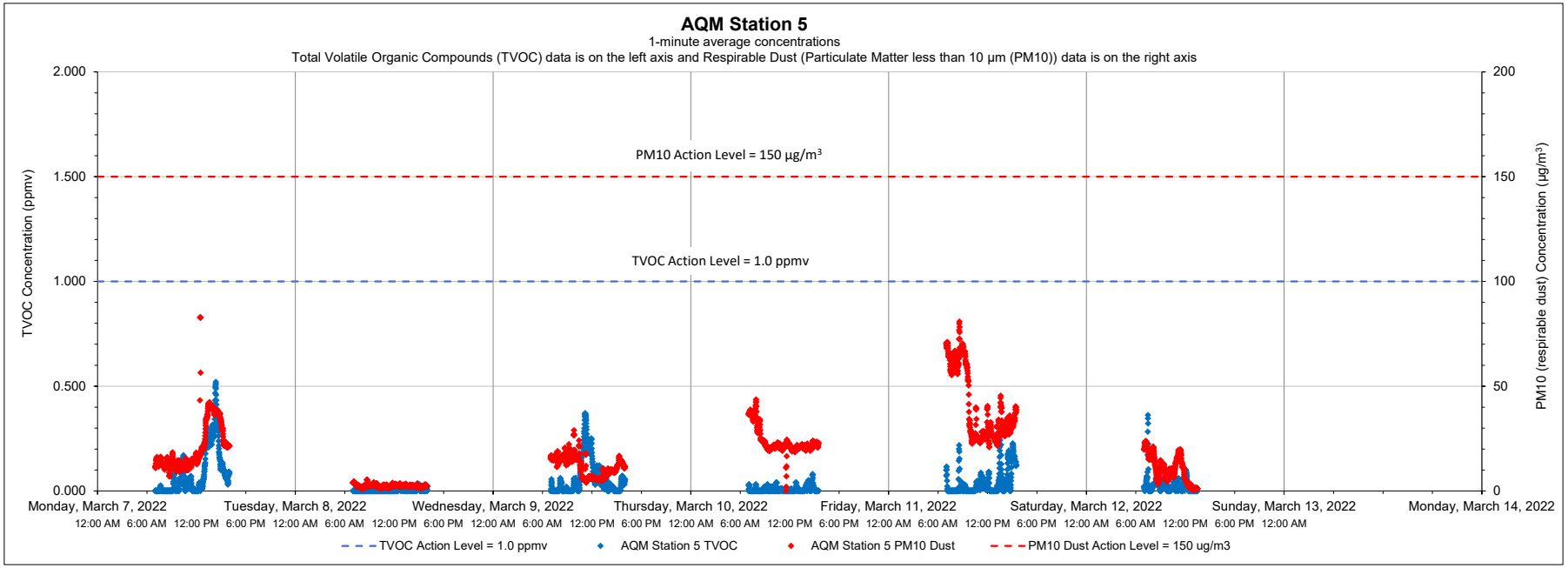

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.52	ppm
TVOCs action level	1	ppm
PM10 average concentration	18.12	µg/m³
PM10 maximum concentration	82.87	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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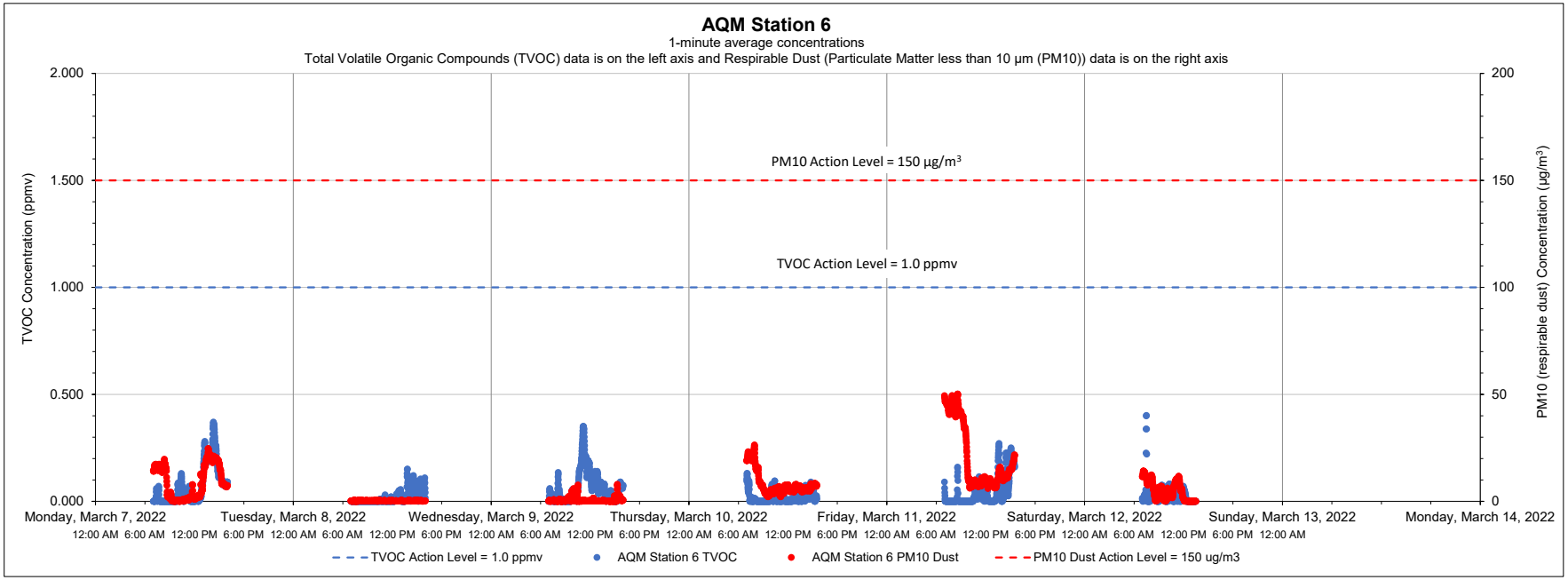

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.18	µg/m³
PM10 maximum concentration	50.14	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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GZA Job No. 03.0033554.04

03/21/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

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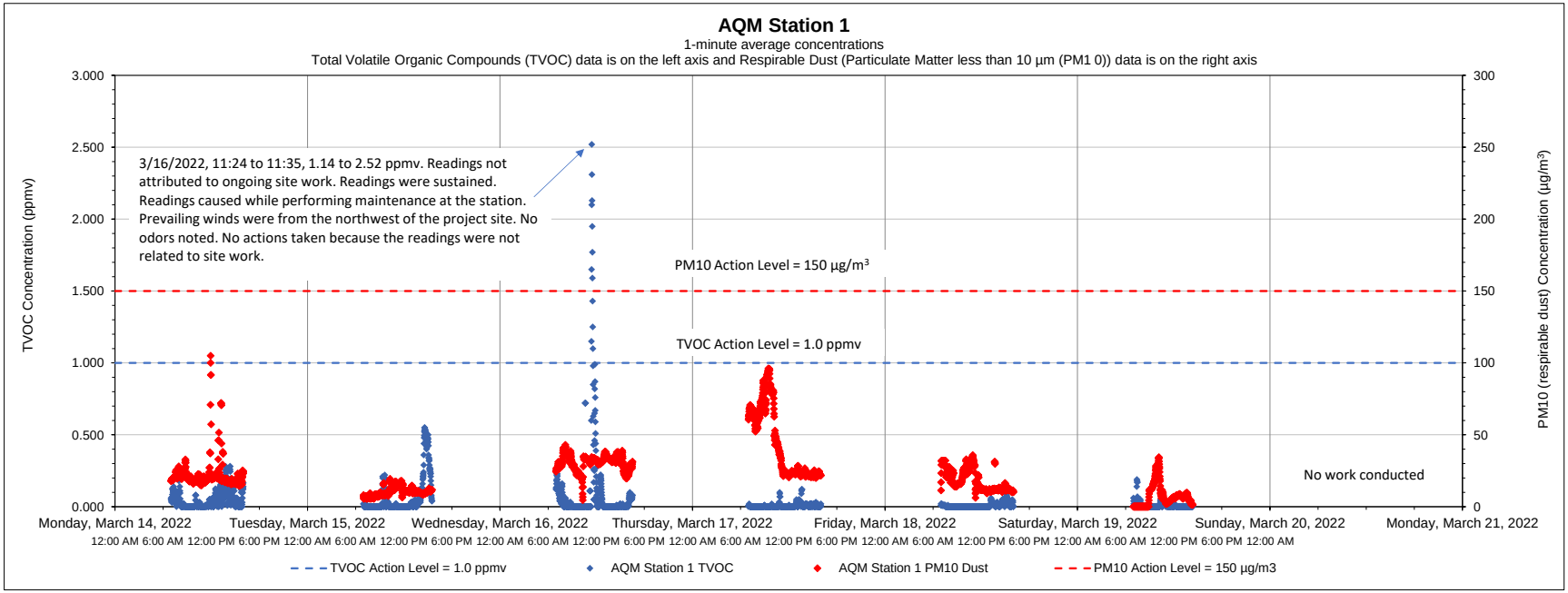

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
3/16/2022	11:24 to 11:35	TVOC	1.14 to 2.52 ppmv	No action taken because readings were not related to site work.
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	2.52	ppm
TVOCs action level	1	ppm
PM10 average concentration	22.20	µg/m³
PM10 maximum concentration	105.04	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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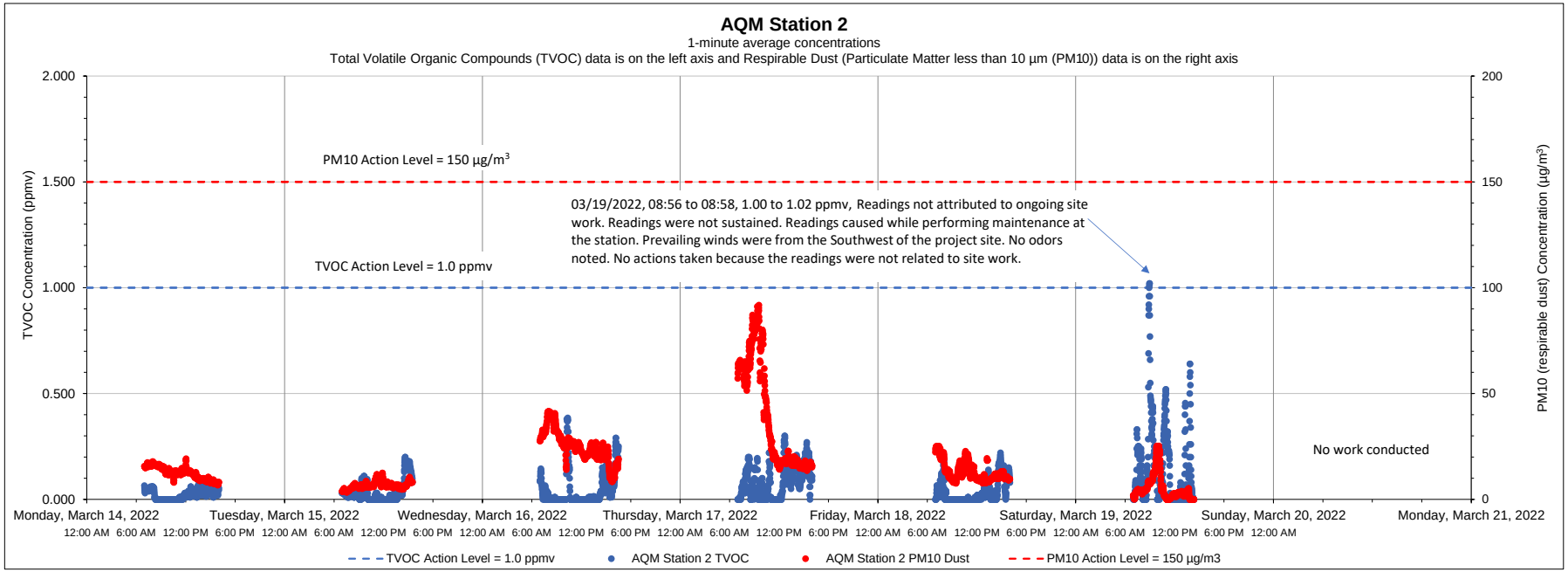

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.02	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.26	µg/m³
PM10 maximum concentration	91.77	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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STRAP Perimeter Air Quality Monitoring (AQM)

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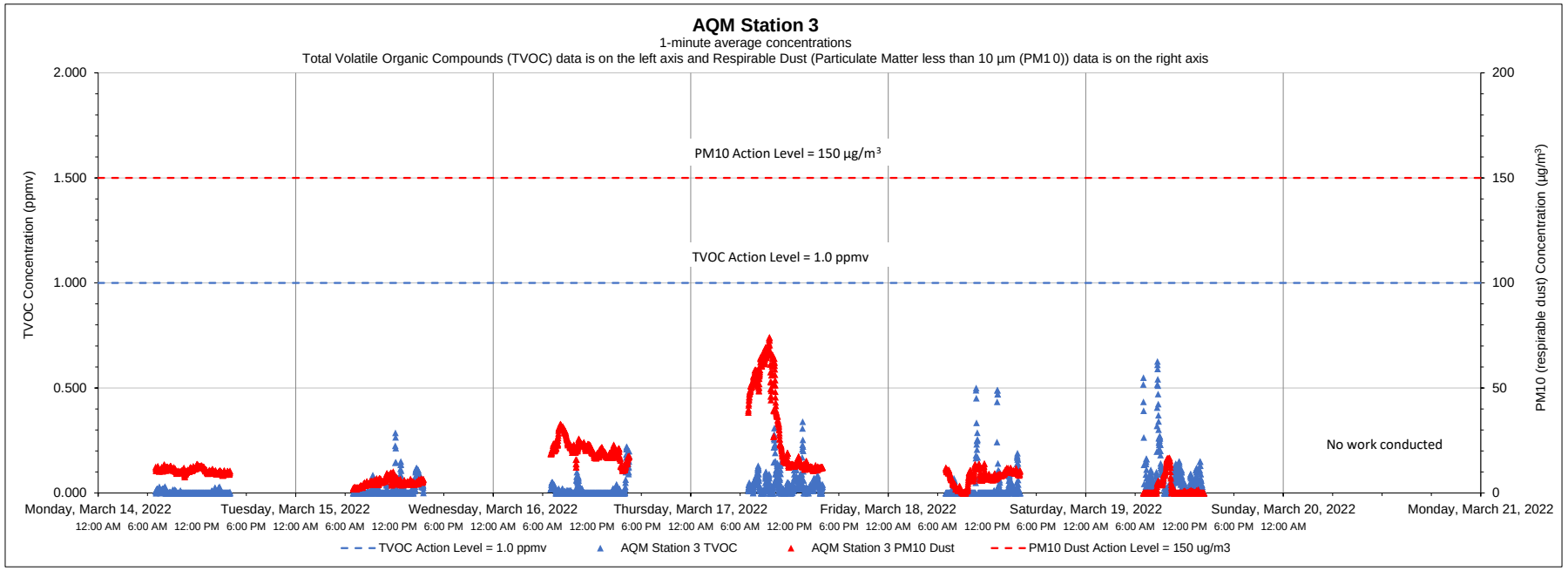

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.63	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.41	µg/m³
PM10 maximum concentration	74.07	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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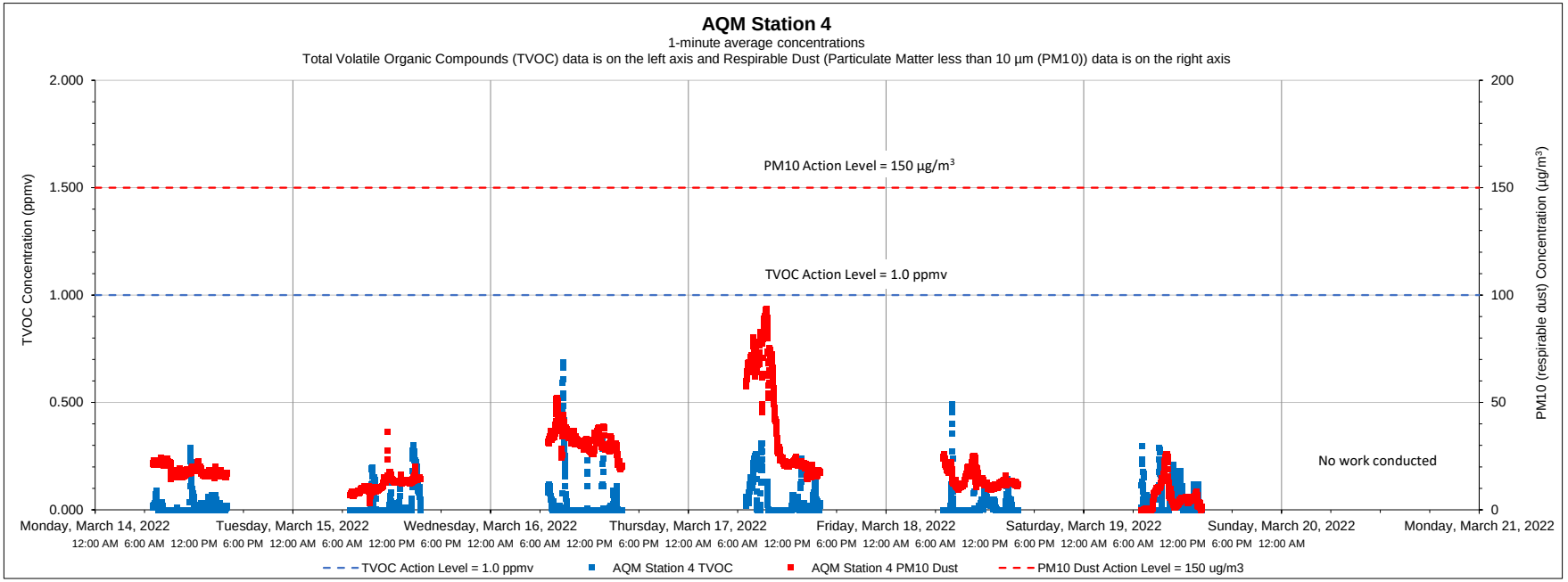

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.69	ppm
TVOCs action level	1	ppm
PM10 average concentration	21.03	µg/m^3
PM10 maximum concentration	93.41	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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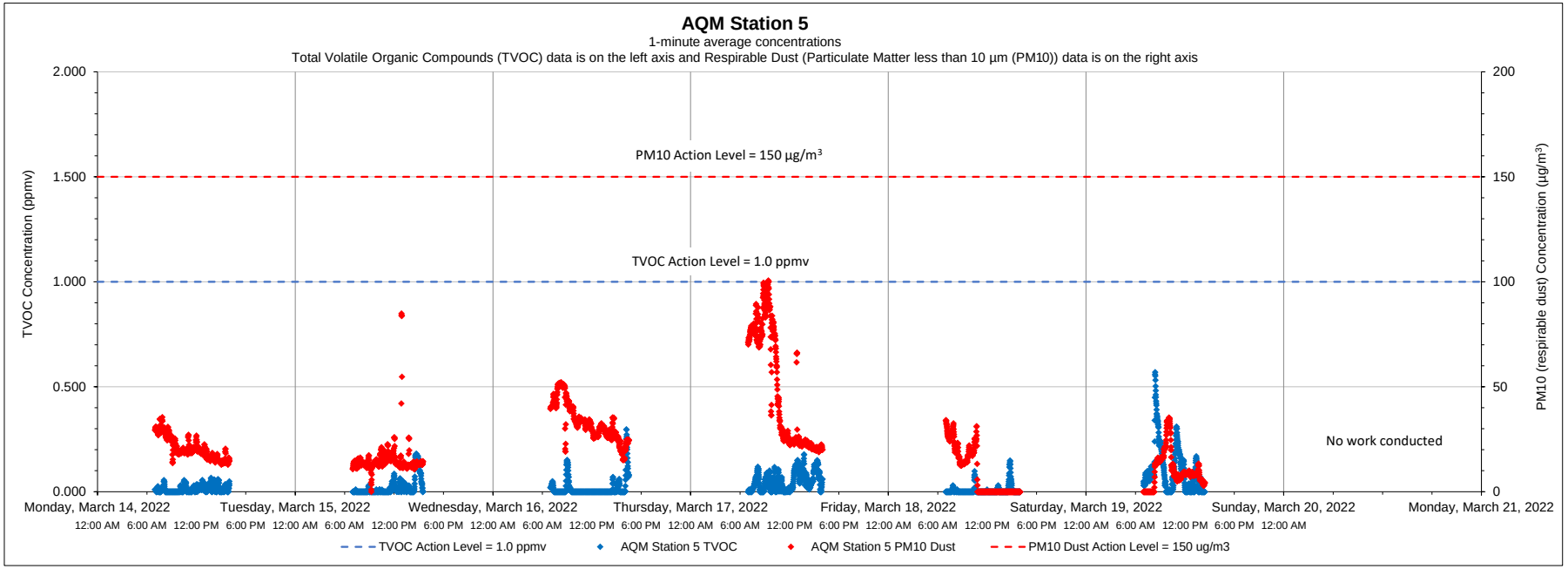

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.57	ppm
TVOCs action level	1	ppm
PM10 average concentration	22.70	µg/m^3
PM10 maximum concentration	100.56	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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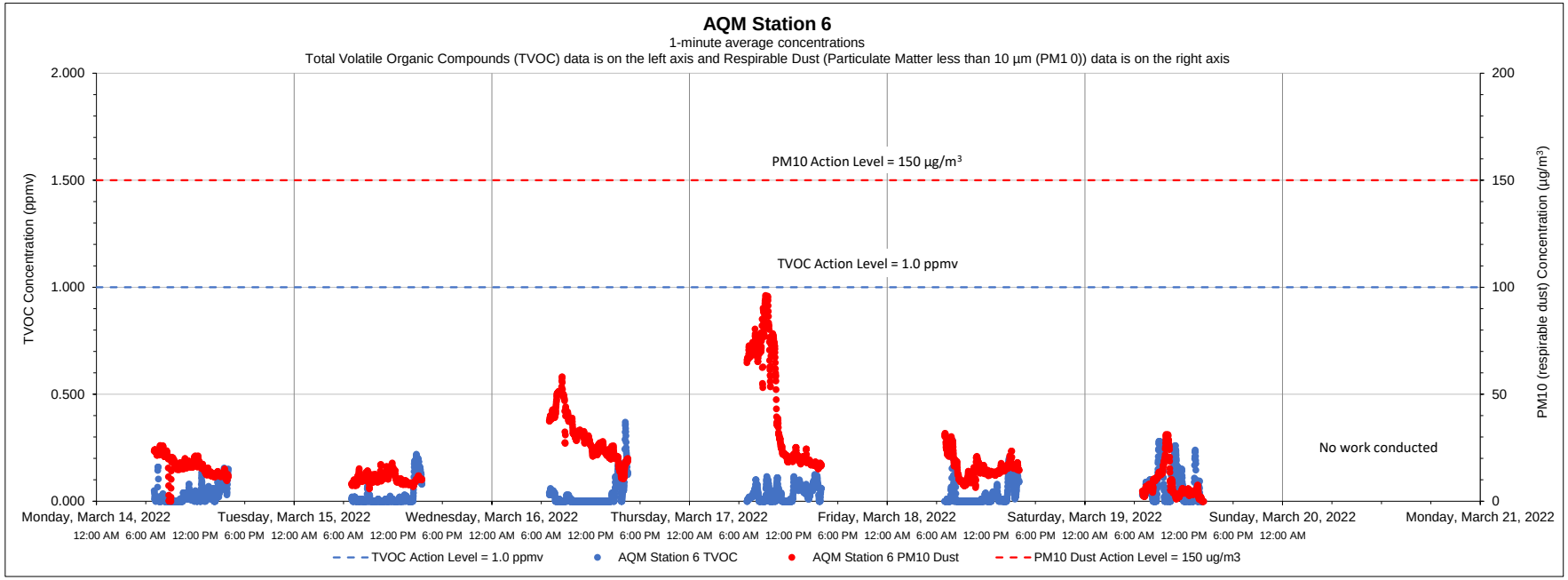

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.37	ppm
TVOCs action level	1	ppm
PM10 average concentration	20.82	µg/m^3
PM10 maximum concentration	96.17	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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03/28/2022

Liquefaction Facility Project -

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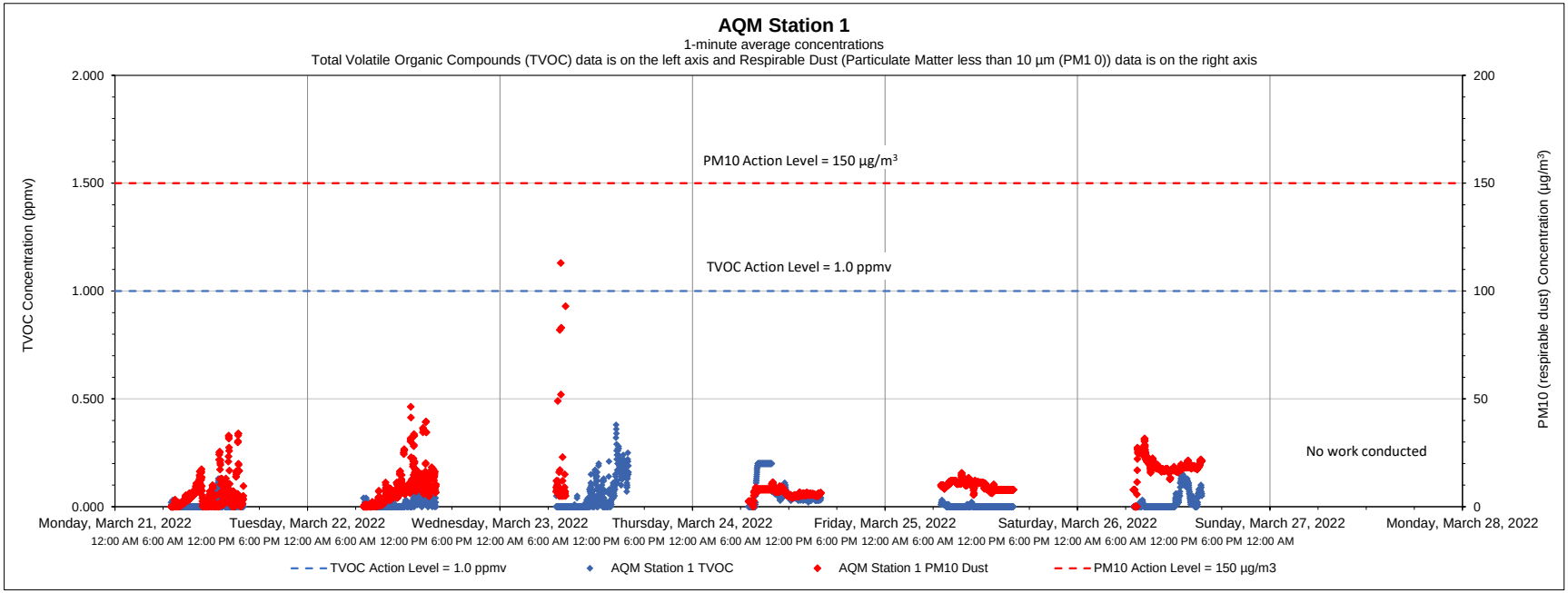

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
Station 1 was down from 8:11 to 16:01 due to human error. TVOCs and respirable dust readings from all other stations and the work zone were less than action levels.				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.38	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.49	µg/m^3
PM10 maximum concentration	113.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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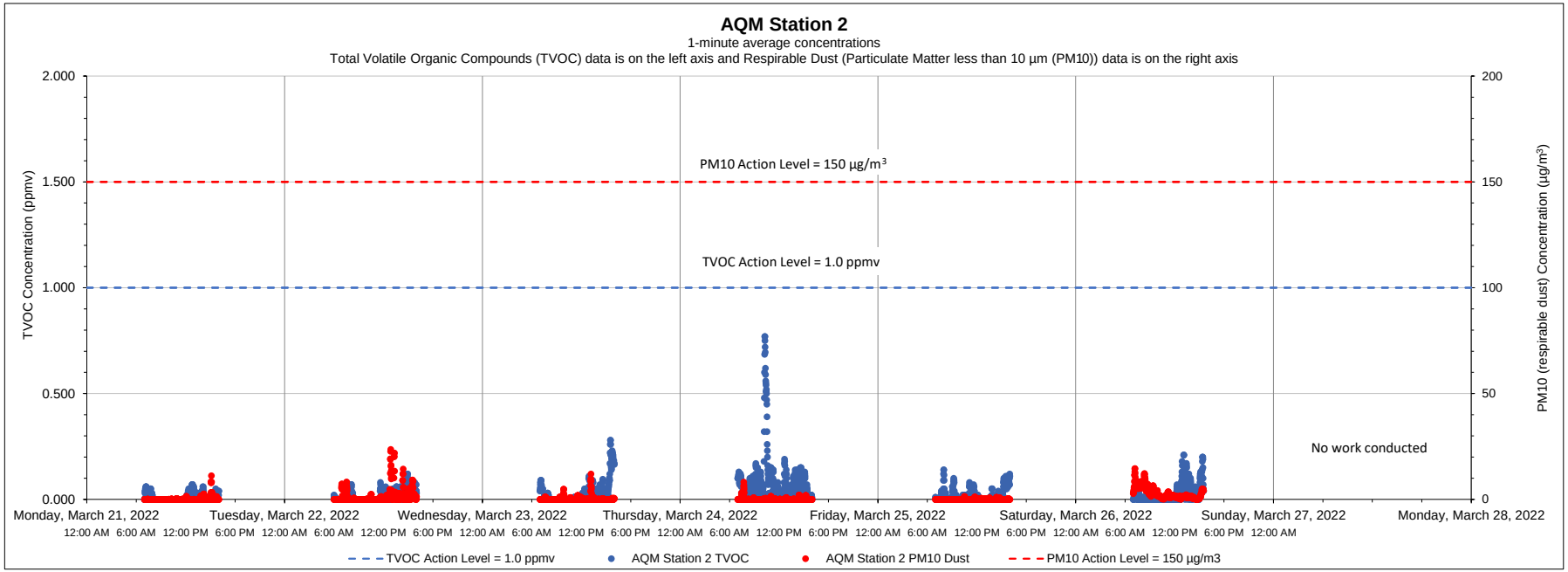

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.77	ppm
TVOCs action level	1	ppm
PM10 average concentration	0.80	µg/m³
PM10 maximum concentration	23.62	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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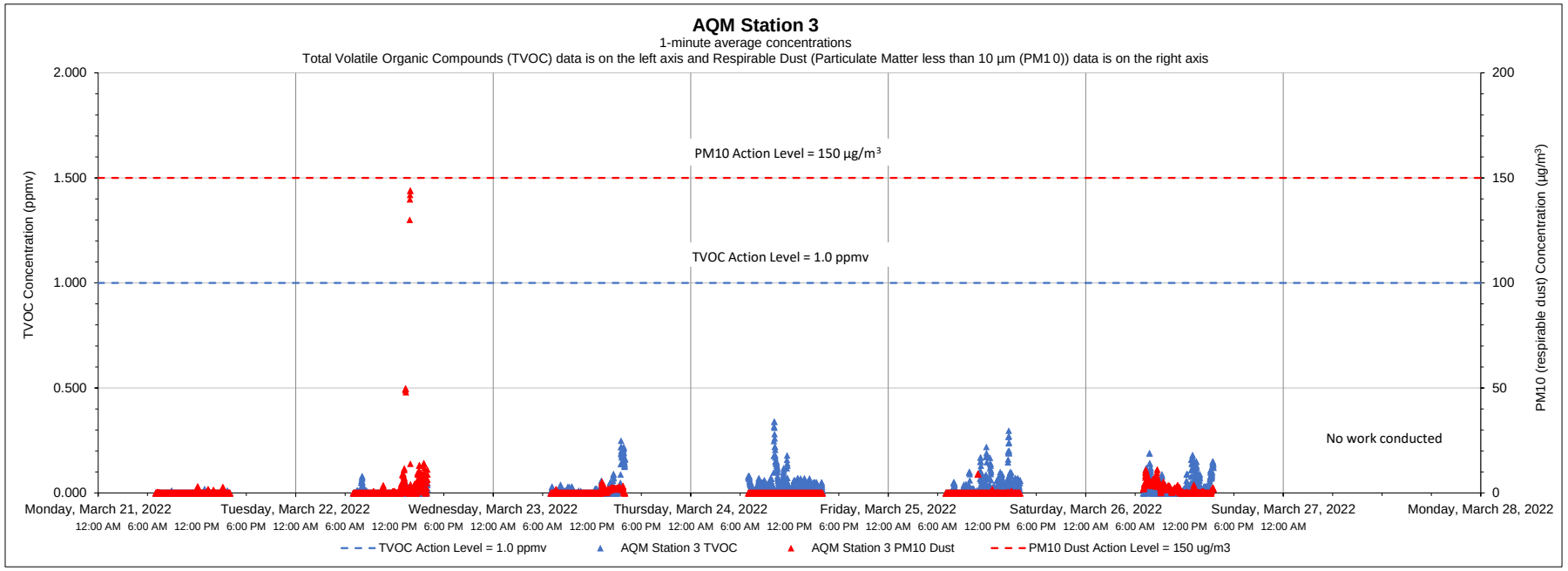

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.34	ppm
TVOCs action level	1	ppm
PM10 average concentration	1.00	µg/m³
PM10 maximum concentration	144.02	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

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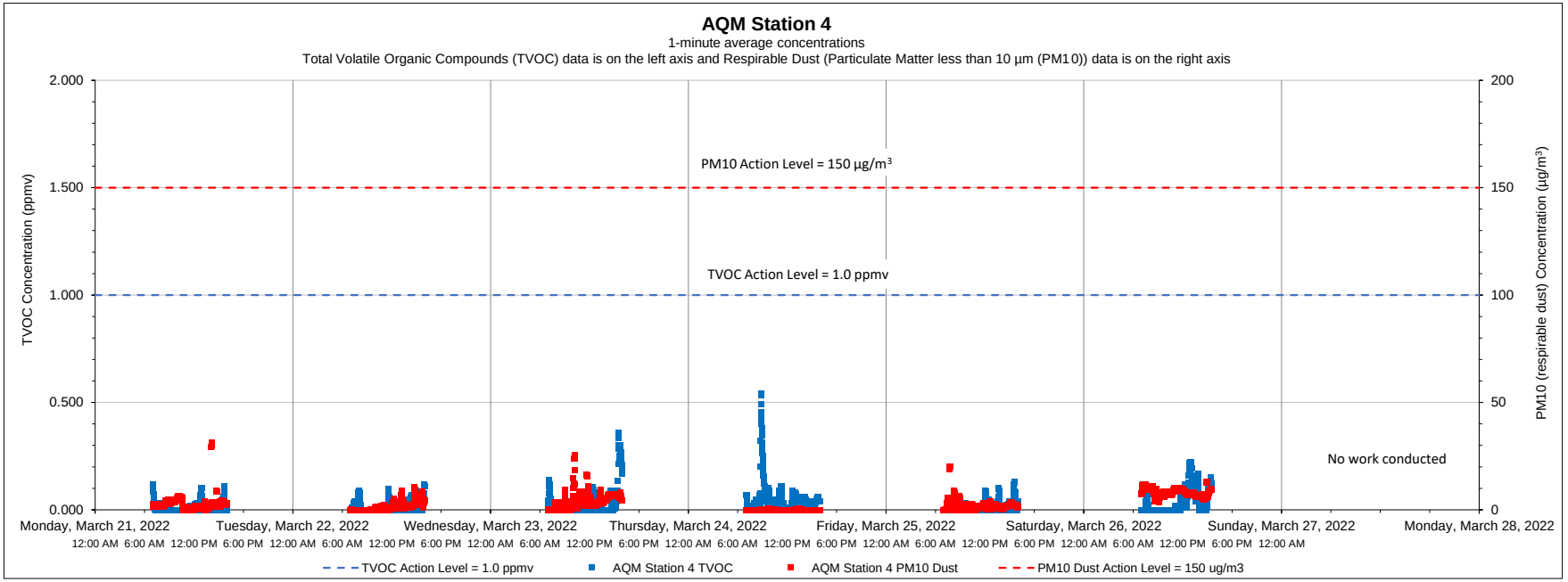

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.54	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.82	µg/m^3
PM10 maximum concentration	31.27	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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Prepared by GZA on behalf of National Grid LNG LLC

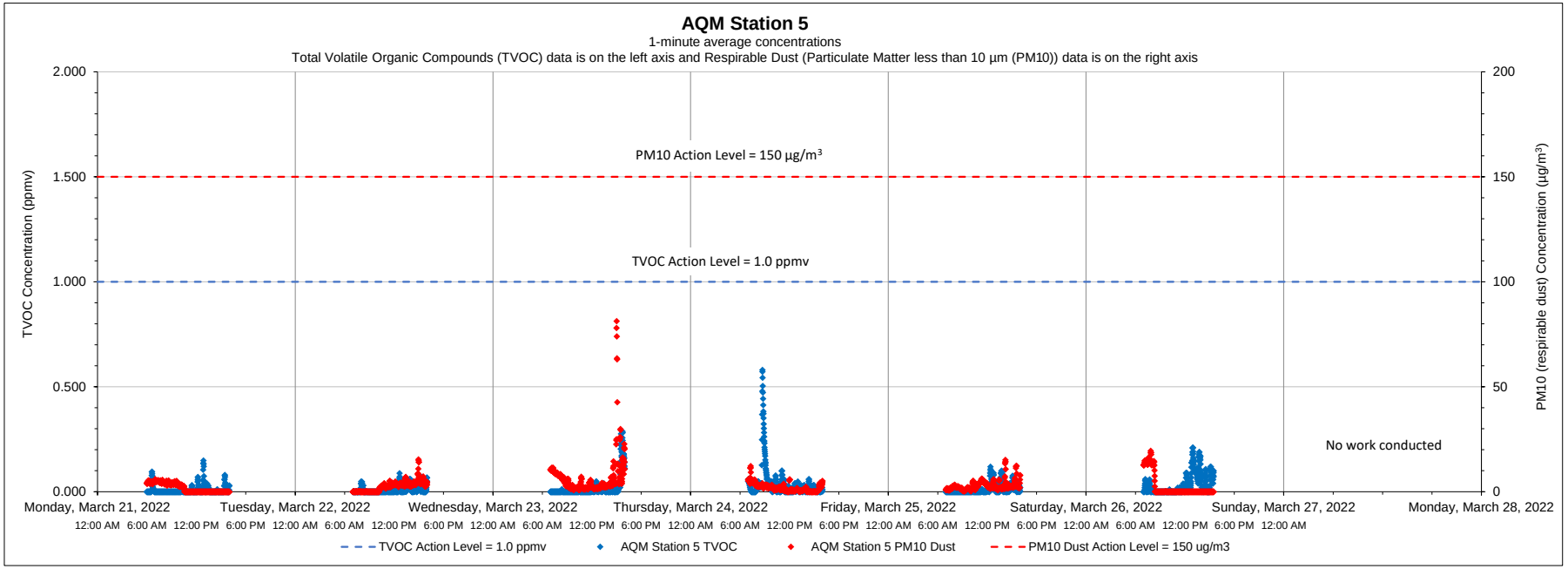
GZA Job No. 03.0033554.04

Liquefaction Facility Project -

03/28/2022

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.58	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.77	µg/m^3
PM10 maximum concentration	81.31	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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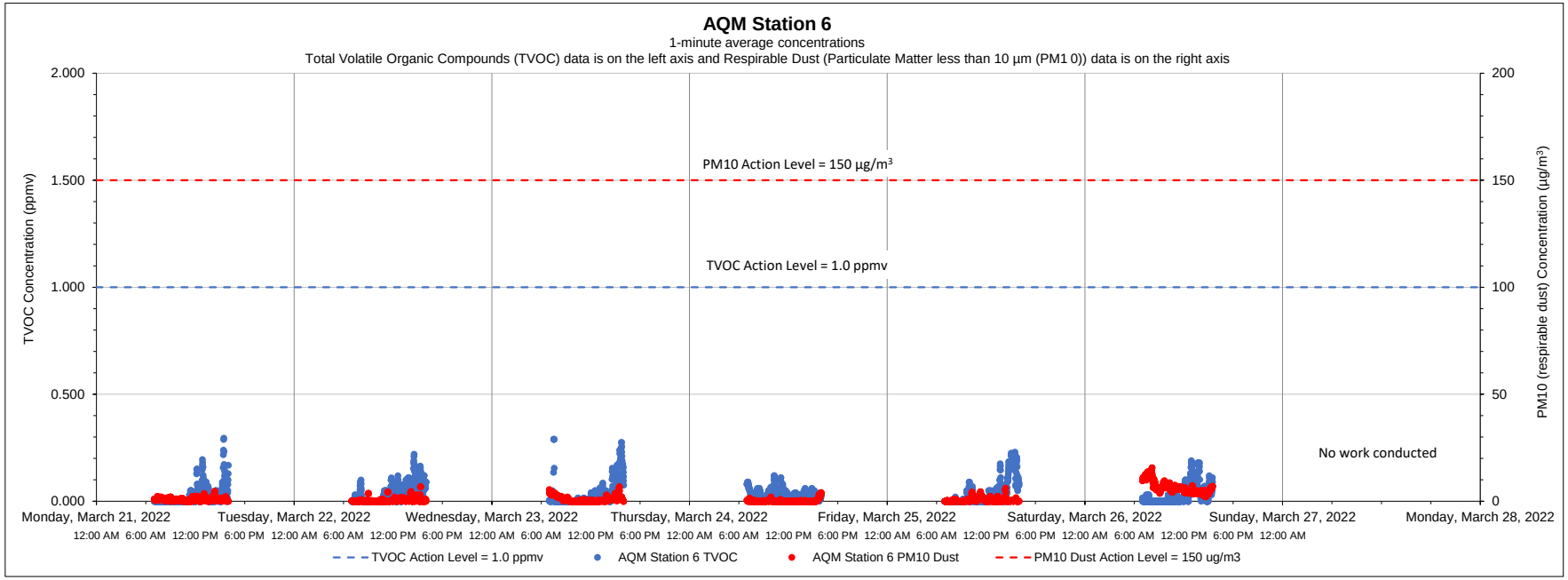

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.29	ppm
TVOCs action level	1	ppm
PM10 average concentration	1.53	µg/m³
PM10 maximum concentration	15.71	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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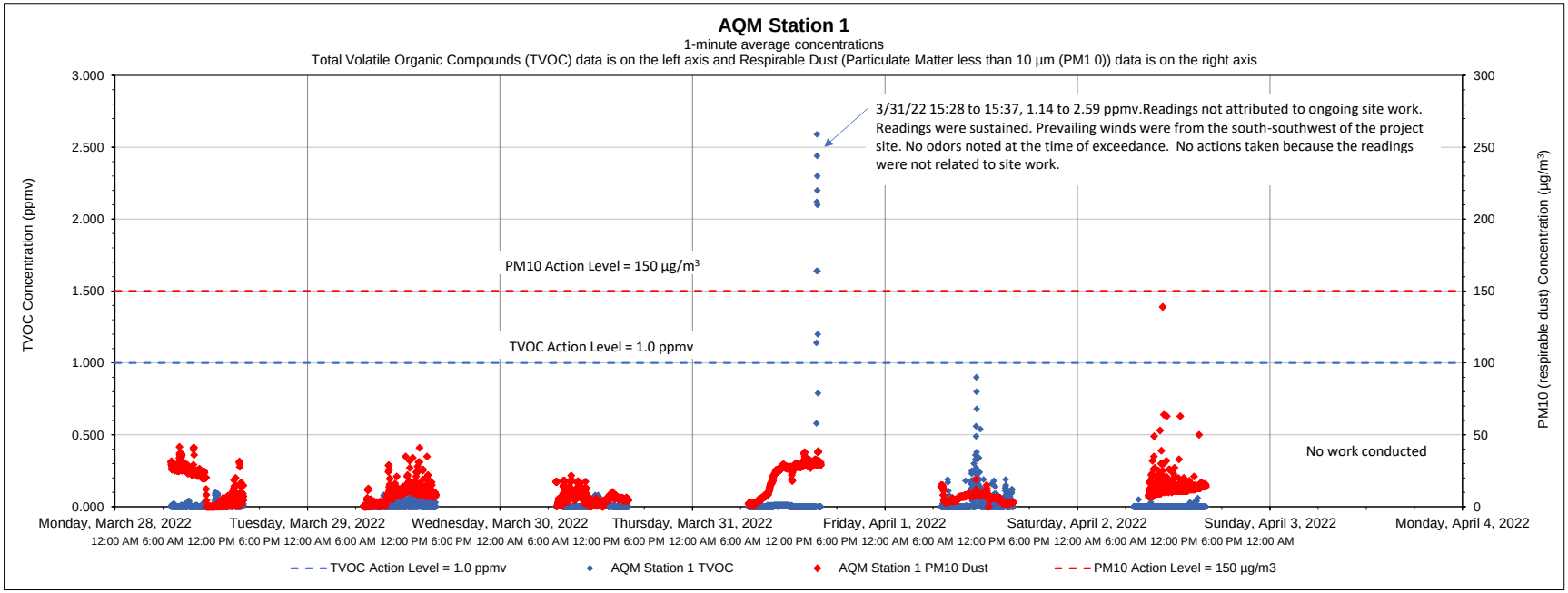

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
3/31/2022	15:28 to 15:37	TVOC	1.14 to 2.59 ppmv	No actions taken because readings not related to site work.
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	2.59	ppm
TVOCs action level	1	ppm
PM10 average concentration	11.61	µg/m³
PM10 maximum concentration	139.00	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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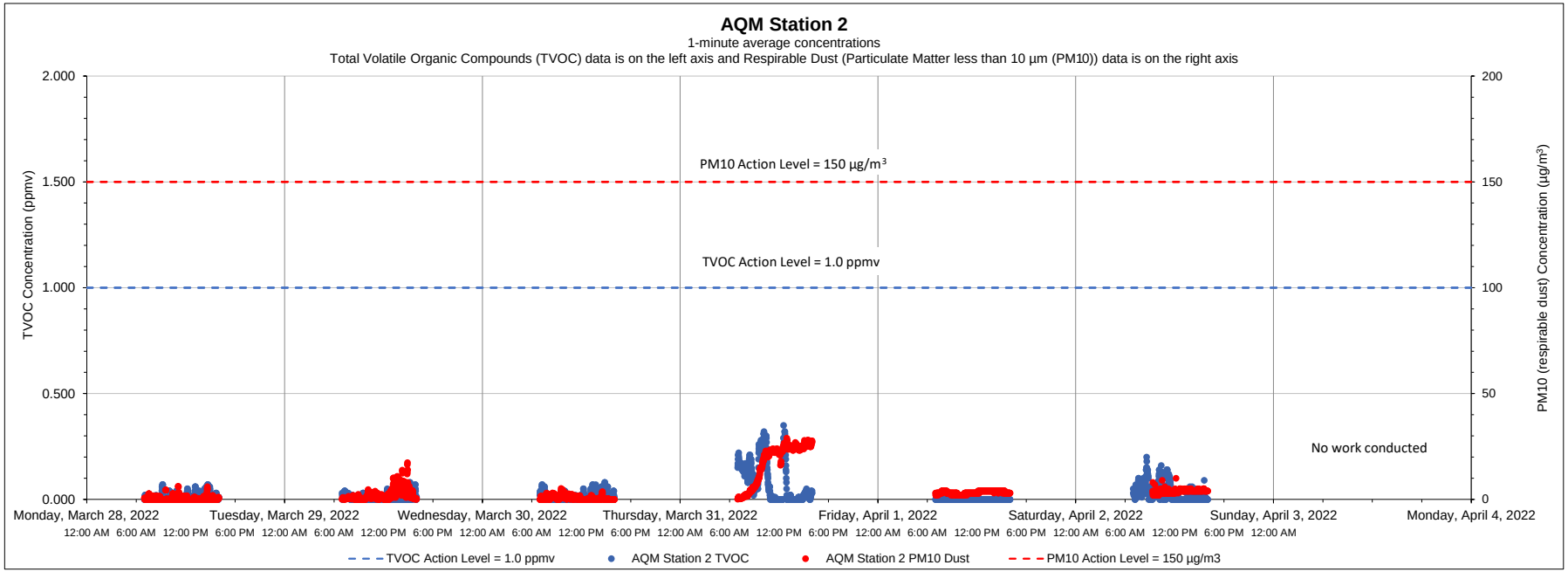

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.35	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.68	µg/m³
PM10 maximum concentration	28.96	µg/m³
PM10 action level	150	µg/m³

Notes:

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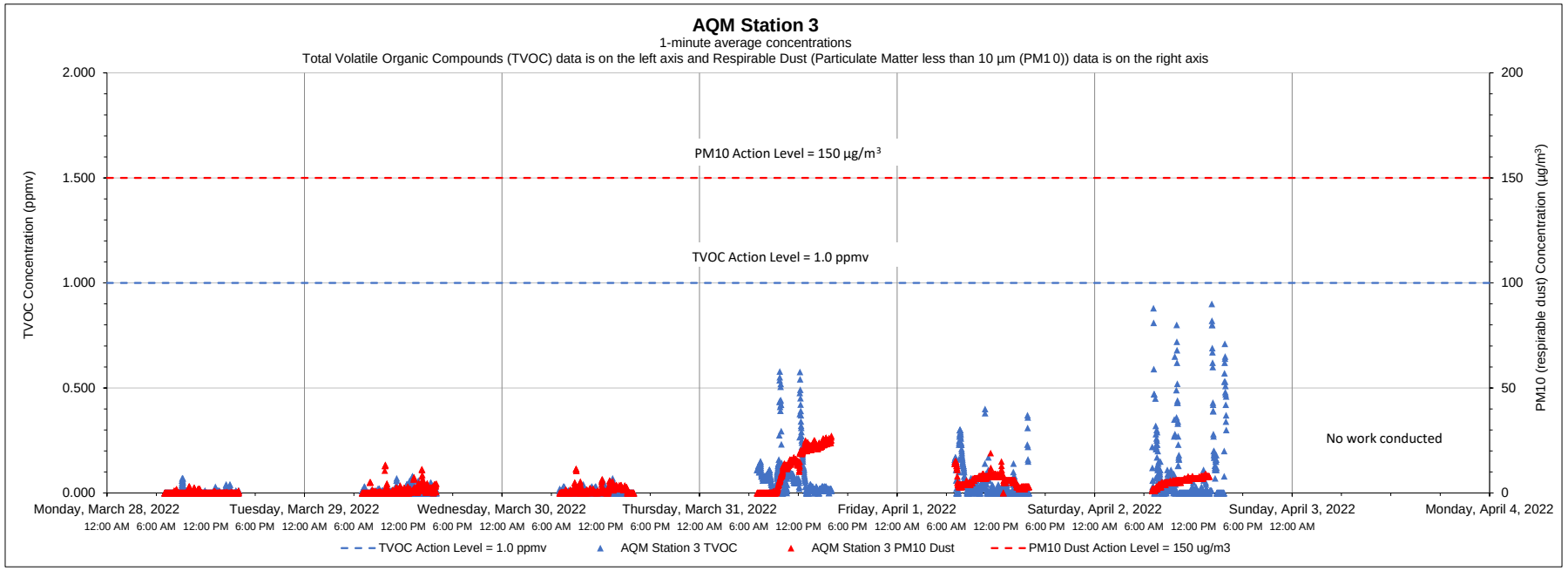

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.90	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.61	µg/m³
PM10 maximum concentration	27.20	µg/m³
PM10 action level	150	µg/m³

Notes:

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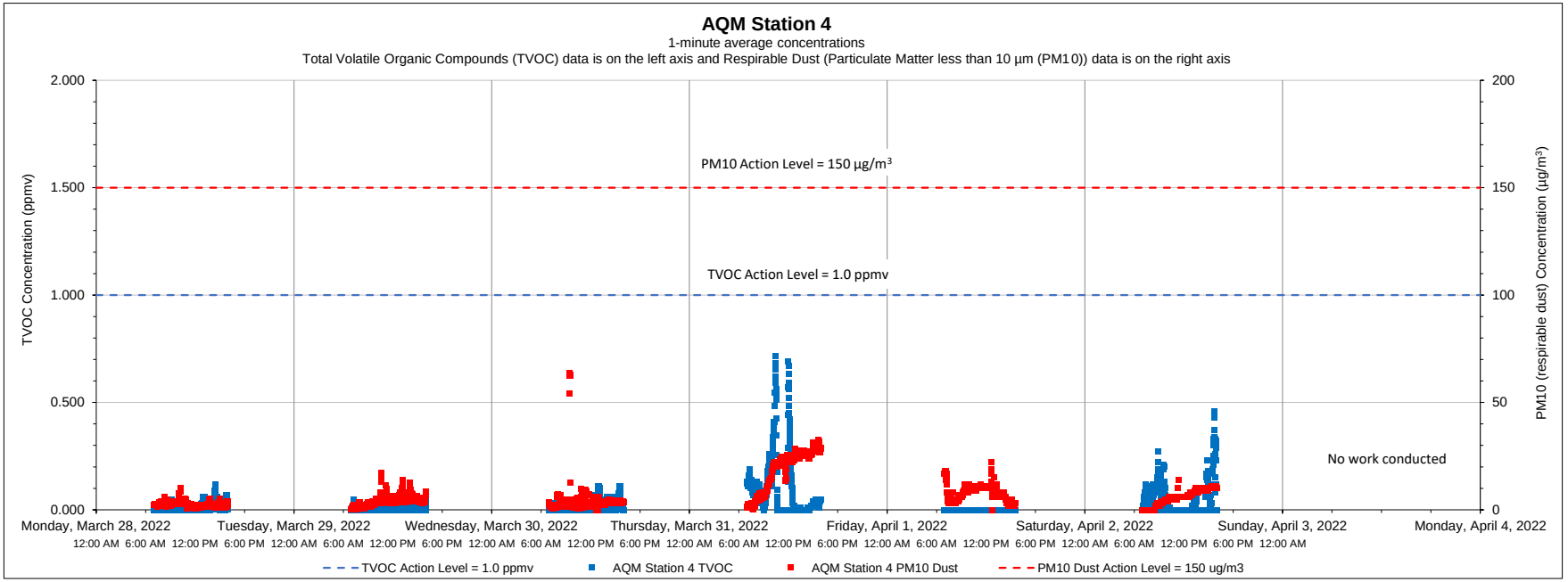

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.72	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.96	µg/m^3
PM10 maximum concentration	63.55	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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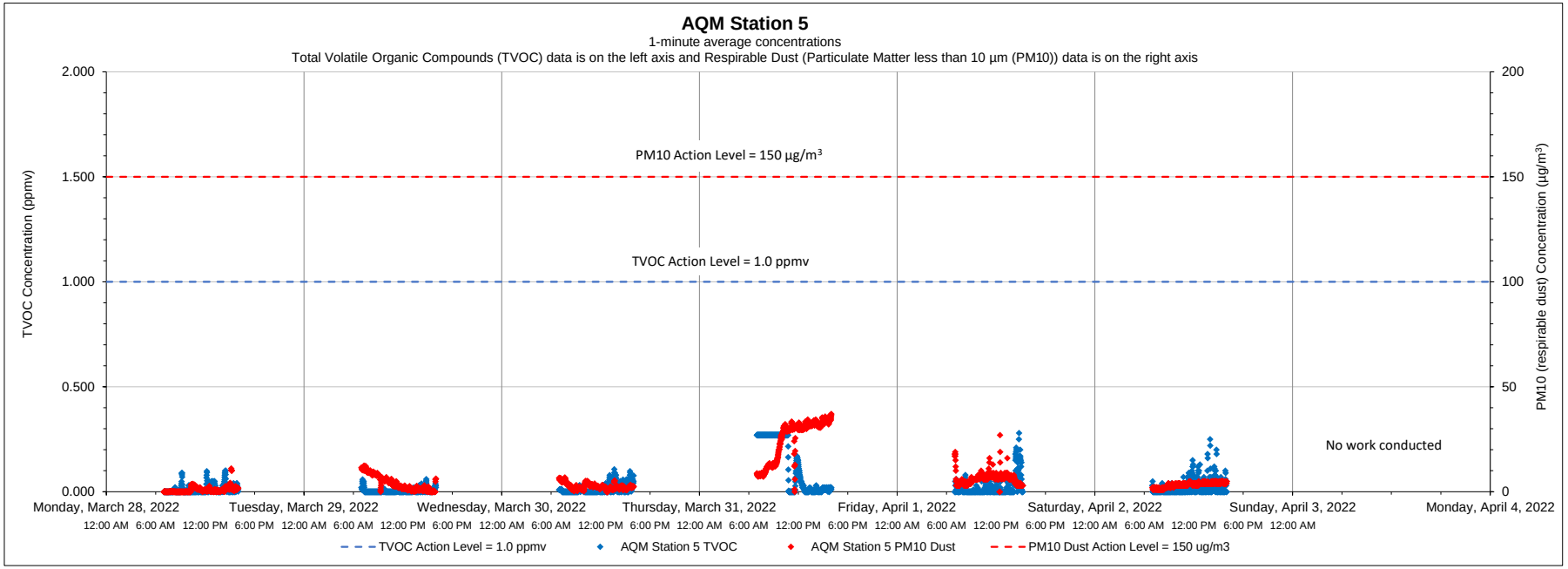

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.28	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.02	µg/m^3
PM10 maximum concentration	37.06	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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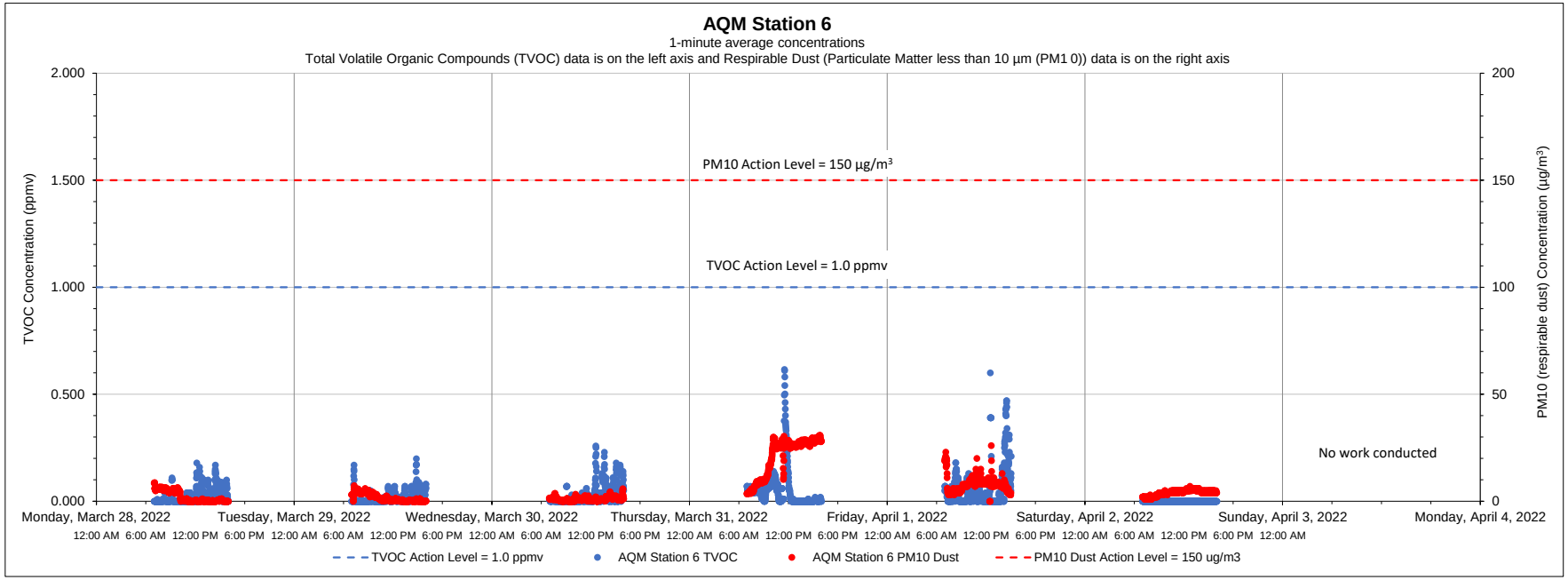

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.62	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.22	µg/m^3
PM10 maximum concentration	30.84	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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04/11/2022

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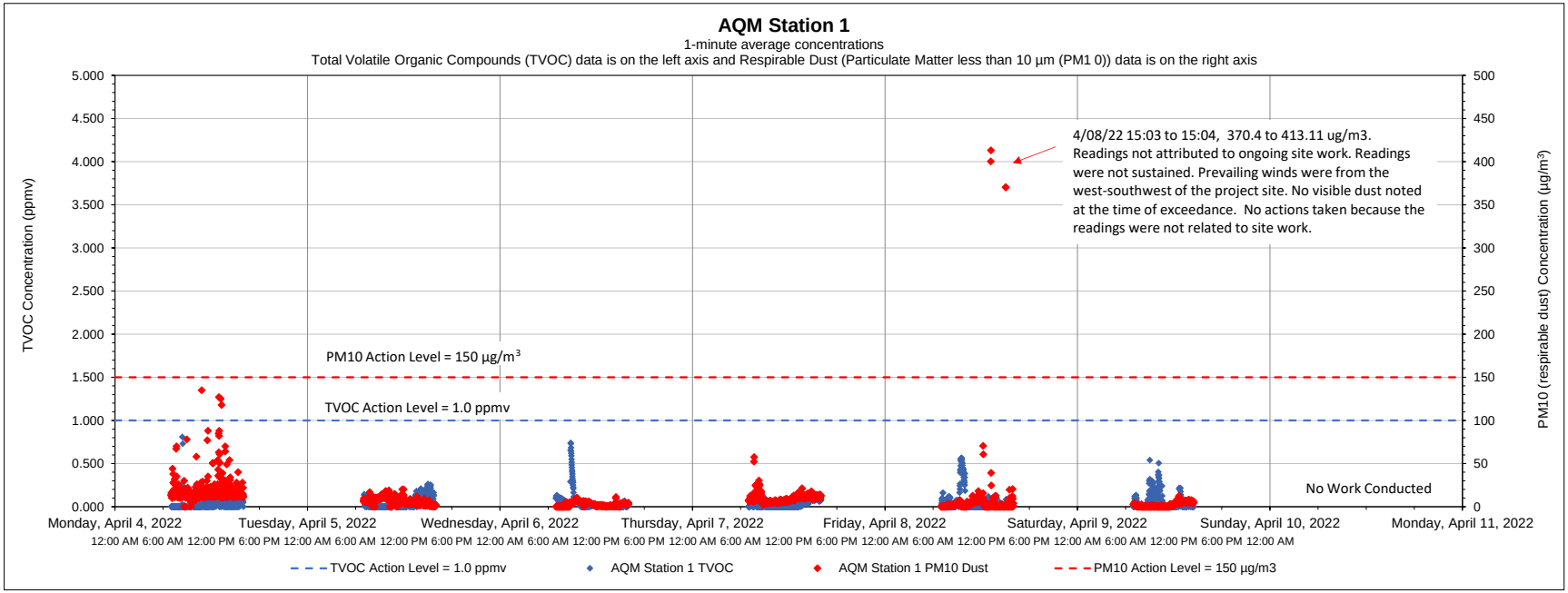

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.81	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.41	µg/m^3
PM10 maximum concentration	413.11	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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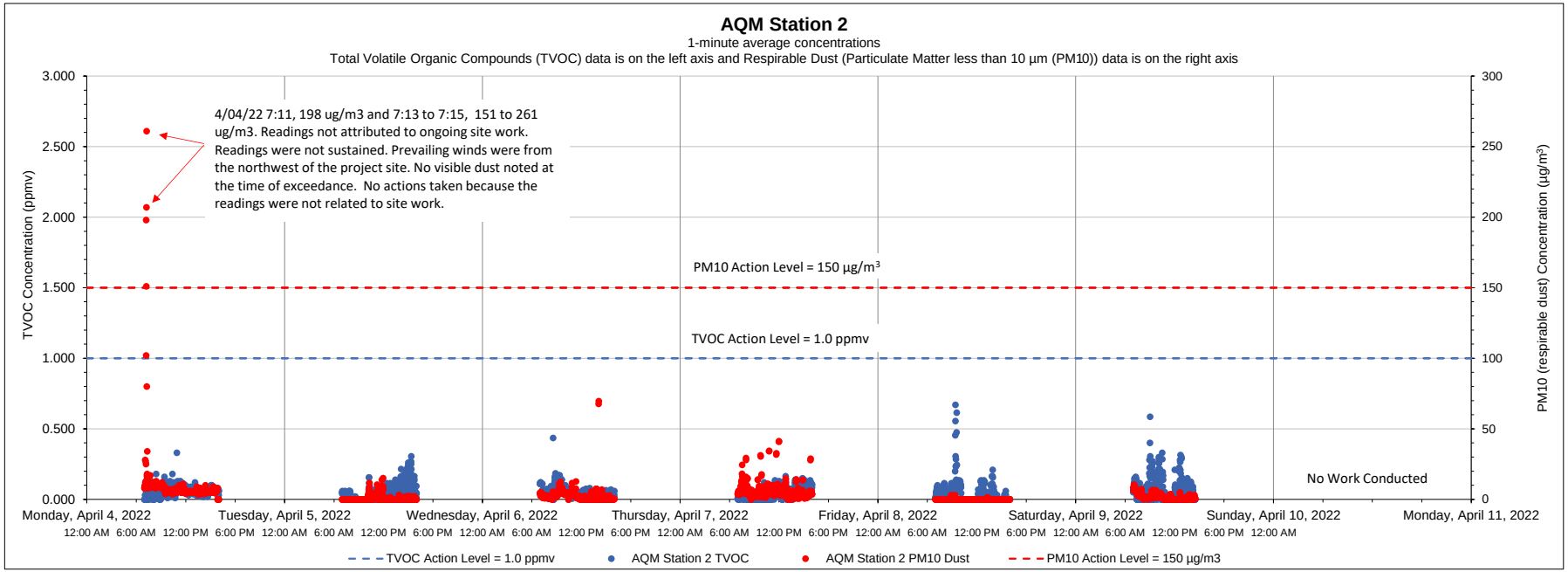

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.67	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.23	µg/m³
PM10 maximum concentration	261.00	µg/m³
PM10 action level	150	µg/m³

Notes:

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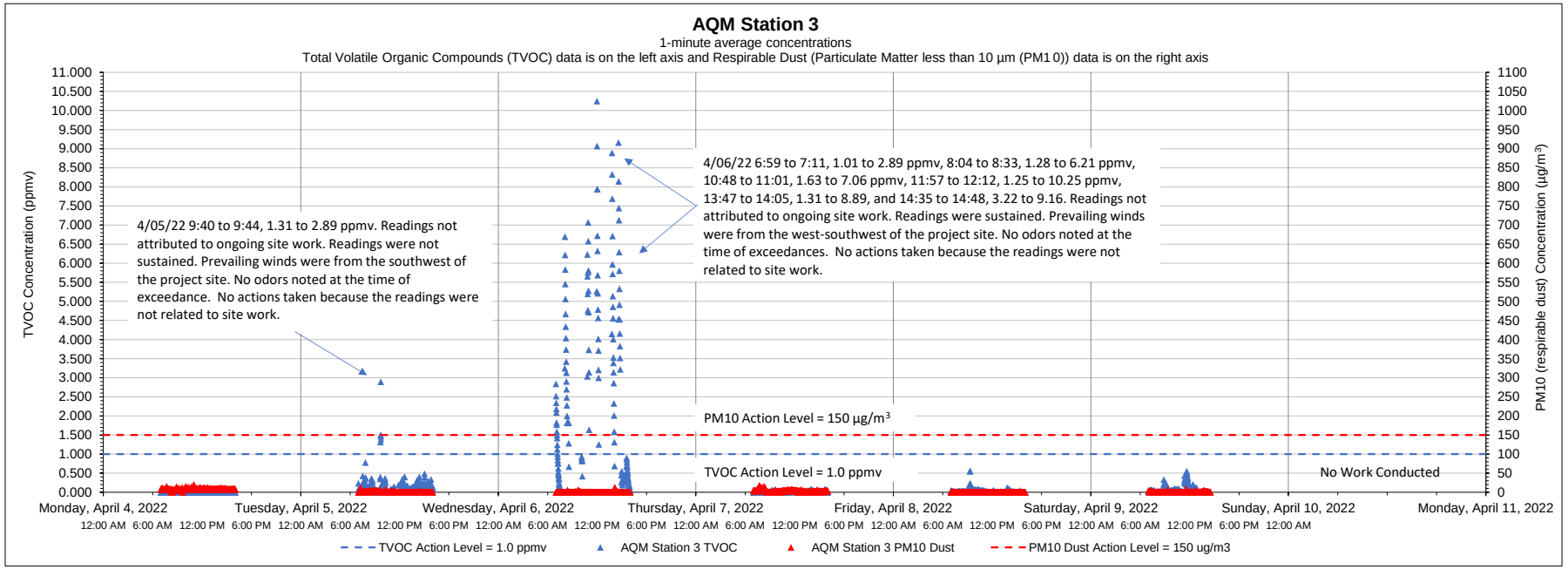

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
4/6/2022	6:59 t 7:11	TVOC	1.01 to 2.89 ppmv	No actions taken because readings not related to site work.
4/6/2022	8:04 to 8:33	TVOC	1.28 to 6.21 ppmv	No actions taken because readings not related to site work.
4/6/2022	10:48 to 11:01	TVOC	1.63 to 7.06 ppmv	No actions taken because readings not related to site work.
4/6/2022	11:57 to 12:12	TVOC	1.25 to 10.25 ppmv	No actions taken because readings not related to site work.
4/6/2022	13:47 to 14:05	TVOC	1.31 to 8.89 ppmv	No actions taken because readings not related to site work.
4/6/2022	14:35 to 14:48	TVOC	3.22 to 9.16 ppmv	No actions taken because readings not related to site work.
Equipment Notes				
Station 3 was experiencing equipment error from 6:59 to 14:48 on 4/6/22. TVOCs and respirable dust readings from all other stations and the work zone were less than action levels during this period.				
Based on the readings from other stations and observations onsite, these reading were equipment error.				

Data Summary Statistics		
TVOCs average concentration	0.18	ppm
TVOCs maximum concentration	10.25	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.26	µg/m^3
PM10 maximum concentration	21.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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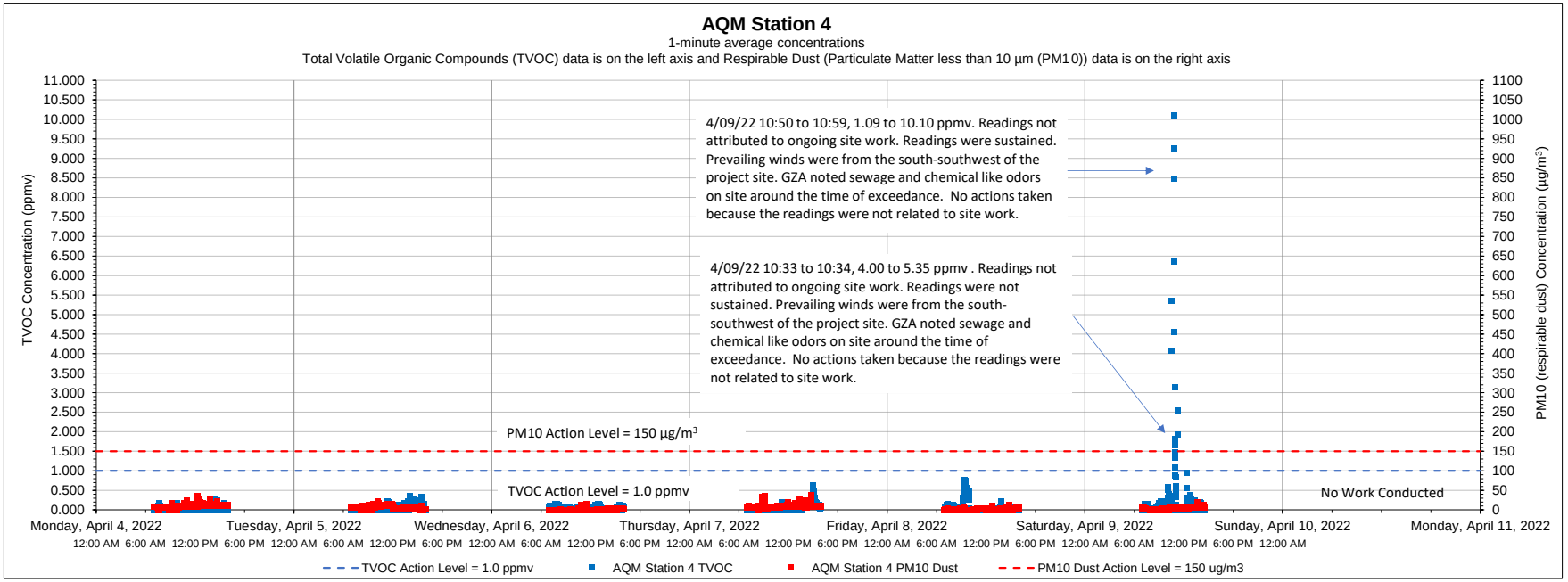

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
4/9/2022	10:50 to 10:59	TVOC	1.09-10.10 ppmv	No actions taken because readings were not related to site work
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	10.10	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.92	µg/m^3
PM10 maximum concentration	37.17	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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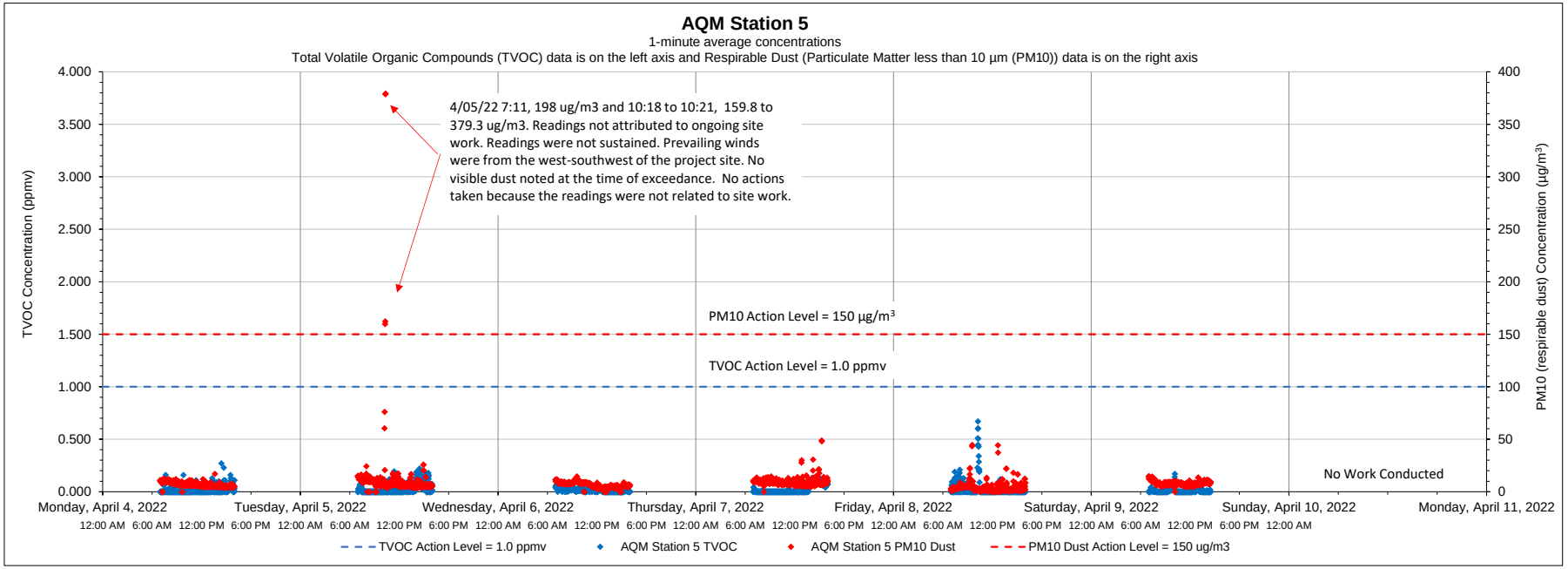

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.67	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.43	µg/m³
PM10 maximum concentration	379.36	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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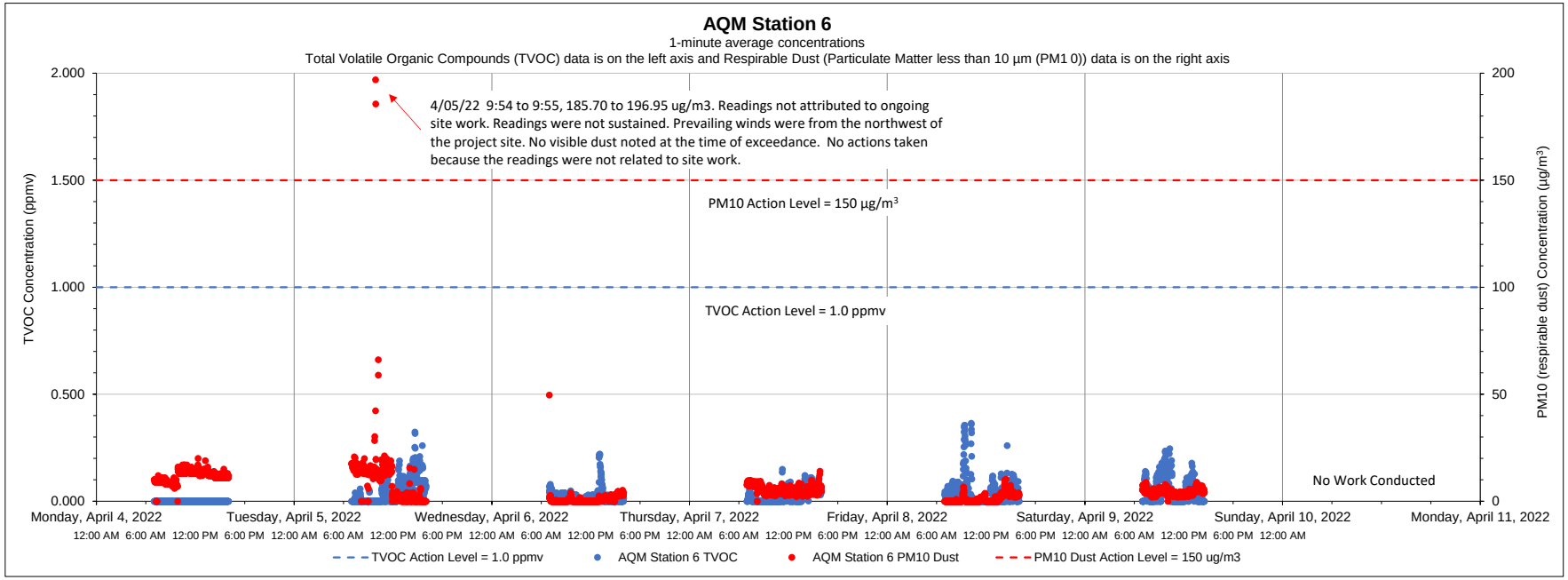

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.36	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.39	µg/m³
PM10 maximum concentration	196.95	µg/m³
PM10 action level	150	µg/m³

Notes:

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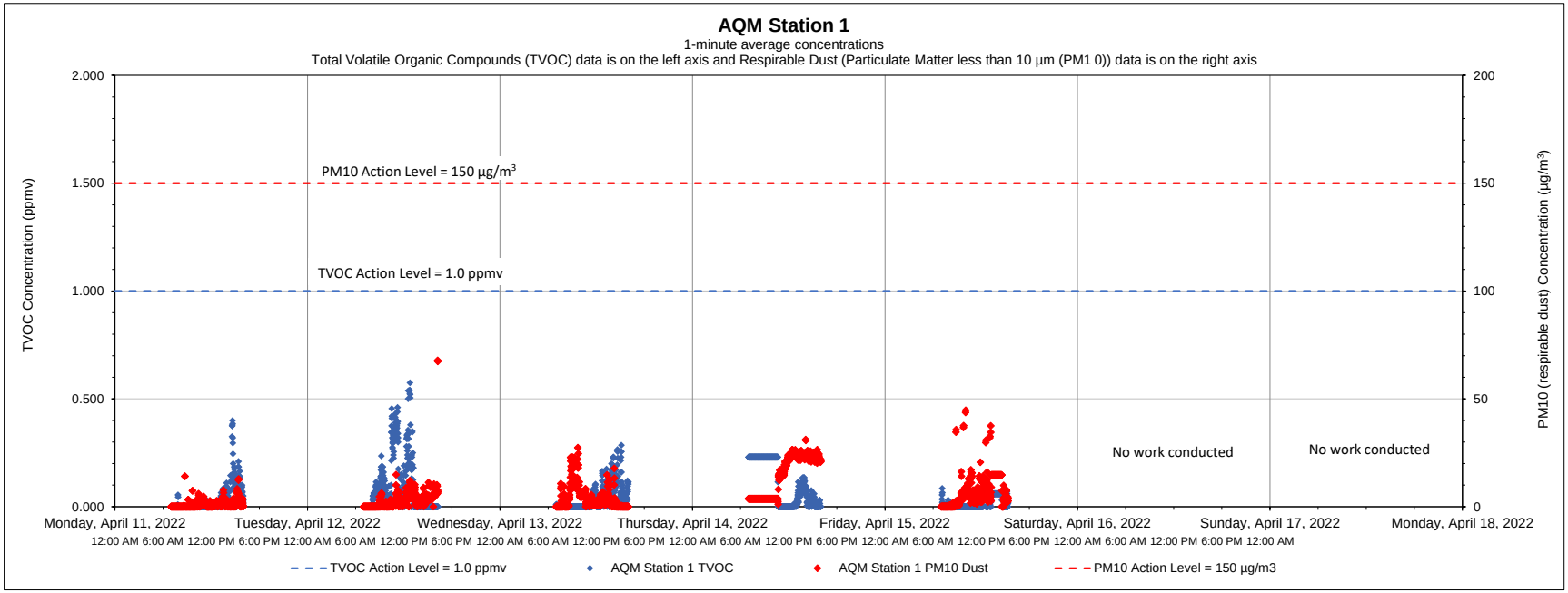

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.58	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.65	µg/m^3
PM10 maximum concentration	67.87	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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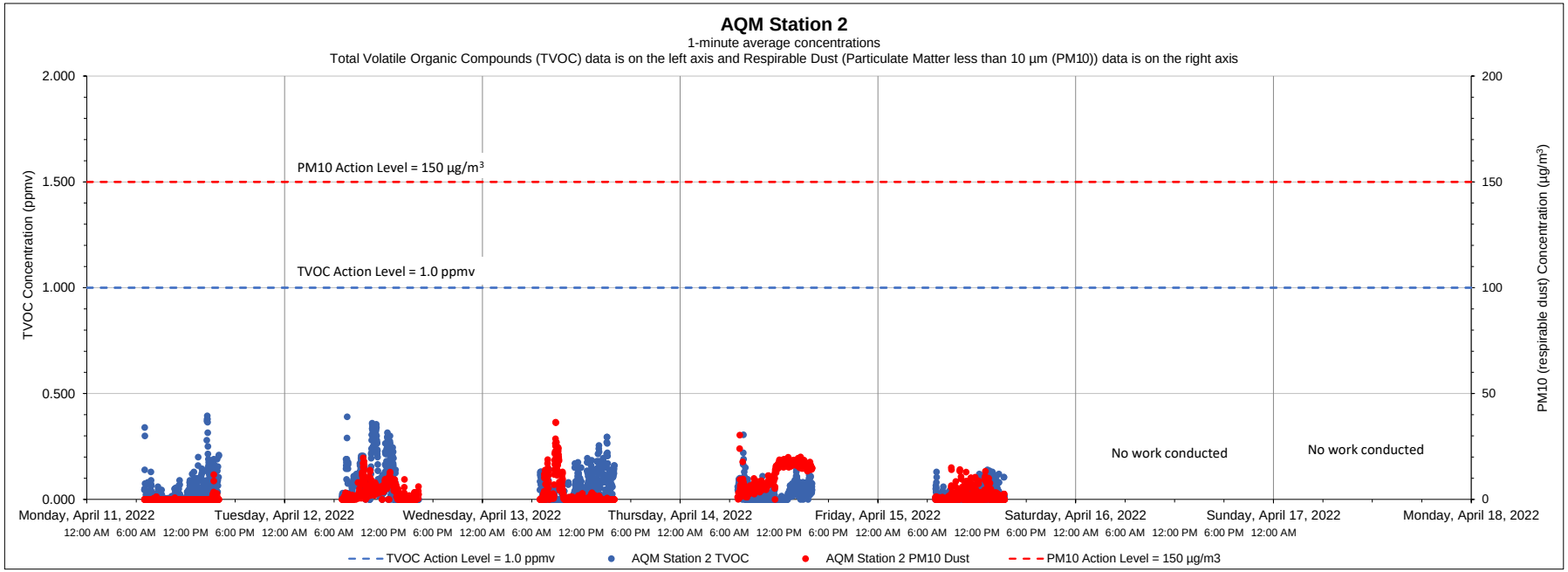

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.40	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.72	µg/m^3
PM10 maximum concentration	36.44	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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Prepared by GZA on behalf of National Grid LNG LLC

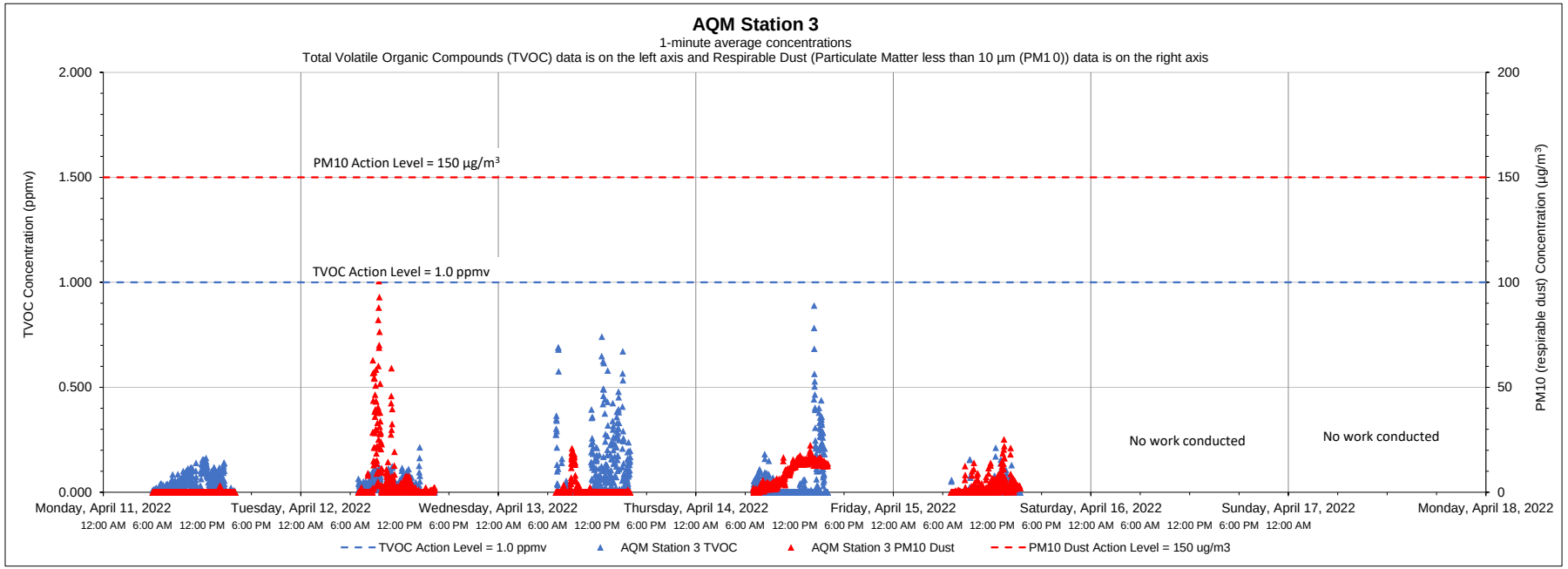
GZA Job No. 03.0033554.04

04/18/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				

Equipment Notes
None

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.89	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.64	µg/m^3
PM10 maximum concentration	100.66	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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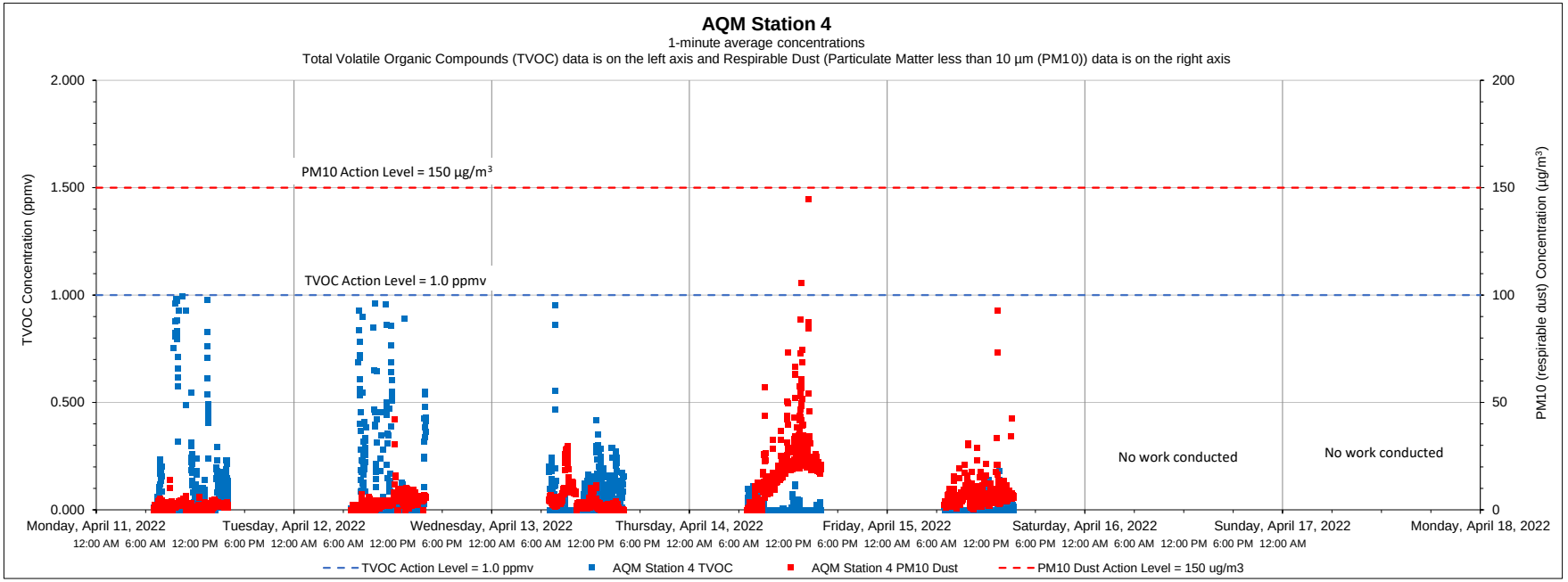

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.99	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.78	µg/m^3
PM10 maximum concentration	144.59	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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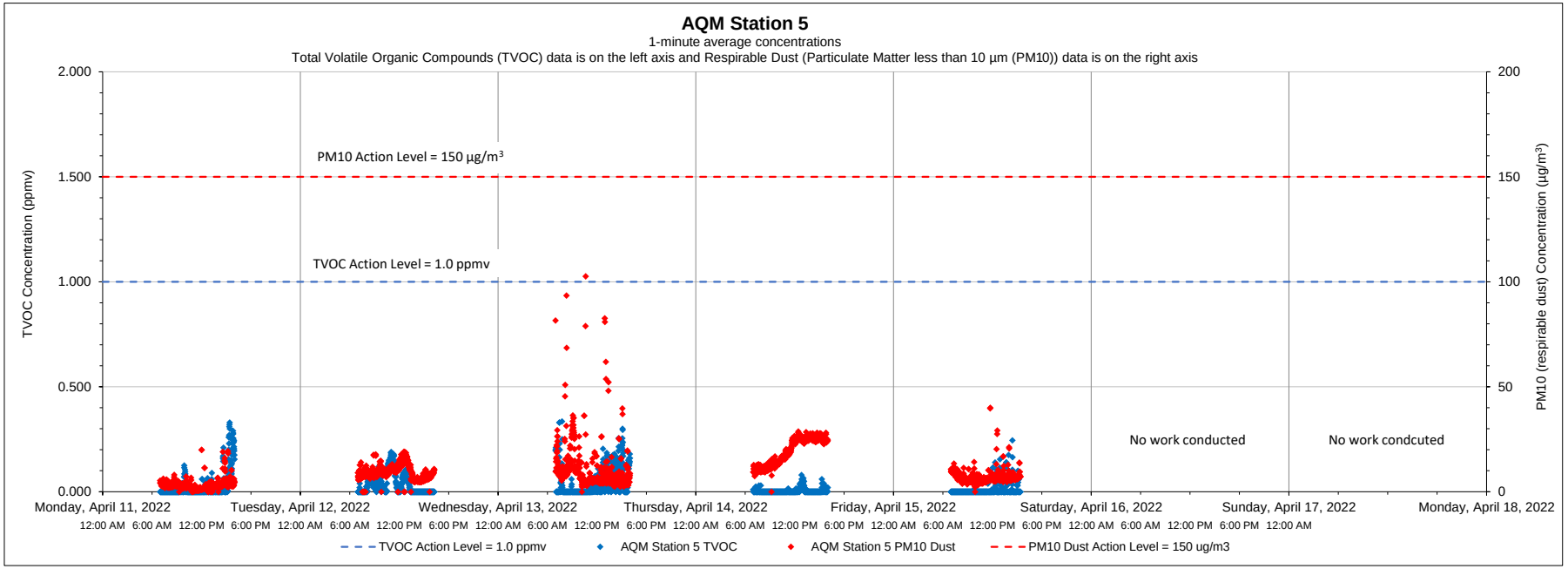

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.34	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.96	µg/m^3
PM10 maximum concentration	102.65	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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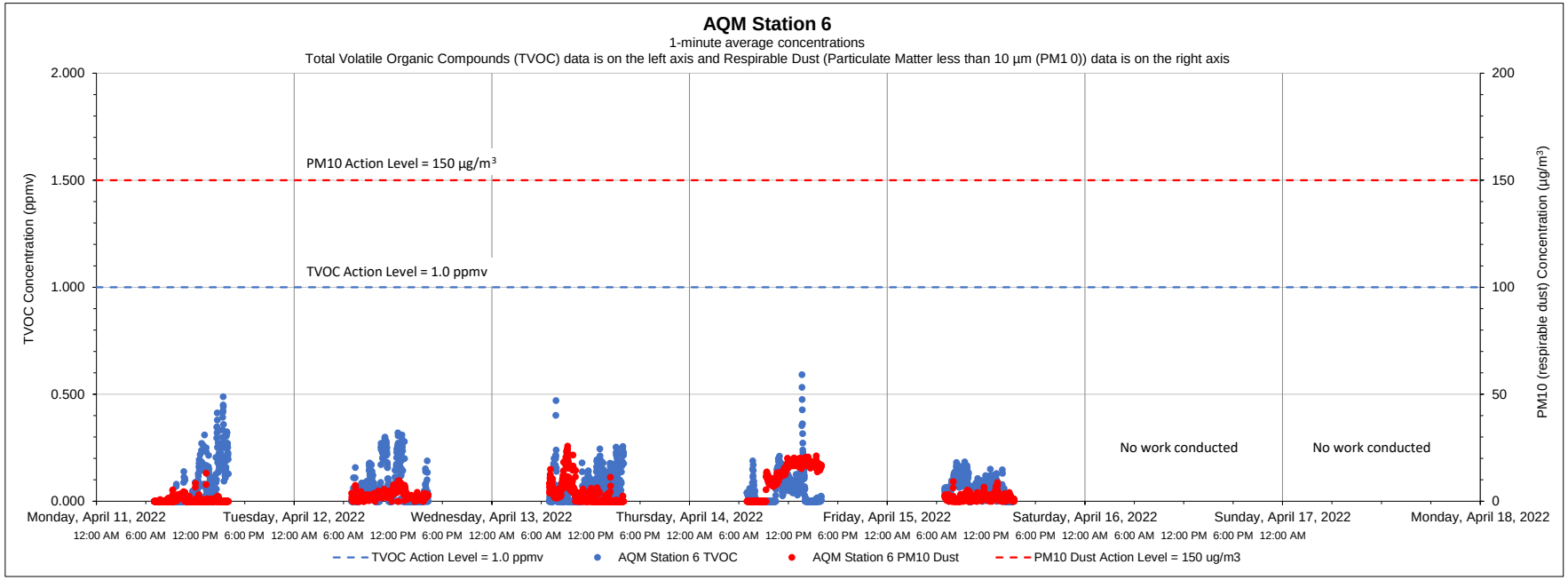

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.59	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.90	µg/m³
PM10 maximum concentration	25.77	µg/m³
PM10 action level	150	µg/m³

Notes:

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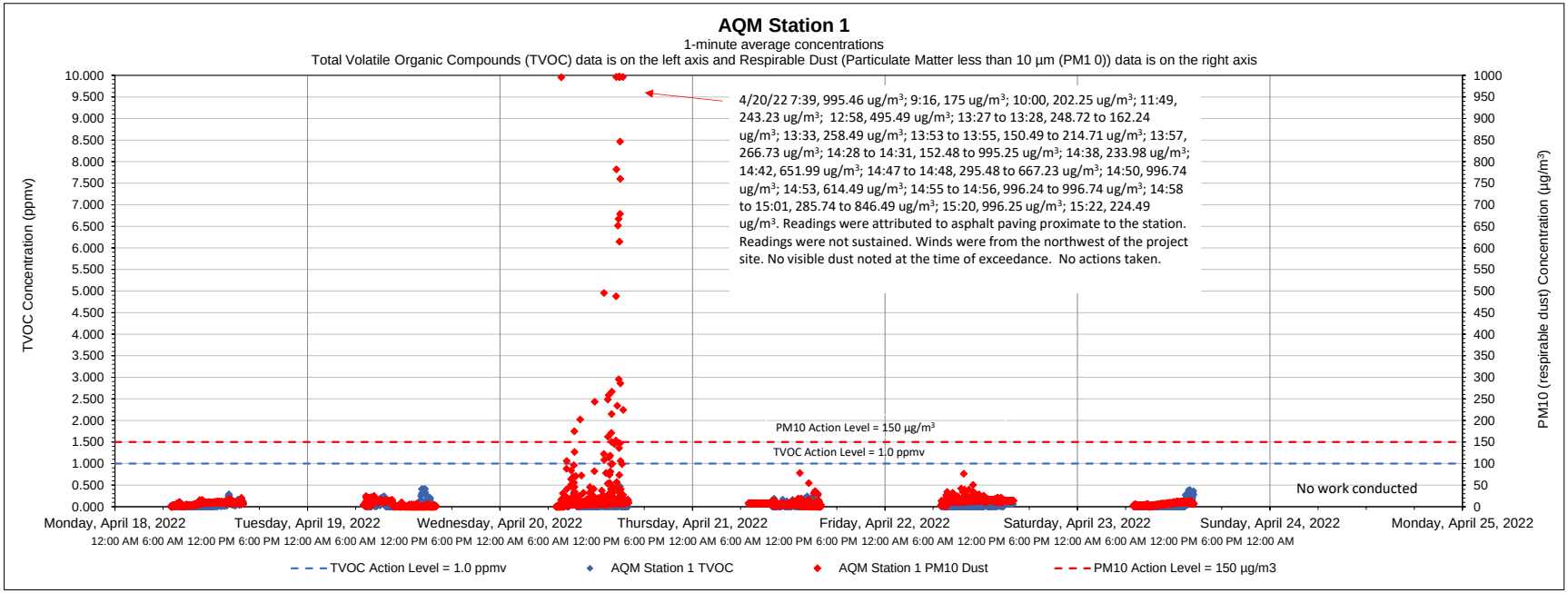

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.80	µg/m³
PM10 maximum concentration	996.73	µg/m³
PM10 action level	150	µg/m³

Notes:

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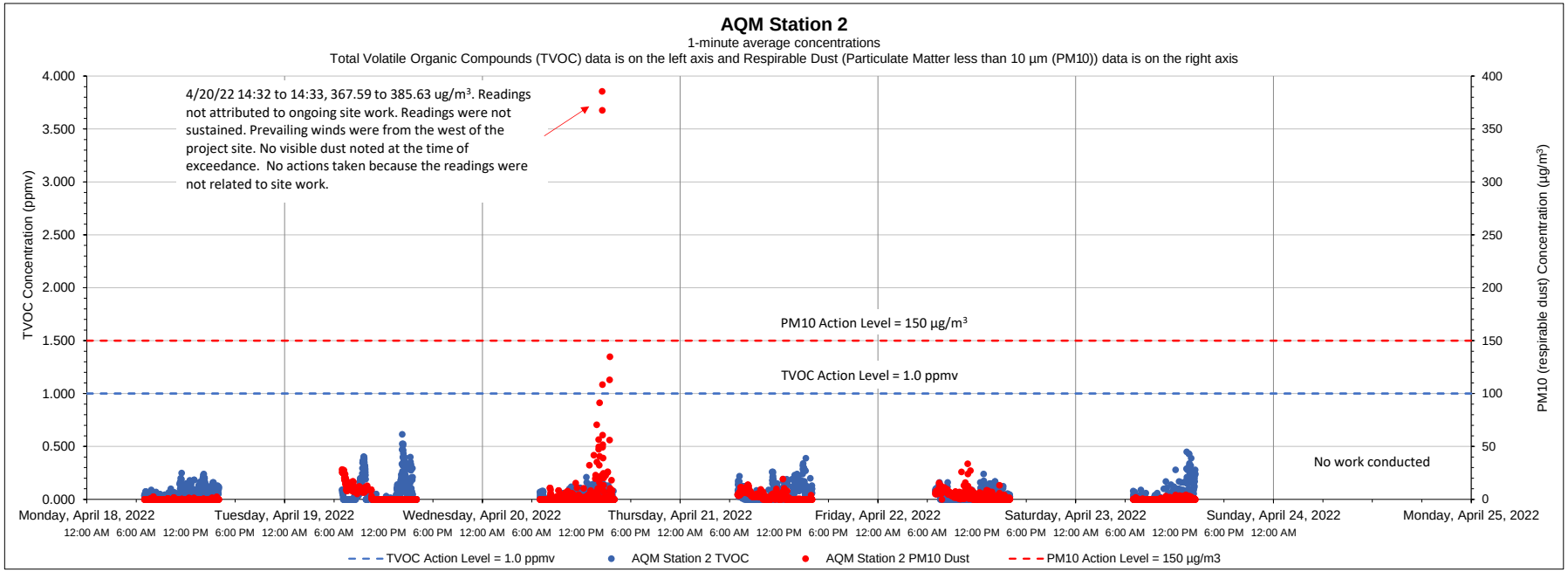

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.62	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.67	µg/m³
PM10 maximum concentration	385.63	µg/m³
PM10 action level	150	µg/m³

Notes:

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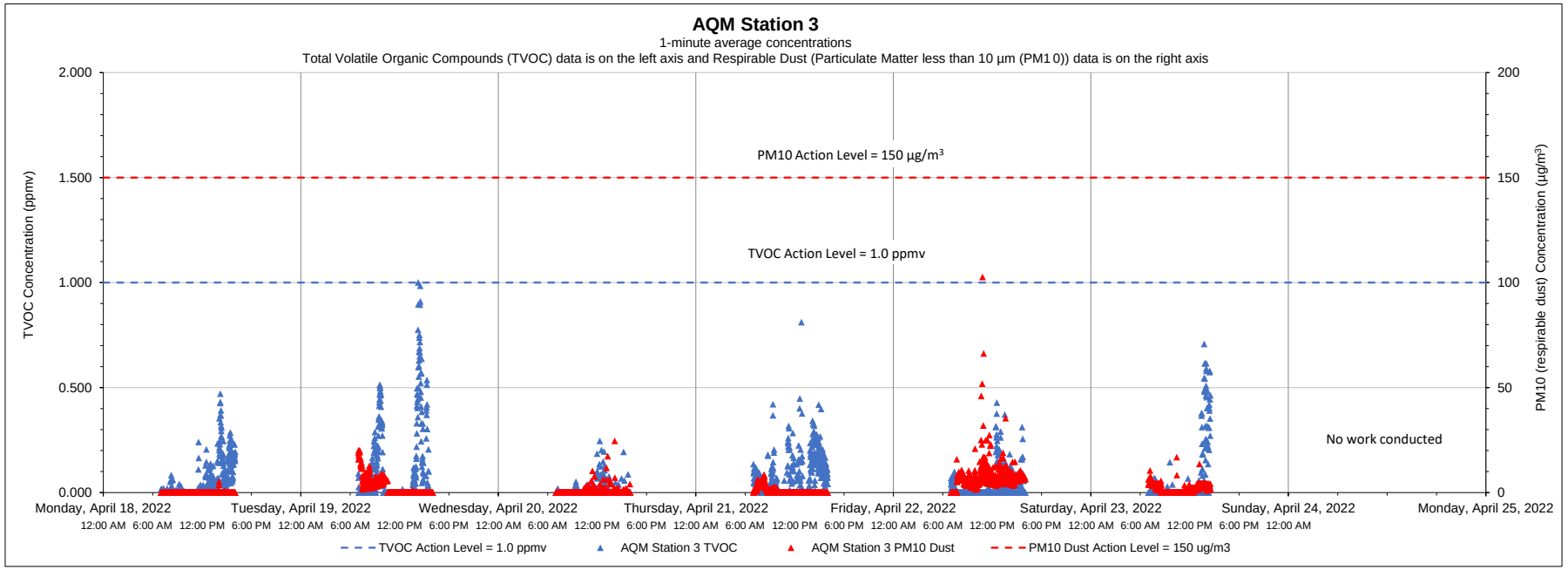

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.00	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.17	µg/m^3
PM10 maximum concentration	102.67	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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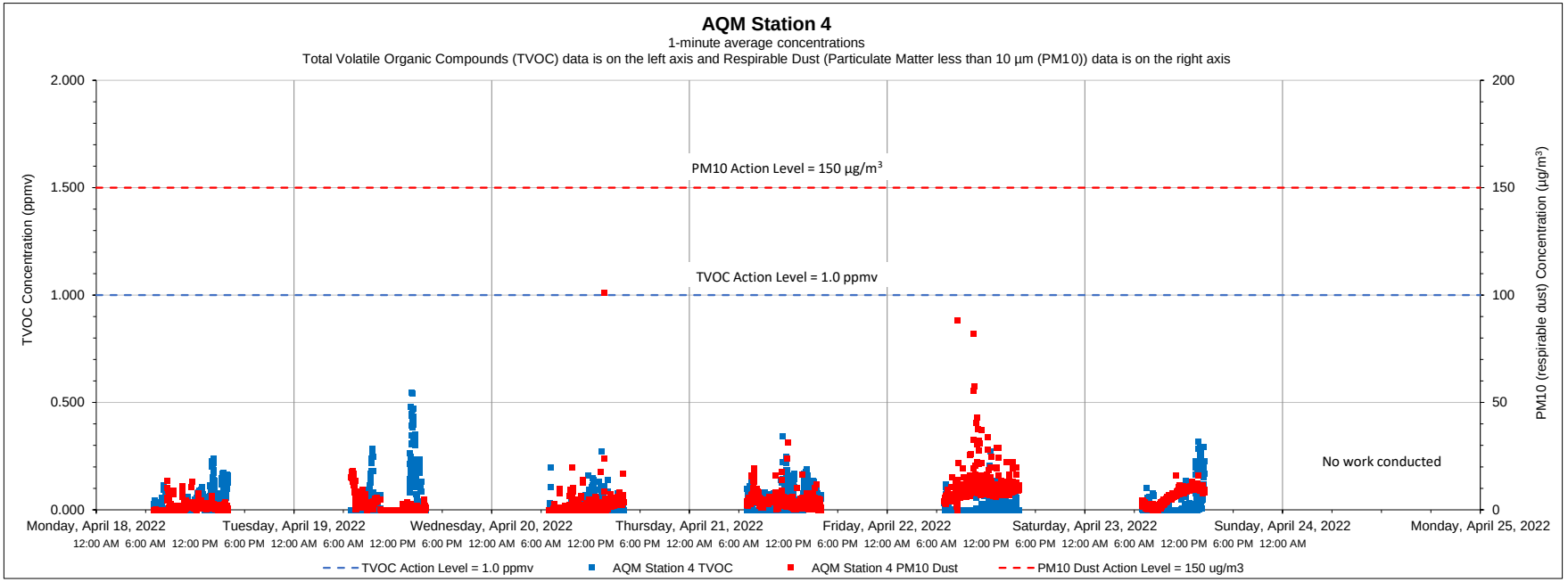

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.55	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.05	µg/m^3
PM10 maximum concentration	100.91	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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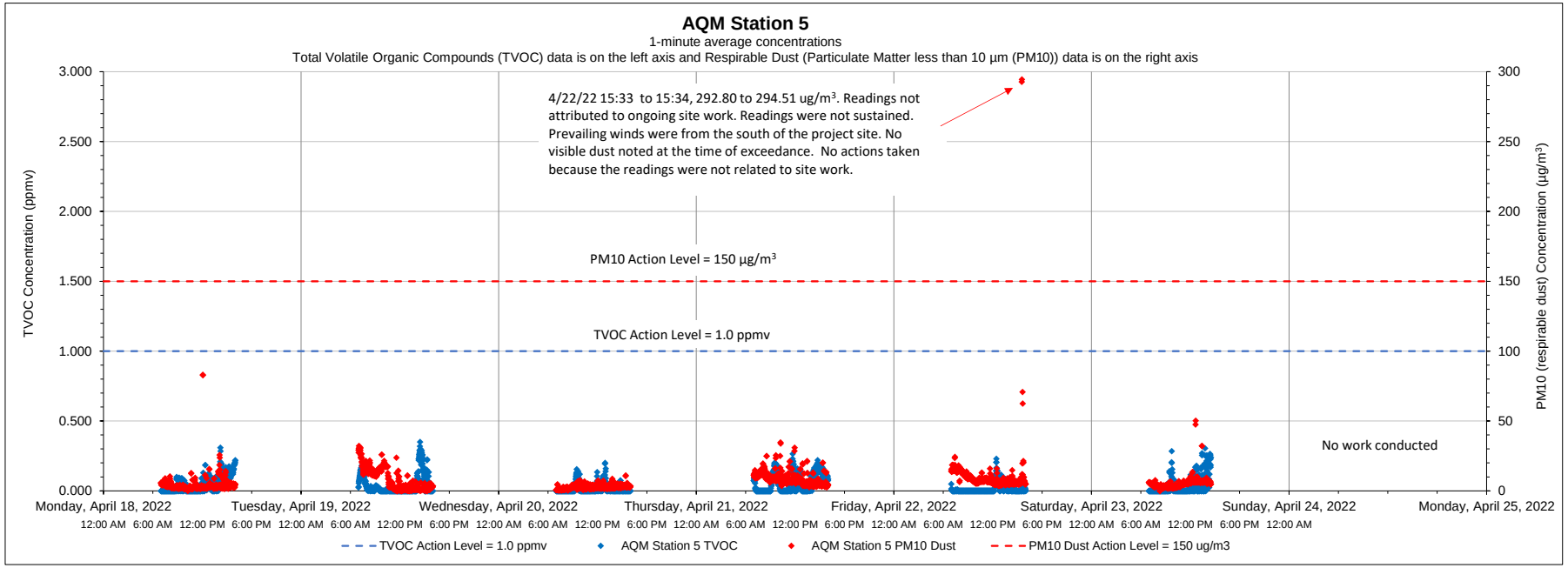

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.35	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.38	µg/m³
PM10 maximum concentration	294.52	µg/m³
PM10 action level	150	µg/m³

Notes:

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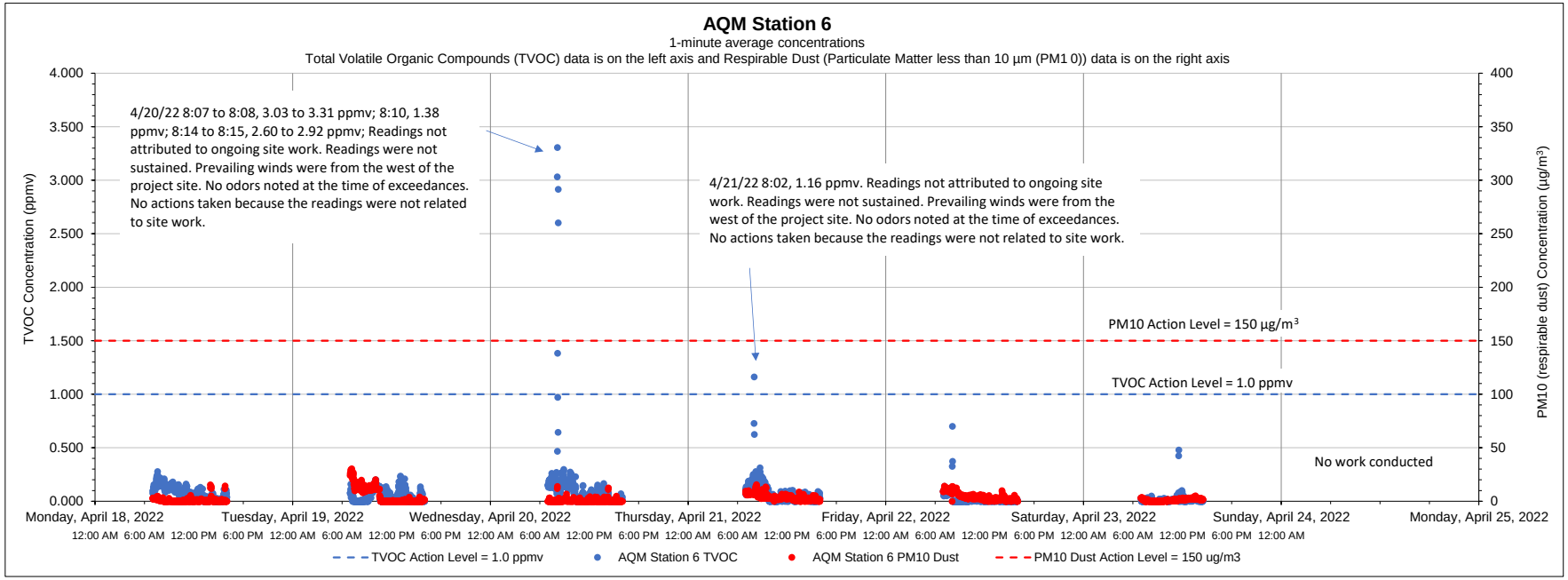

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	3.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.70	µg/m^3
PM10 maximum concentration	30.42	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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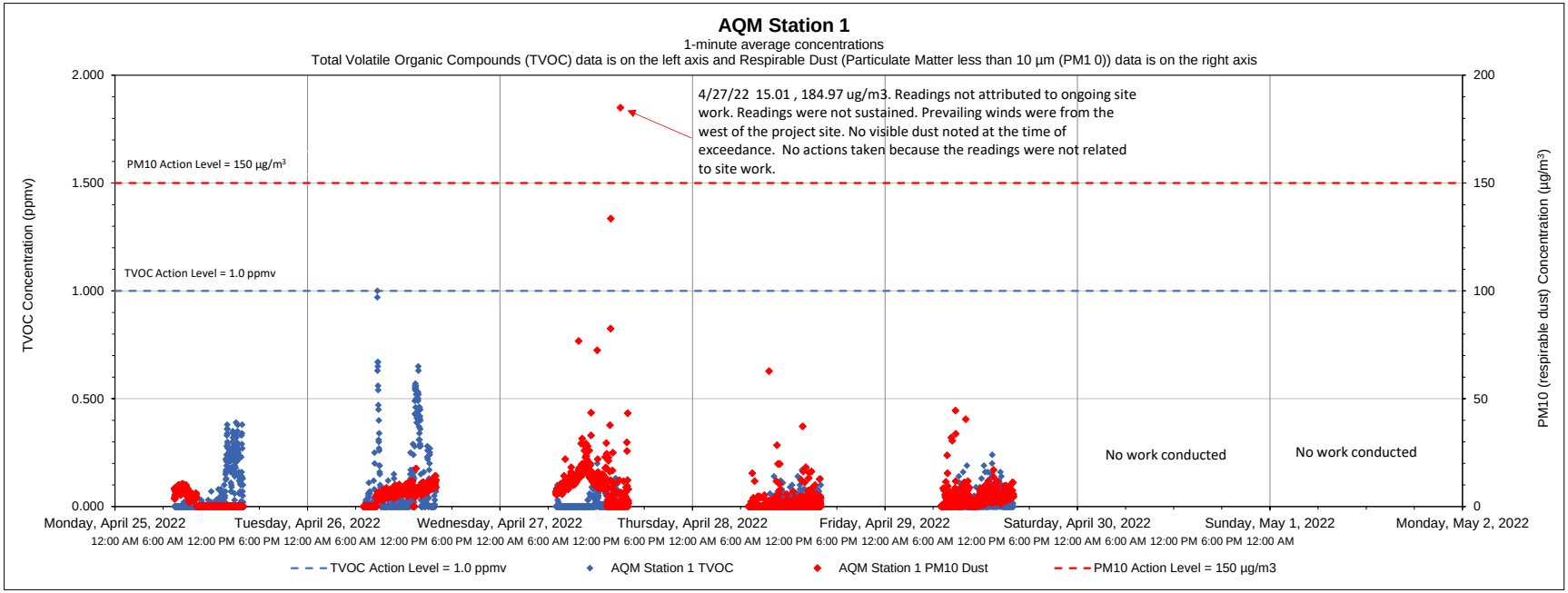

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	1.00	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.75	µg/m^3
PM10 maximum concentration	184.97	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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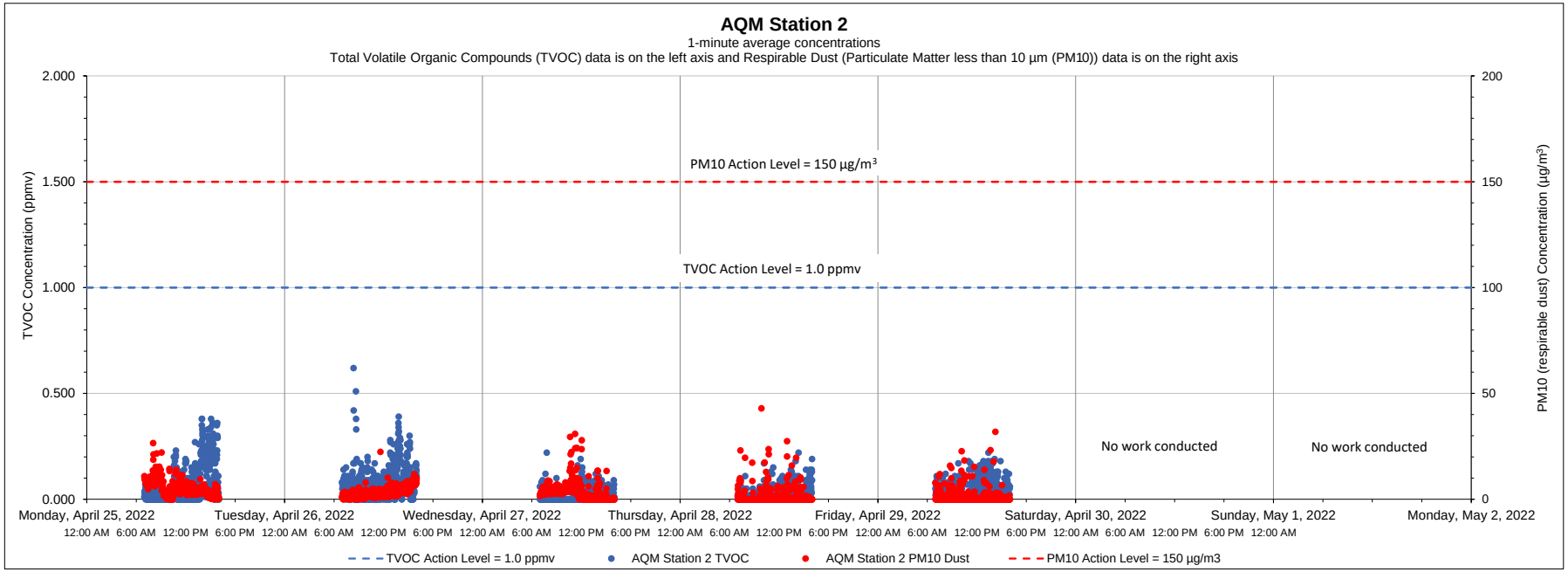

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.62	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.76	µg/m³
PM10 maximum concentration	42.97	µg/m³
PM10 action level	150	µg/m³

Notes:

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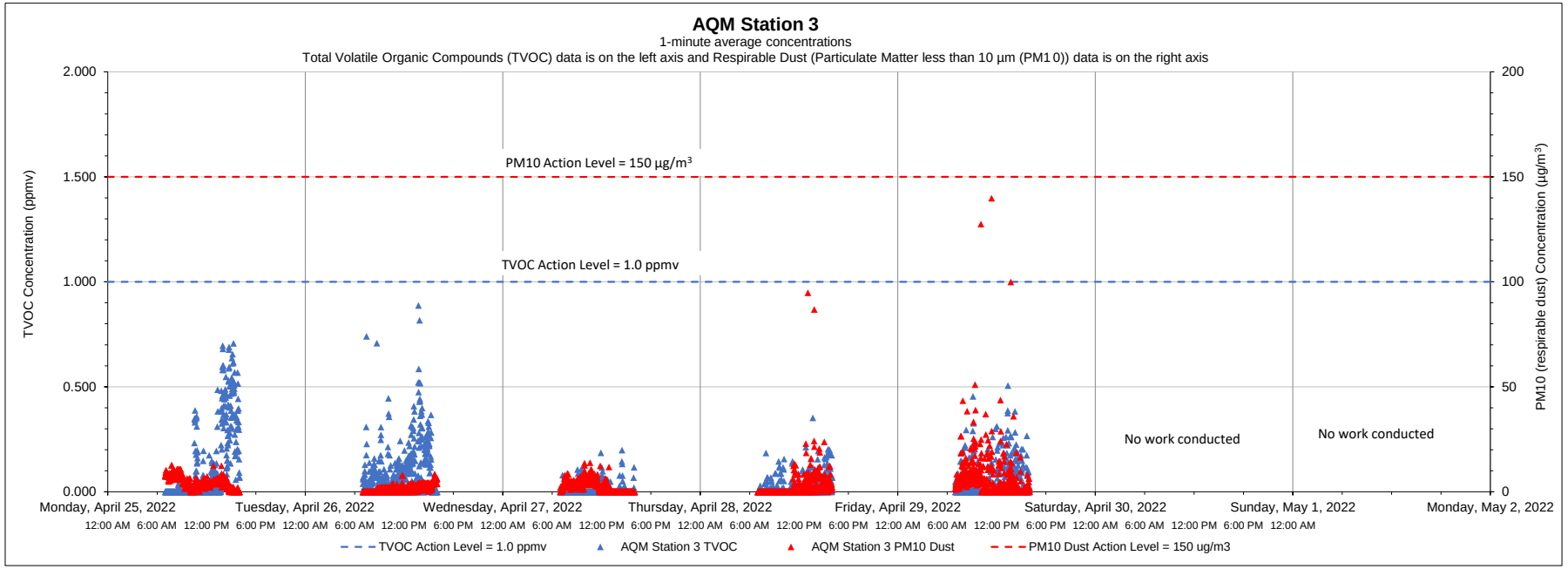

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.89	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.19	µg/m^3
PM10 maximum concentration	139.83	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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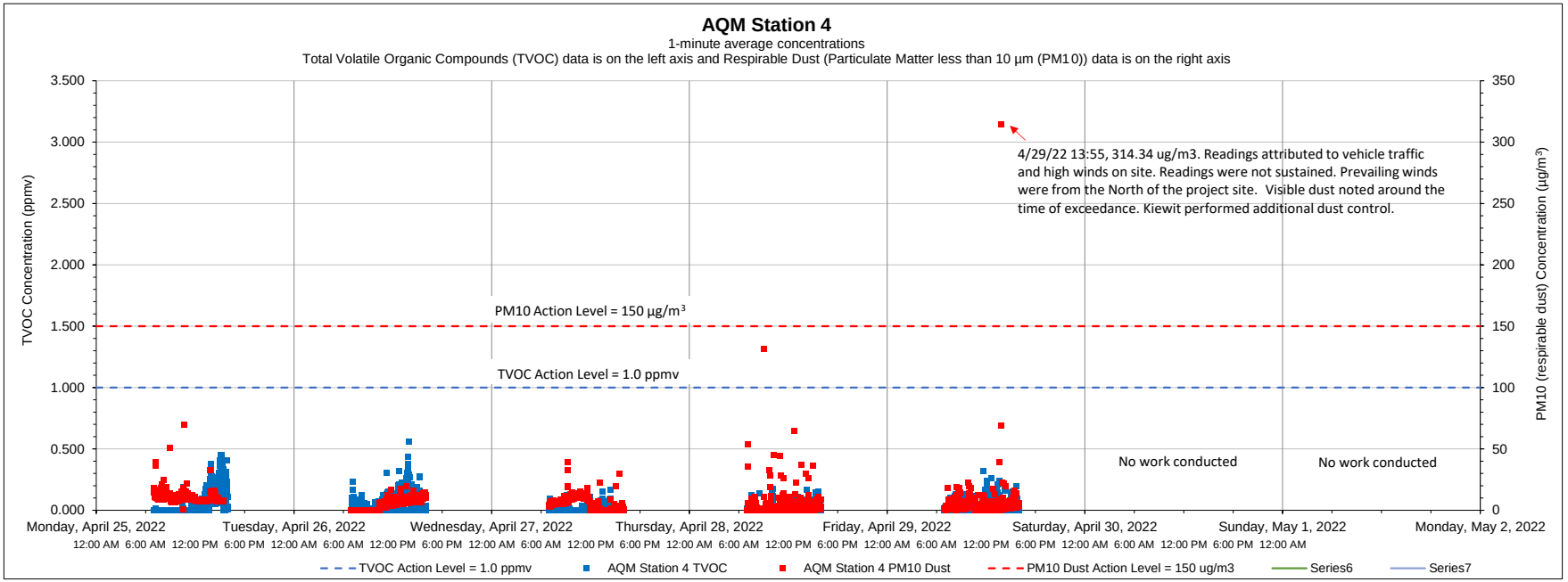

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.56	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.57	µg/m³
PM10 maximum concentration	314.34	µg/m³
PM10 action level	150	µg/m³

Notes:

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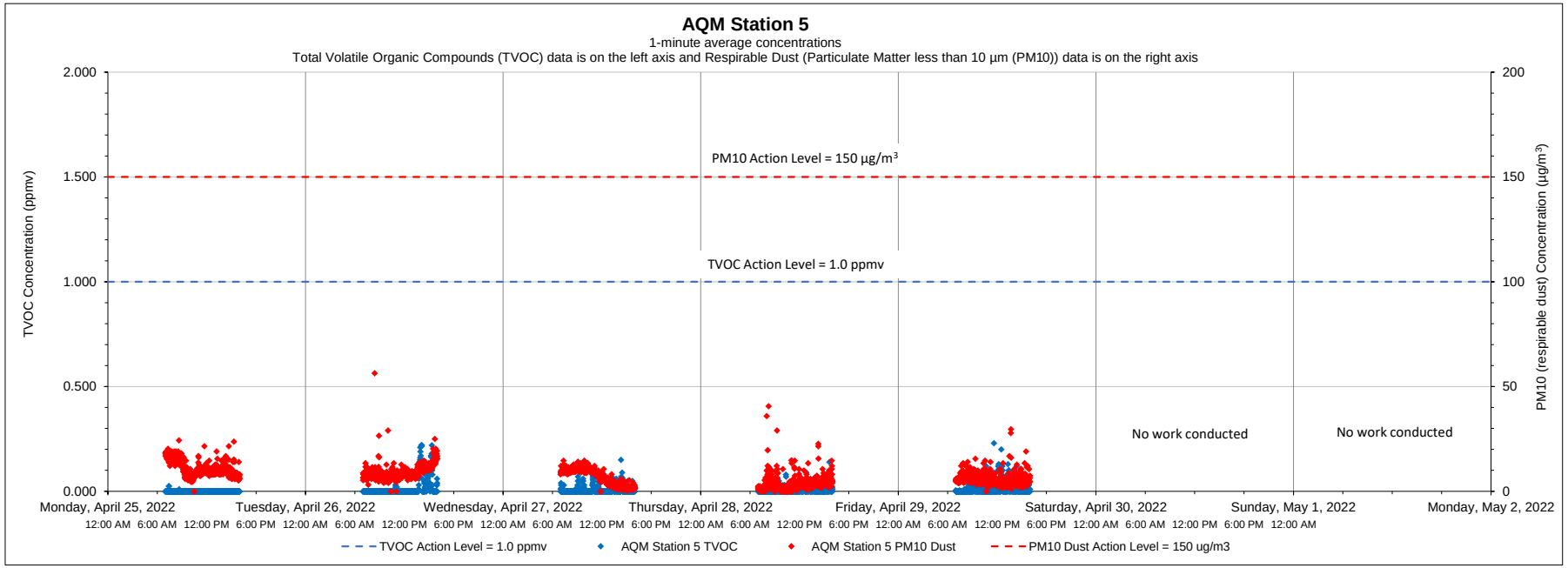

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.23	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.22	µg/m³
PM10 maximum concentration	56.40	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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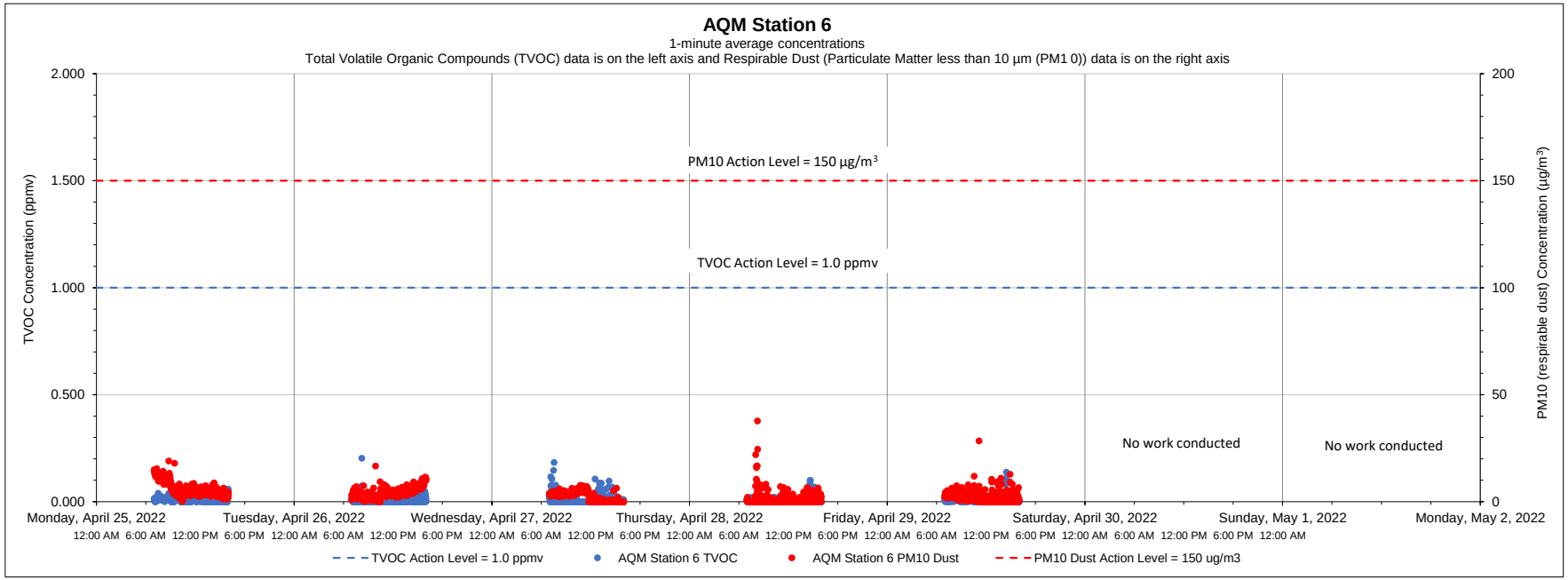

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.17	µg/m^3
PM10 maximum concentration	37.71	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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05/09/2022

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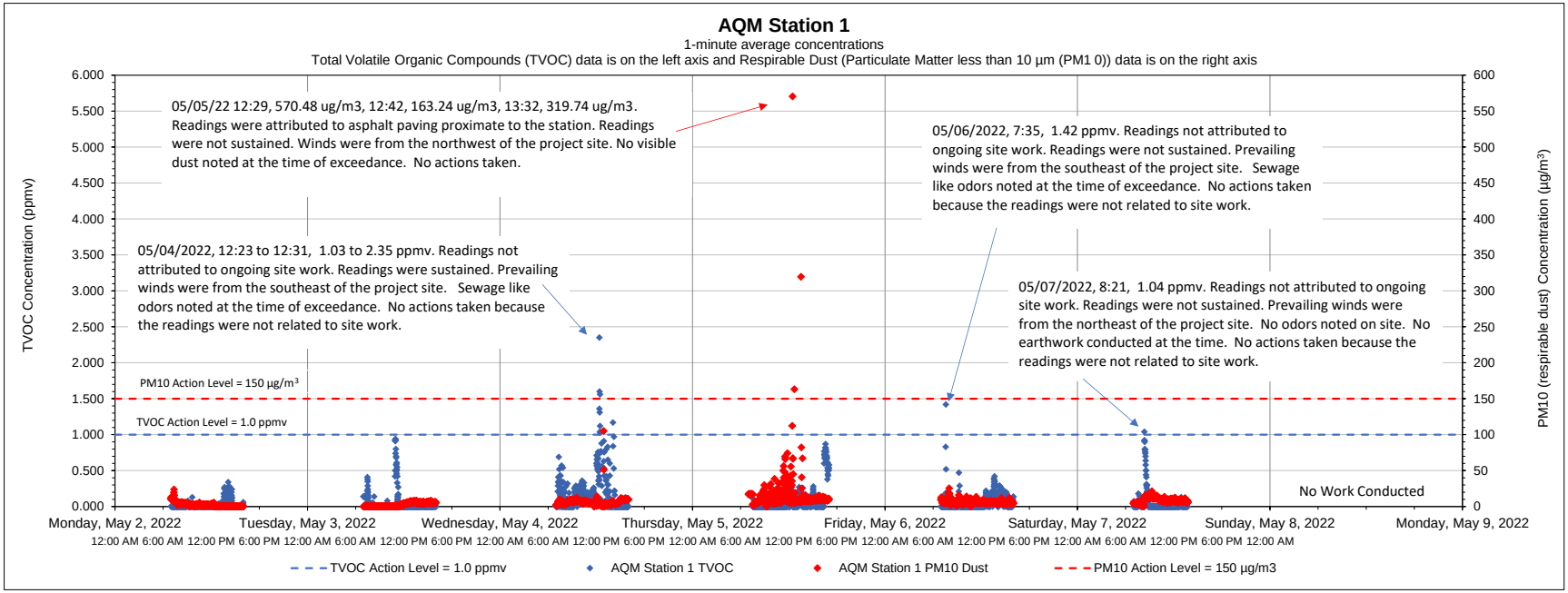


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
5/4/2022	12:23 to 12:31	TVOC	1.03 to 2.35 ppmv	No action taken
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	2.35	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.62	µg/m^3
PM10 maximum concentration	570.48	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

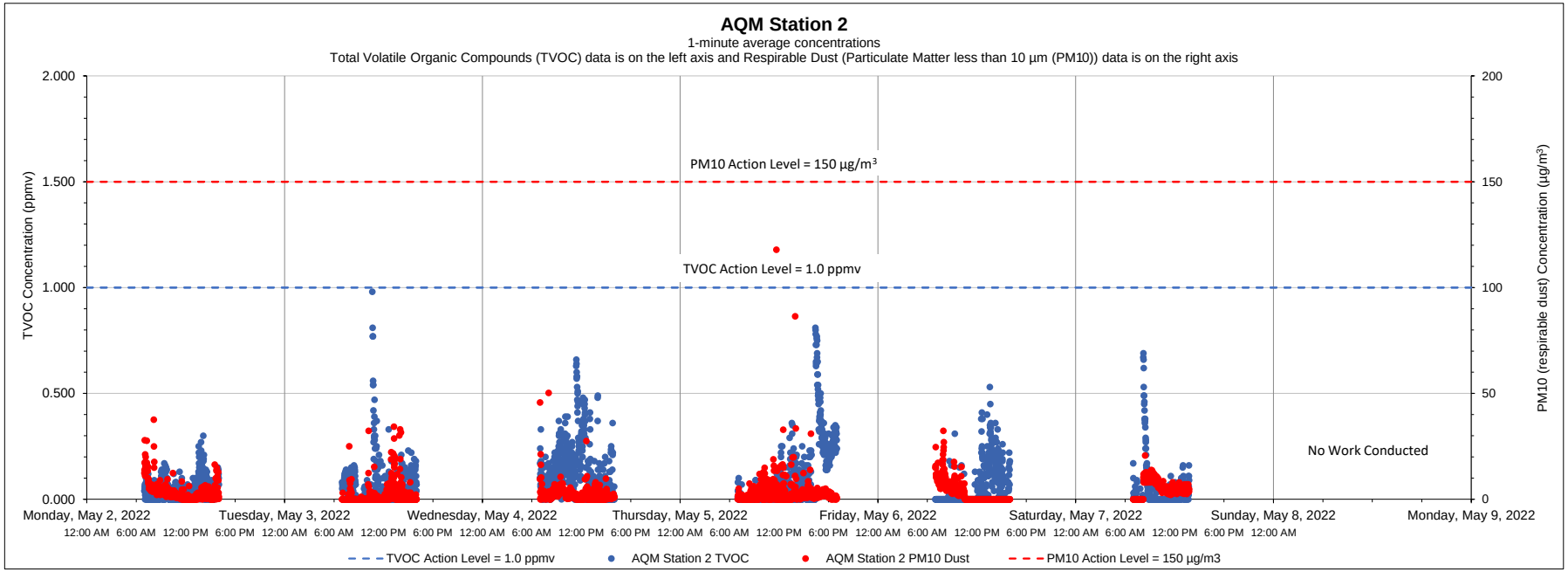
GZA Job No. 03.0033554.04

05/09/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	0.98	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.83	µg/m³
PM10 maximum concentration	117.92	µg/m³
PM10 action level	150	µg/m³

Notes:

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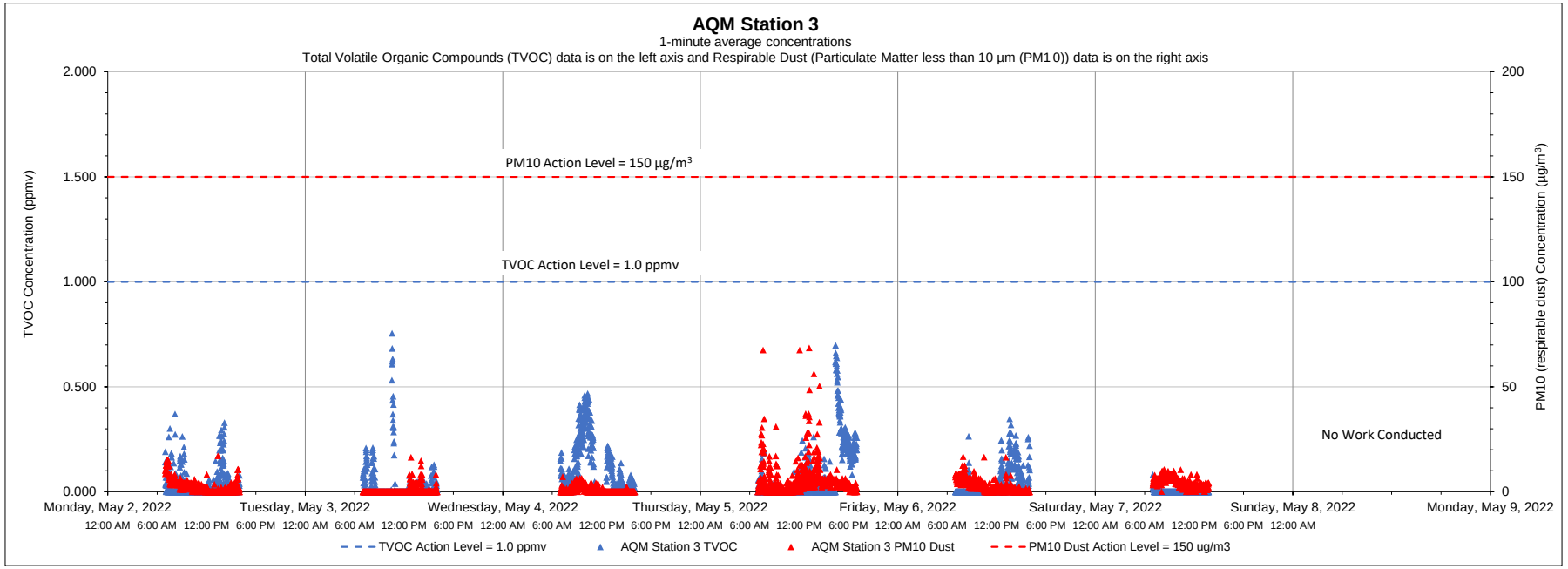

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.76	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.65	µg/m^3
PM10 maximum concentration	68.54	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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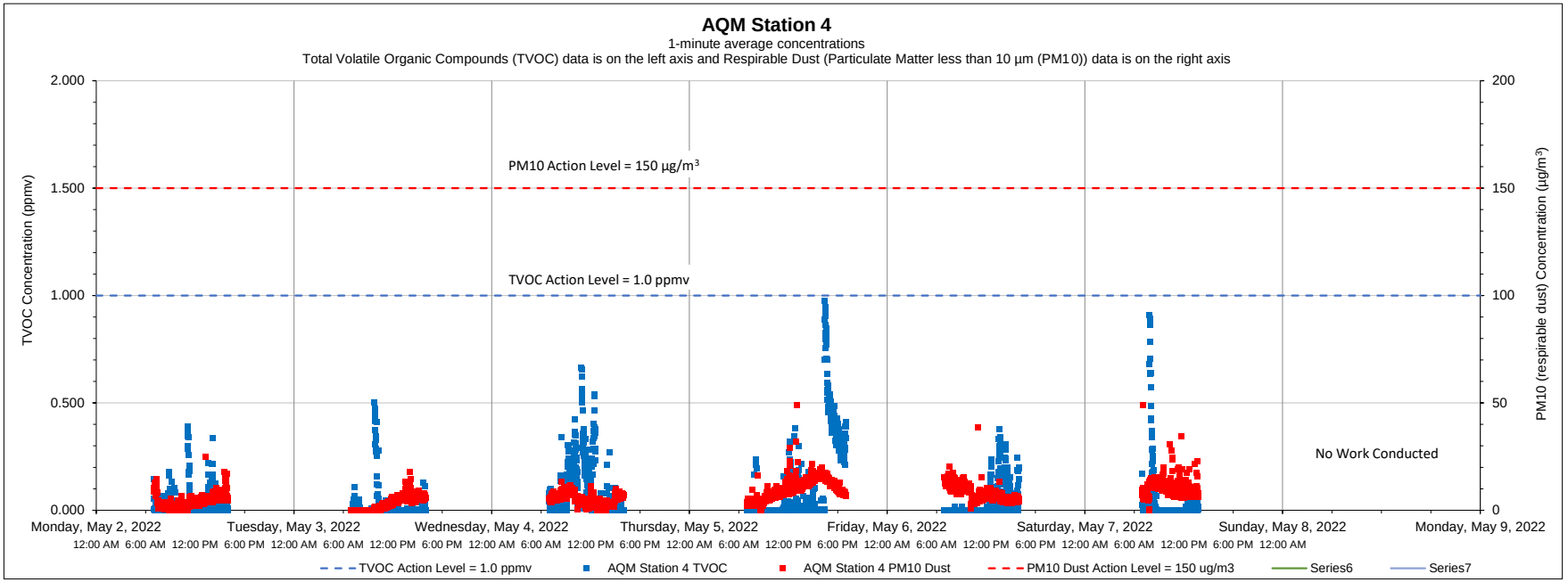

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.97	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.66	µg/m³
PM10 maximum concentration	49.14	µg/m³
PM10 action level	150	µg/m³

Notes:

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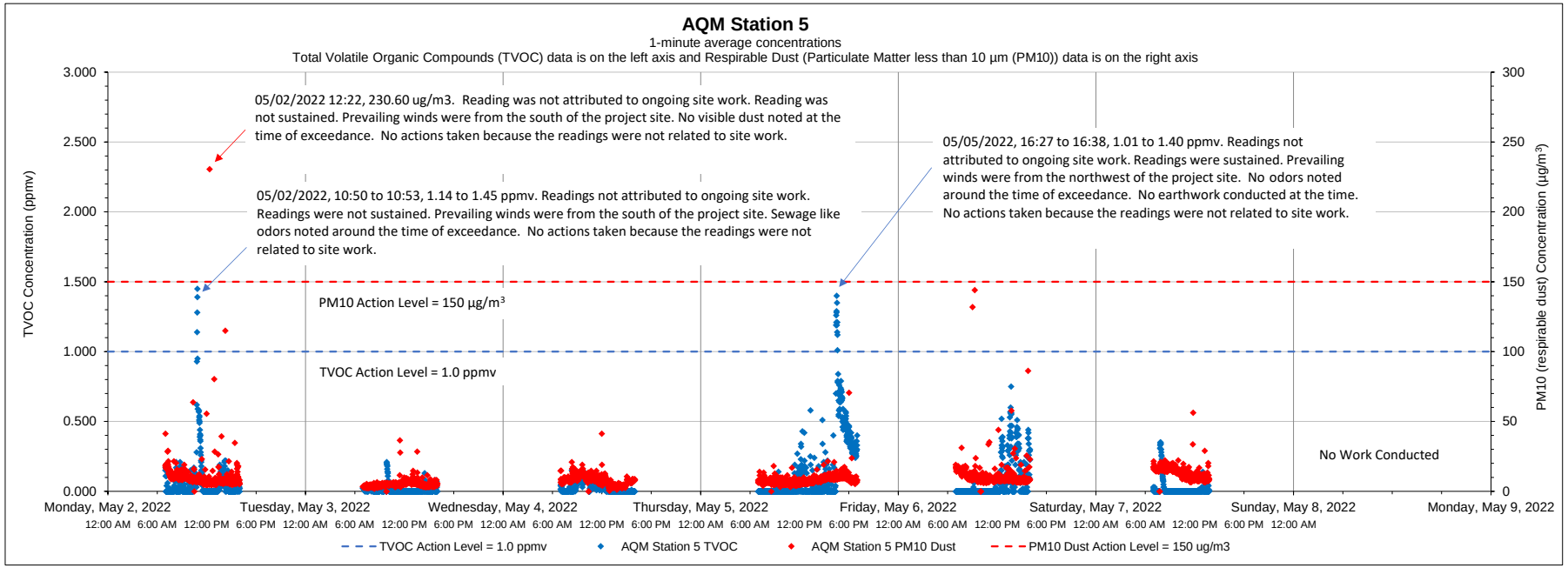

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
5/5/2022	16:27 to 16:38	TVOC	1.01 to 1.40 ppmv	No action taken.
Equipment Notes				
at				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.45	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.05	µg/m³
PM10 maximum concentration	230.60	µg/m³
PM10 action level	150	µg/m³

Notes:

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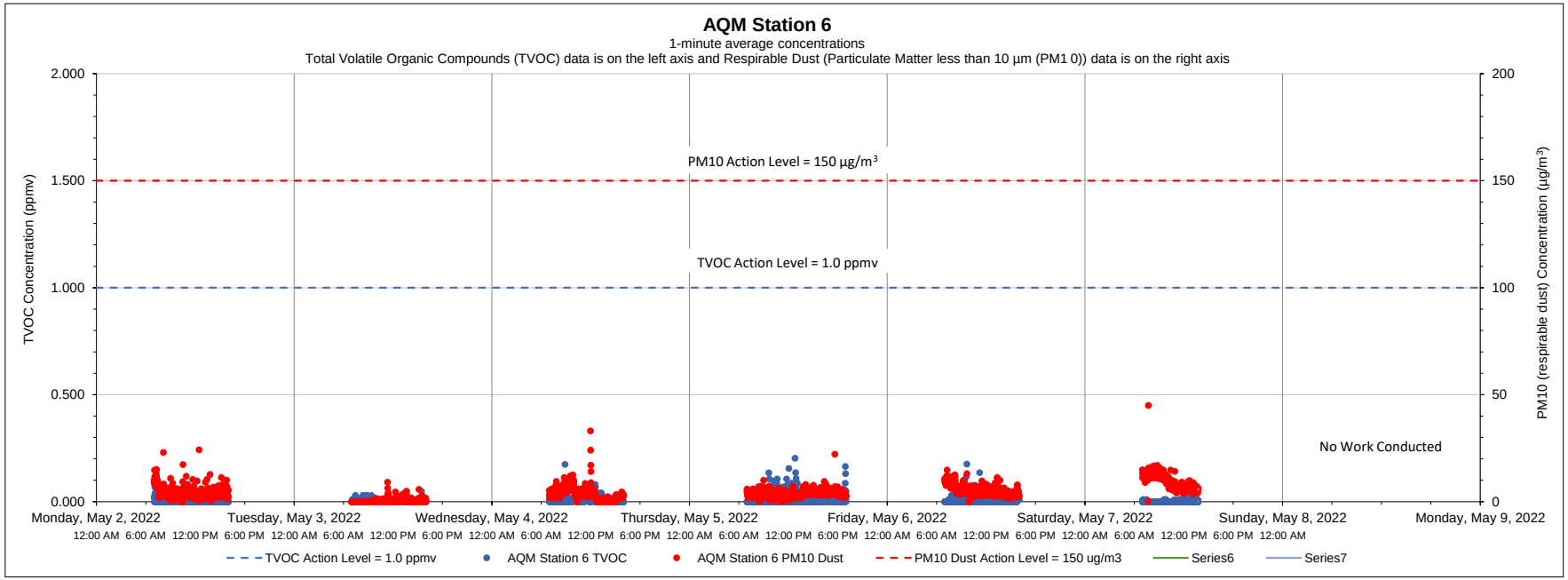

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.20	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.07	µg/m^3
PM10 maximum concentration	44.99	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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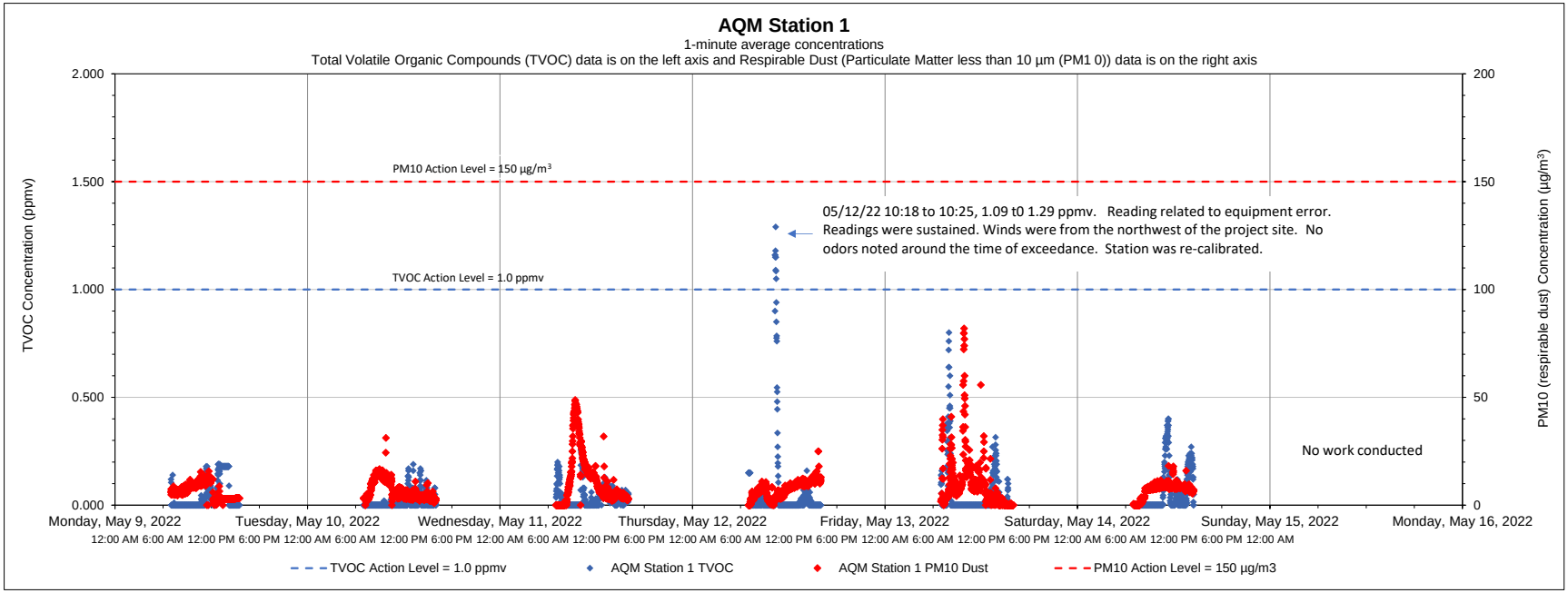

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
5/12/22 Equipment error caused sustained action level exceedances. Equipment was recalibrated which resolved the issue.				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	1.29	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.97	µg/m^3
PM10 maximum concentration	81.97	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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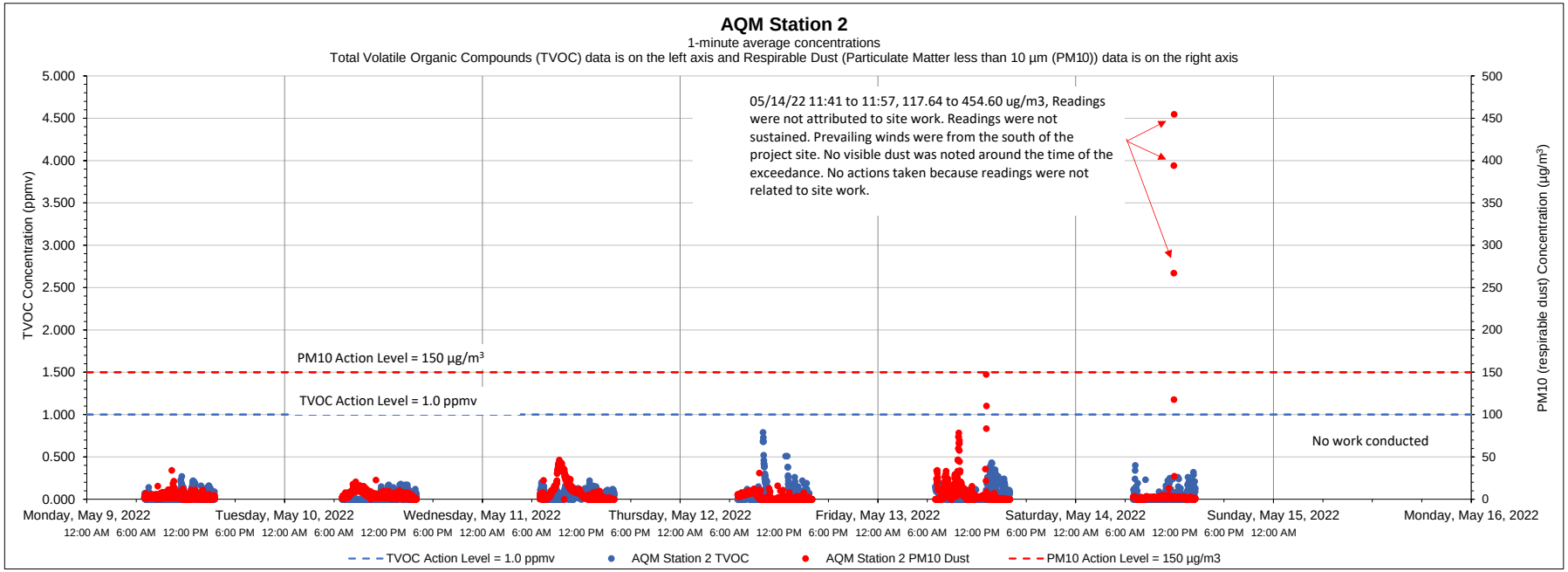

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.79	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.98	µg/m³
PM10 maximum concentration	454.60	µg/m³
PM10 action level	150	µg/m³

Notes:

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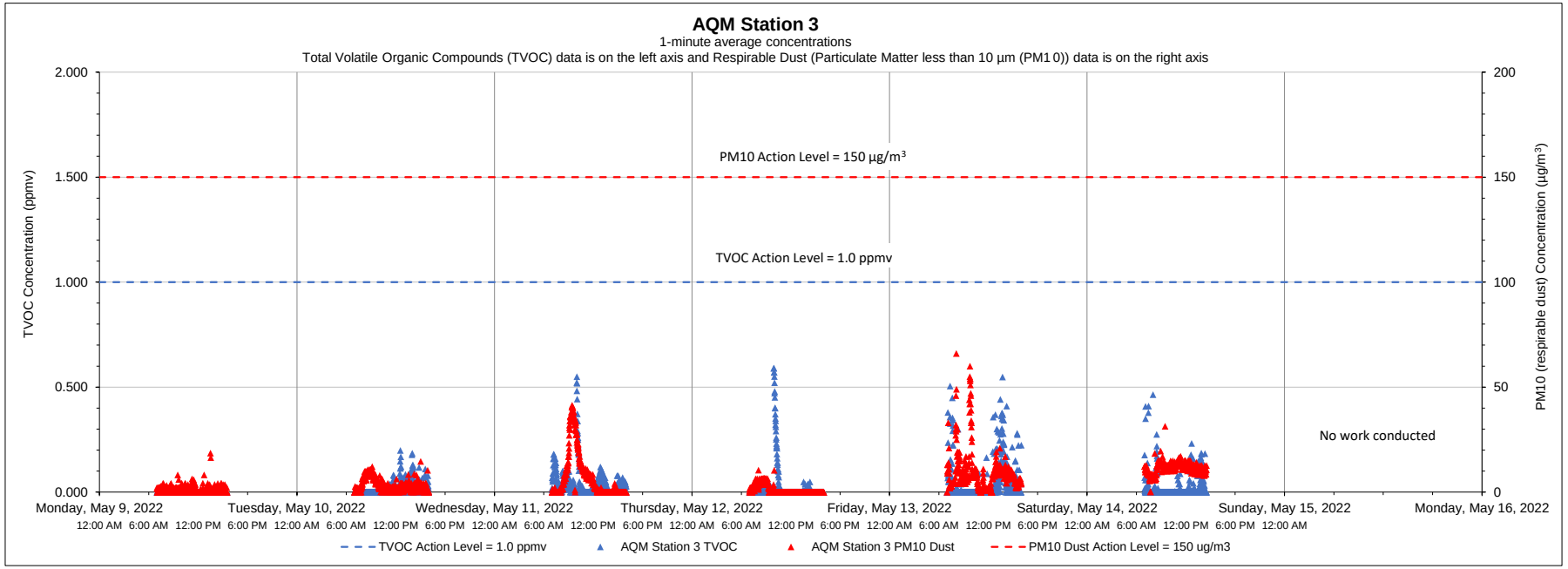

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.59	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.18	µg/m^3
PM10 maximum concentration	66.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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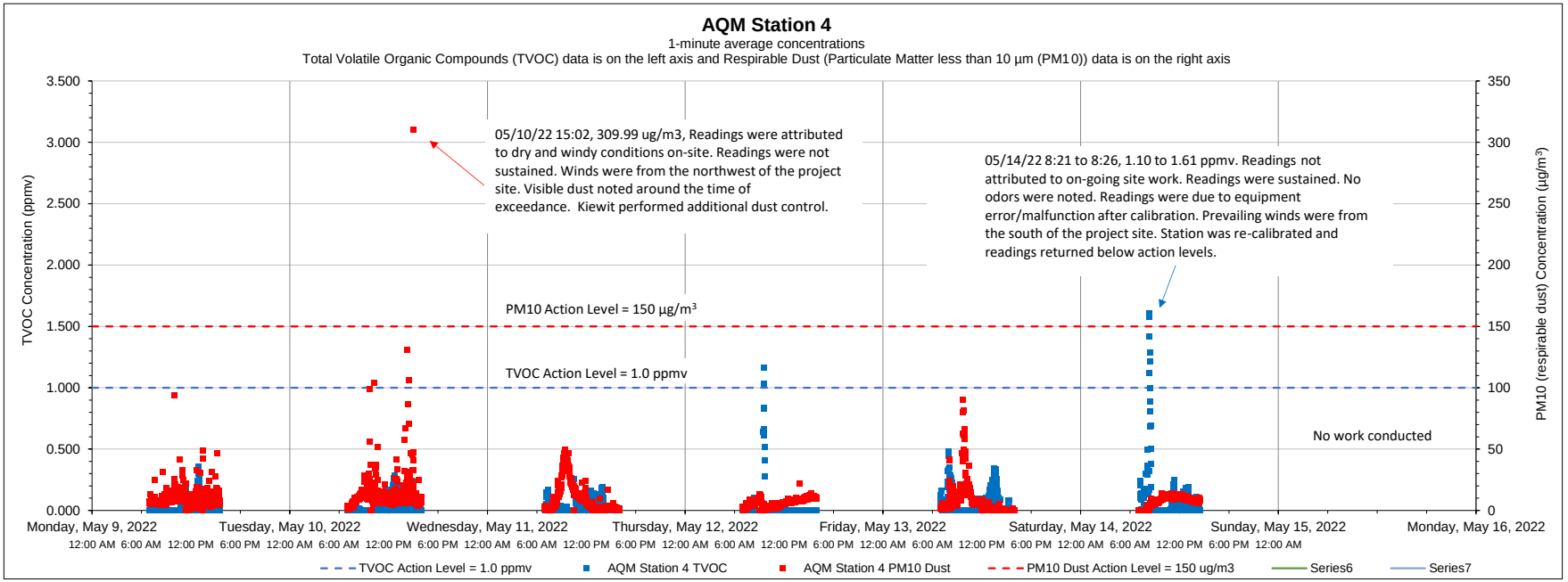

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
5/14/22 Equipment error caused sustained action level exceedances. Equipment was recalibrated which resolved the issue.				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	1.61	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.76	µg/m³
PM10 maximum concentration	309.99	µg/m³
PM10 action level	150	µg/m³

Notes:

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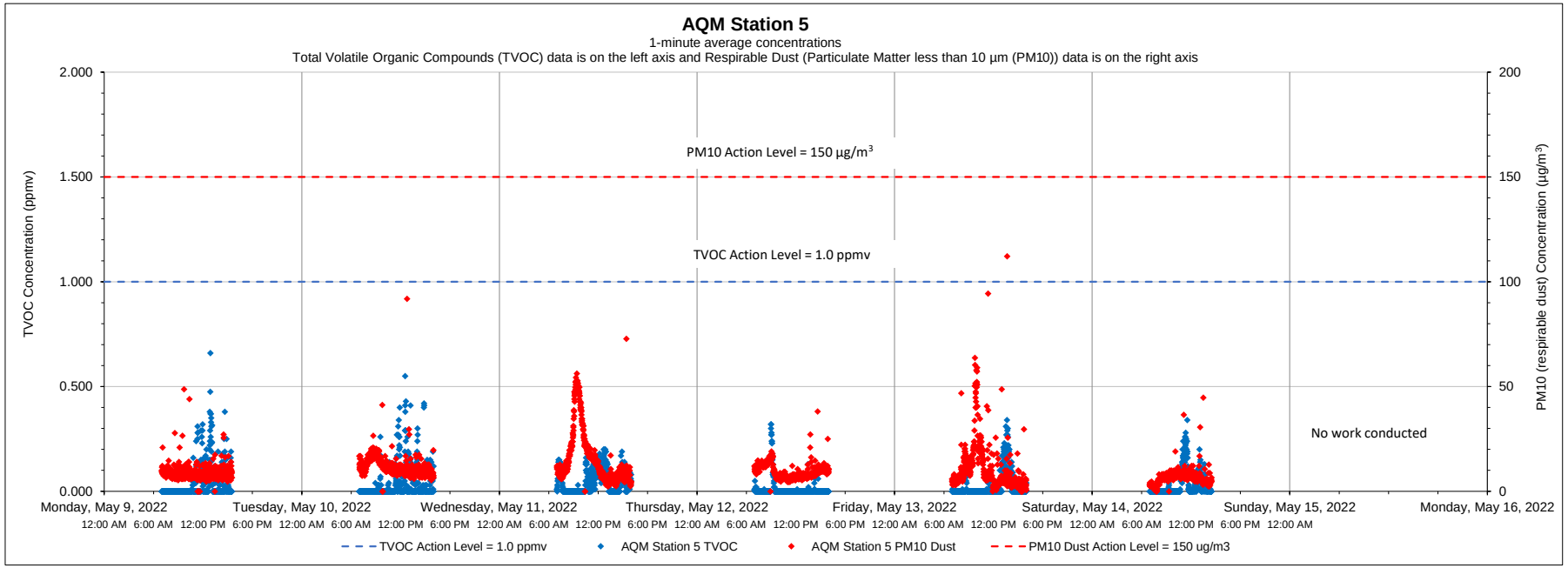

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.66	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.47	µg/m^3
PM10 maximum concentration	112.19	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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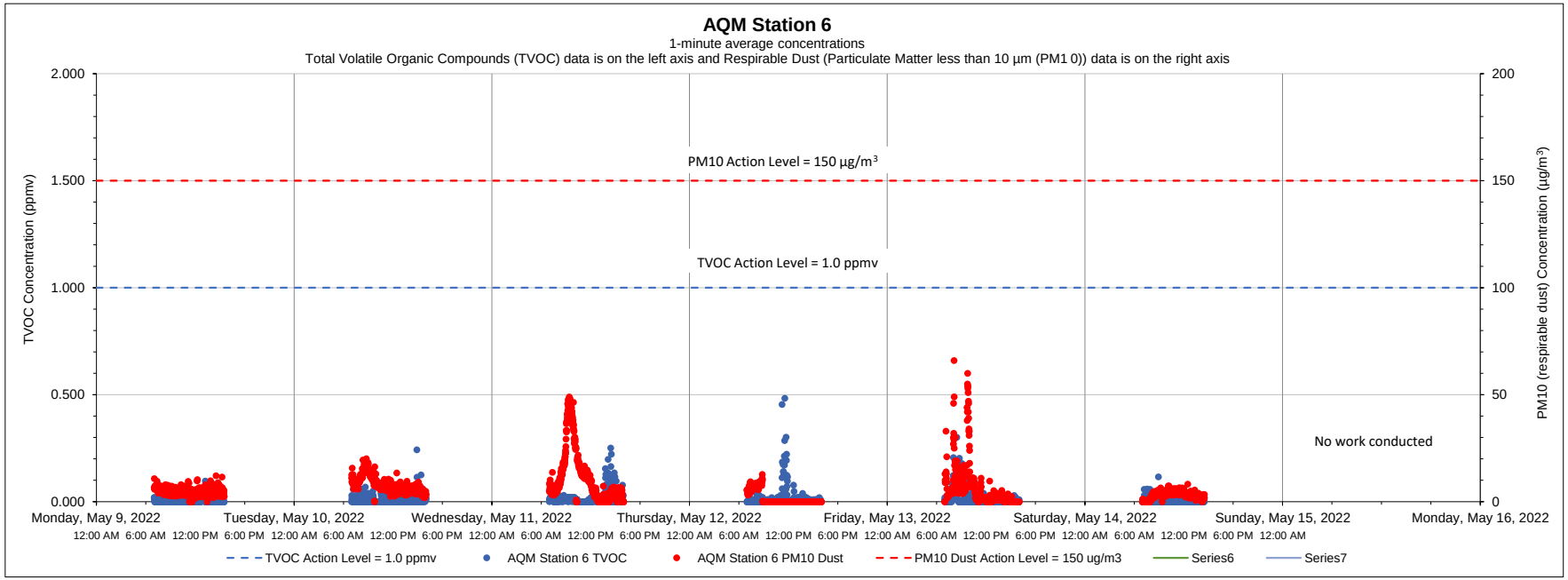

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.72	µg/m^3
PM10 maximum concentration	66.00	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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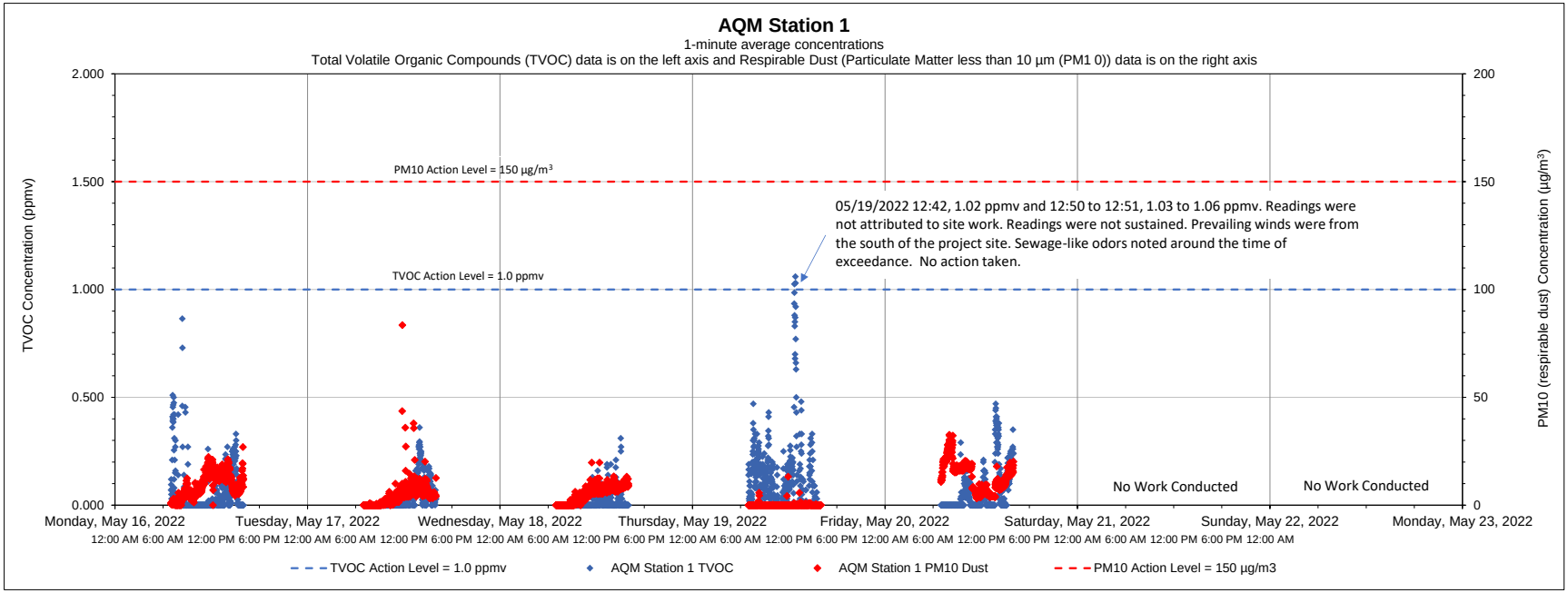

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.06	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.27	µg/m^3
PM10 maximum concentration	83.50	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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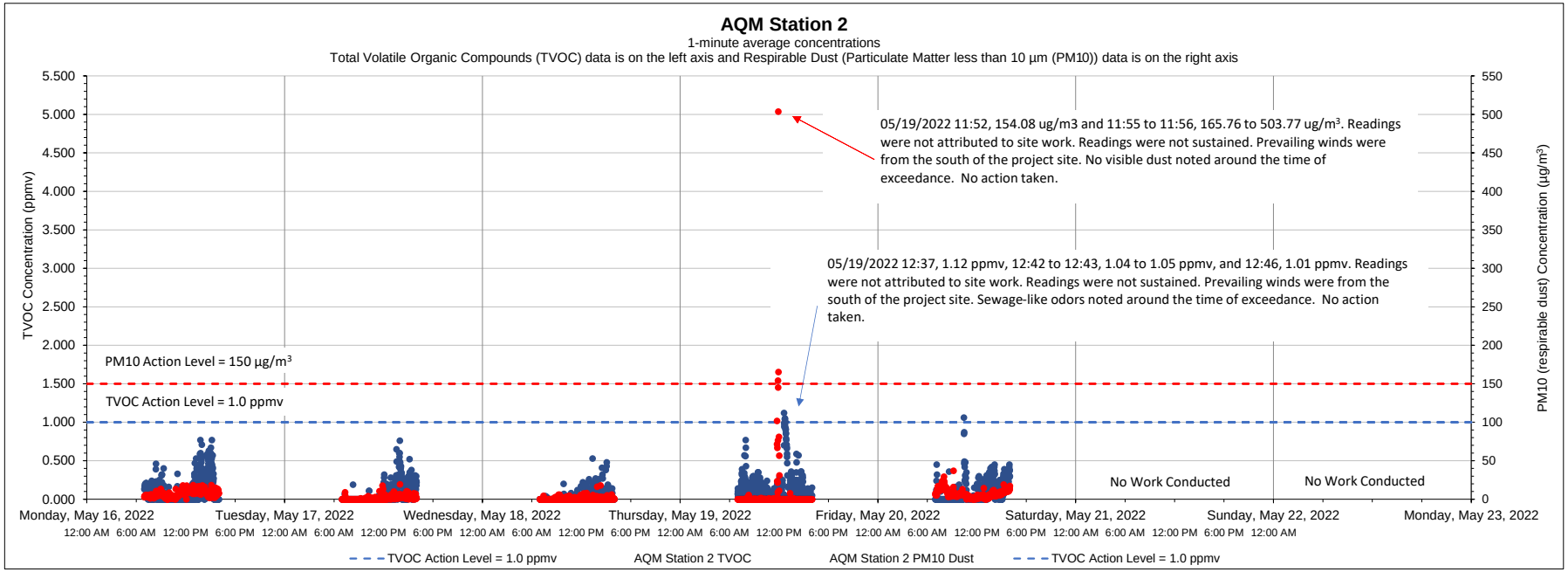

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.08	ppm
TVOCs maximum concentration	1.12	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.73	µg/m³
PM10 maximum concentration	503.77	µg/m³
PM10 action level	150	µg/m³

Notes:

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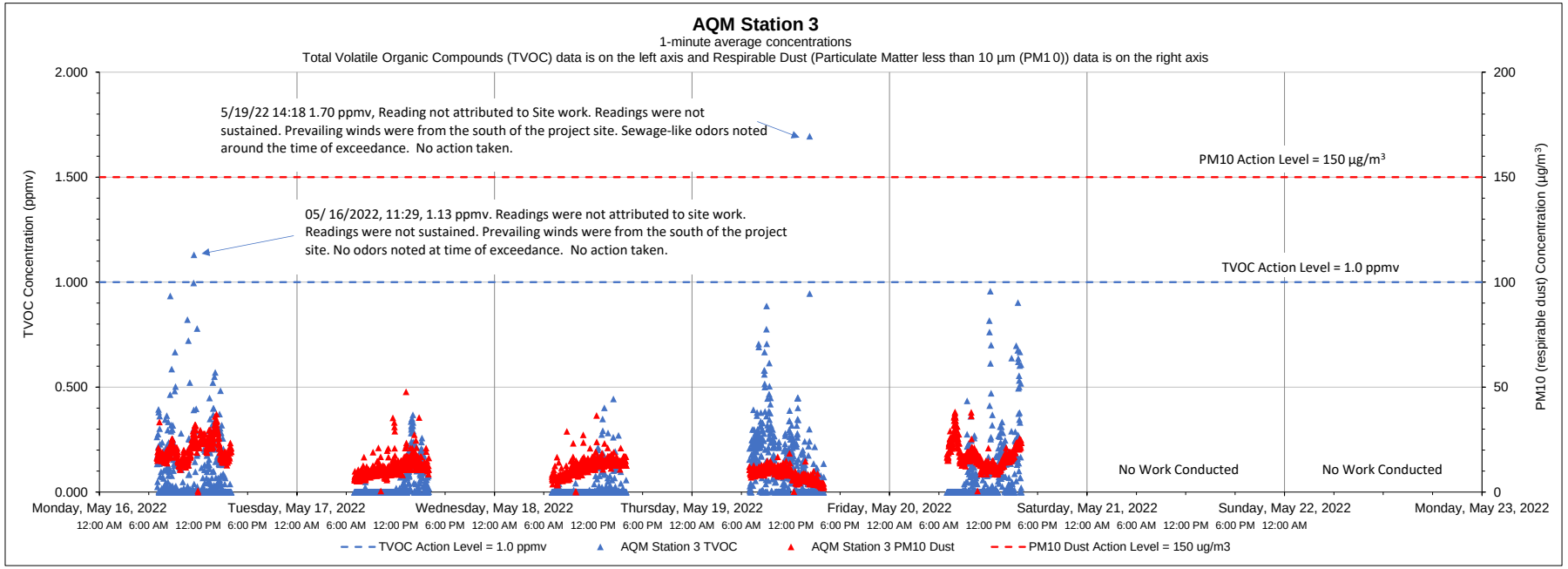

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	13.72	µg/m^3
PM10 maximum concentration	47.82	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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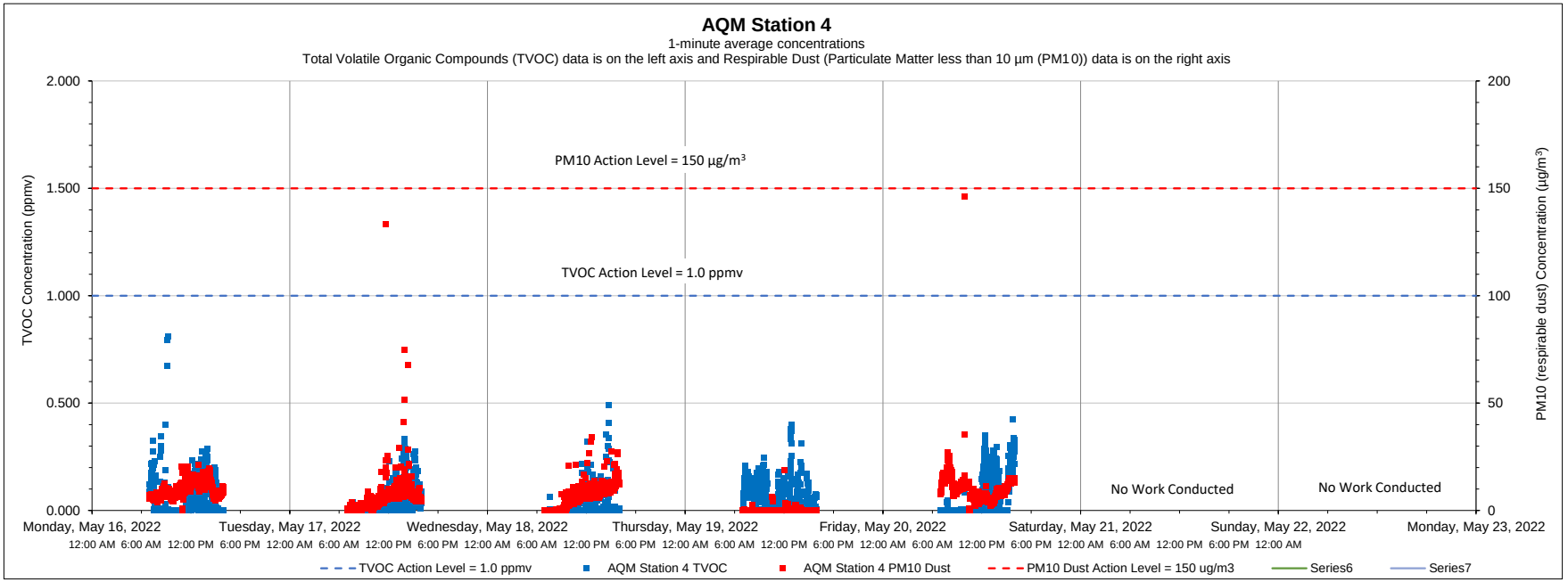

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.81	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.43	µg/m³
PM10 maximum concentration	146.05	µg/m³
PM10 action level	150	µg/m³

Notes:

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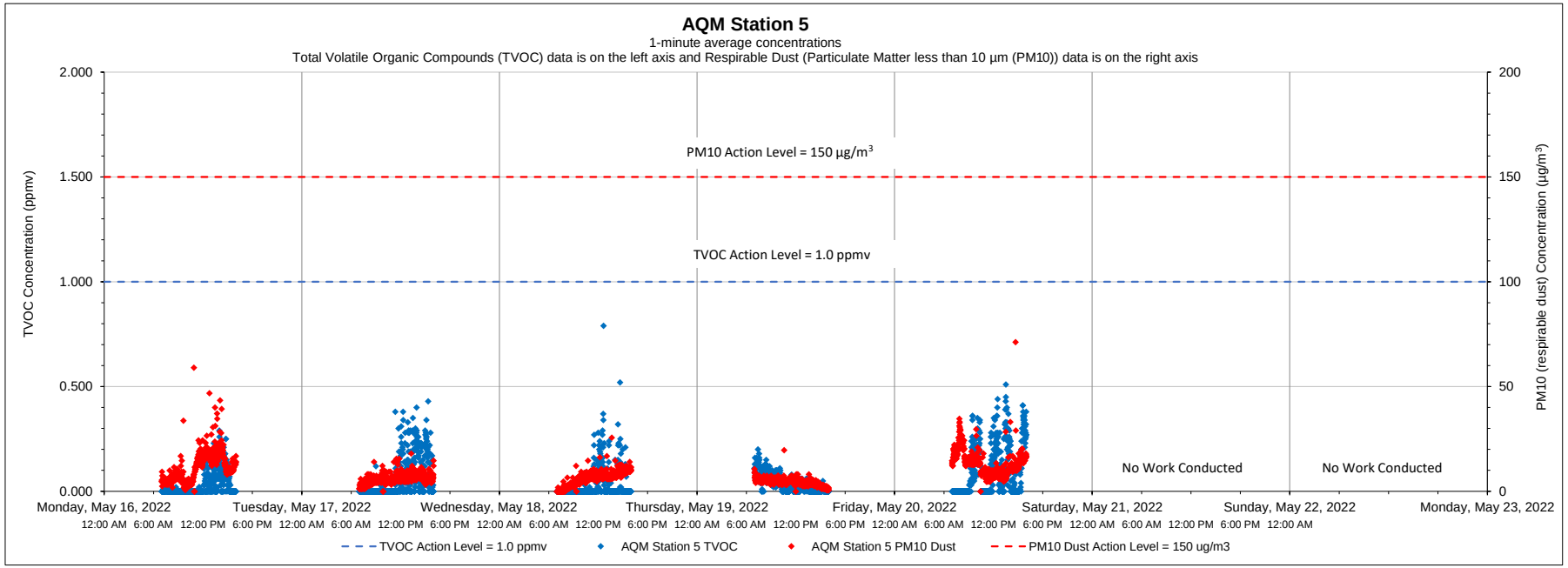

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.79	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.23	µg/m^3
PM10 maximum concentration	71.23	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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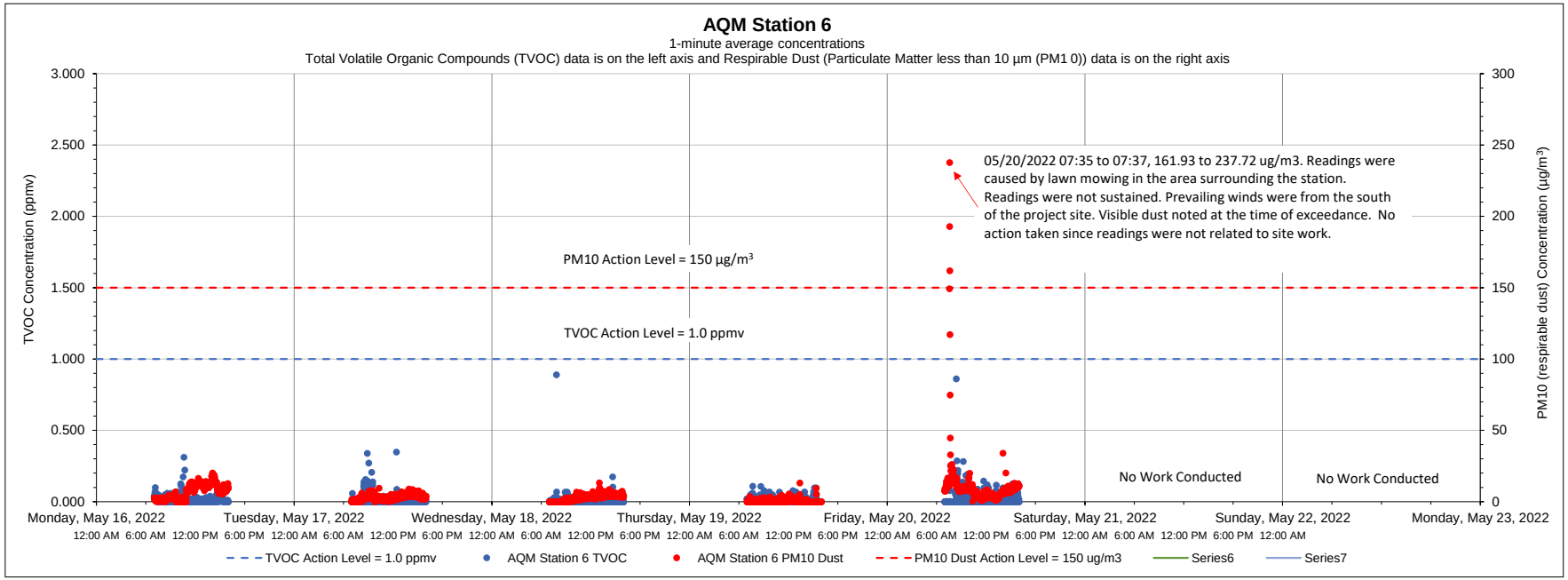

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.89	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.61	µg/m^3
PM10 maximum concentration	237.72	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

GZA Job No. 03.0033554.04

05/31/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

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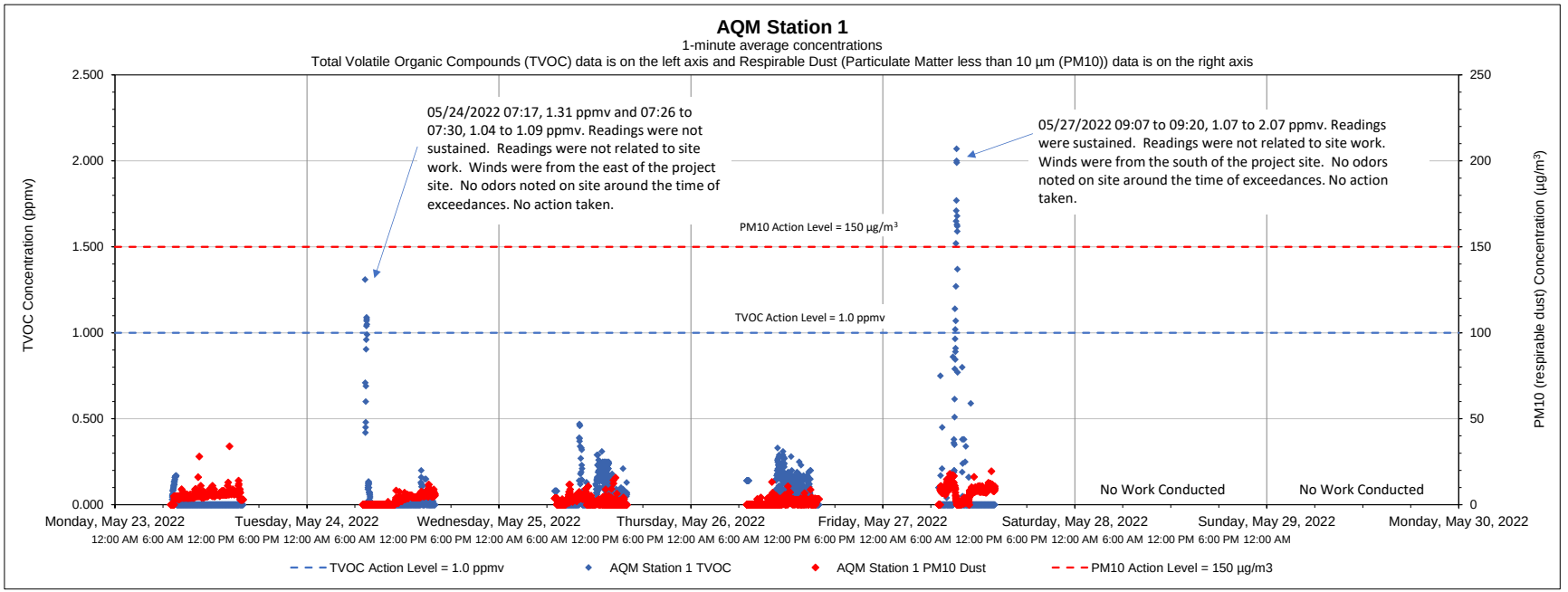

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
5/27/2022	09:07 to 09:20	TVOC	1.07 to 2.07 ppmv	No actions taken, readings not related to site work.
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	2.07	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.52	µg/m³
PM10 maximum concentration	34.00	µg/m³
PM10 action level	150	µg/m³

Notes:

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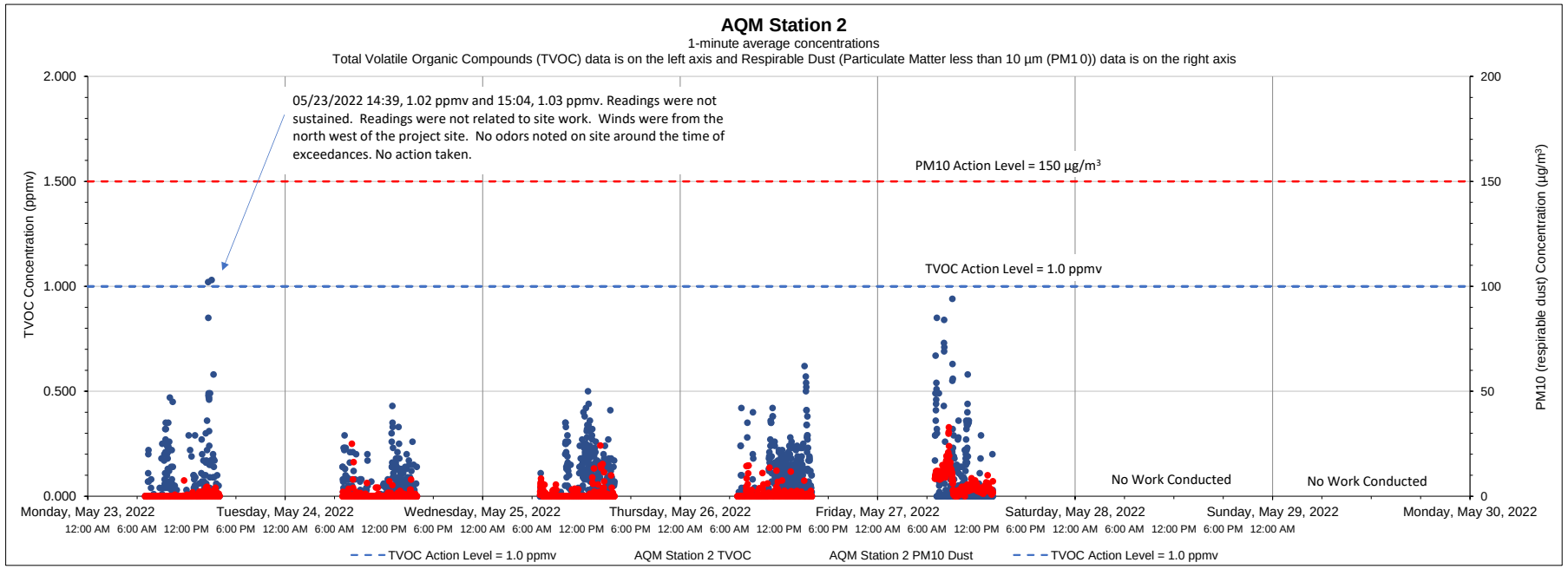

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.03	ppm
TVOCs action level	1	ppm
PM10 average concentration	1.28	µg/m³
PM10 maximum concentration	32.81	µg/m³
PM10 action level	150	µg/m³

Notes:

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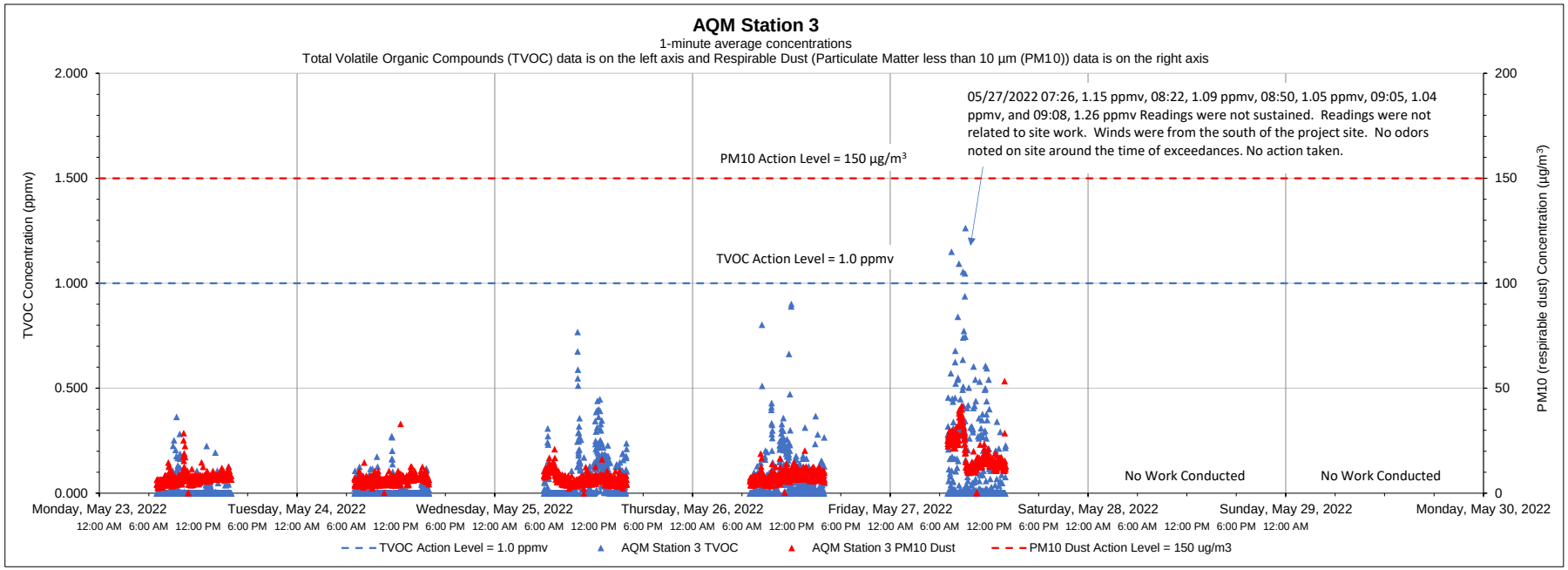

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	1.26	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.70	µg/m^3
PM10 maximum concentration	53.40	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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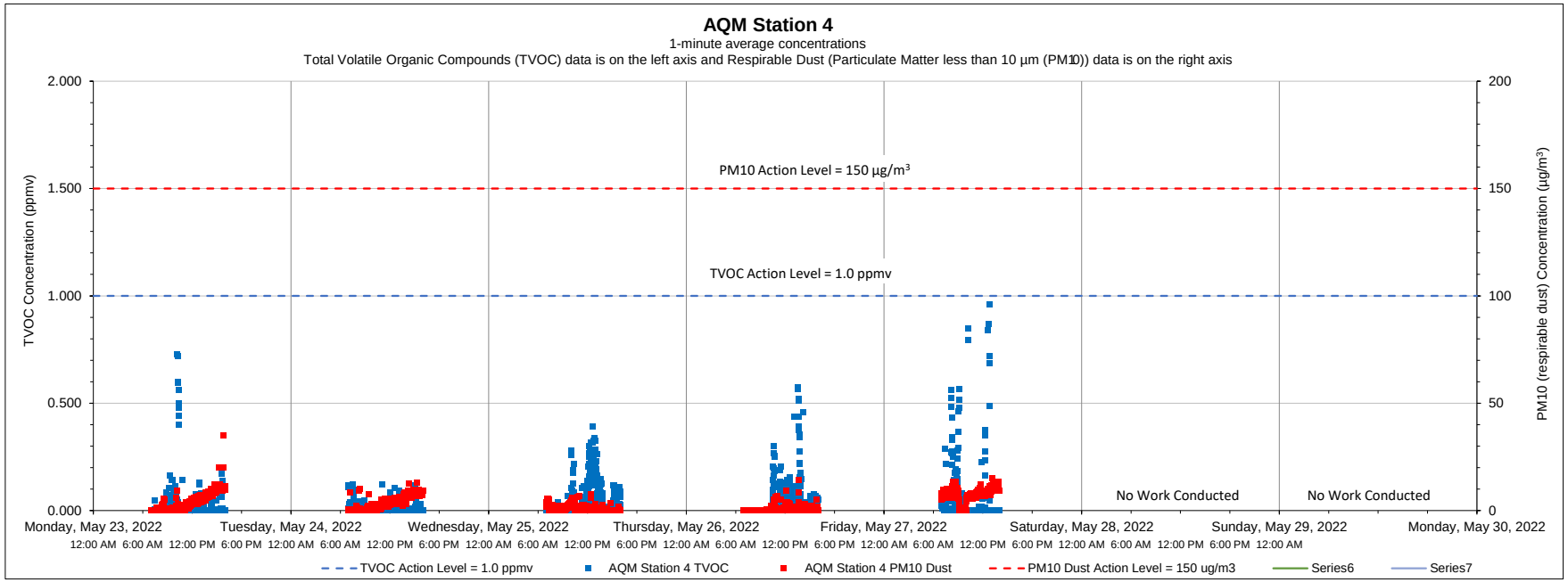

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.96	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.92	µg/m^3
PM10 maximum concentration	34.81	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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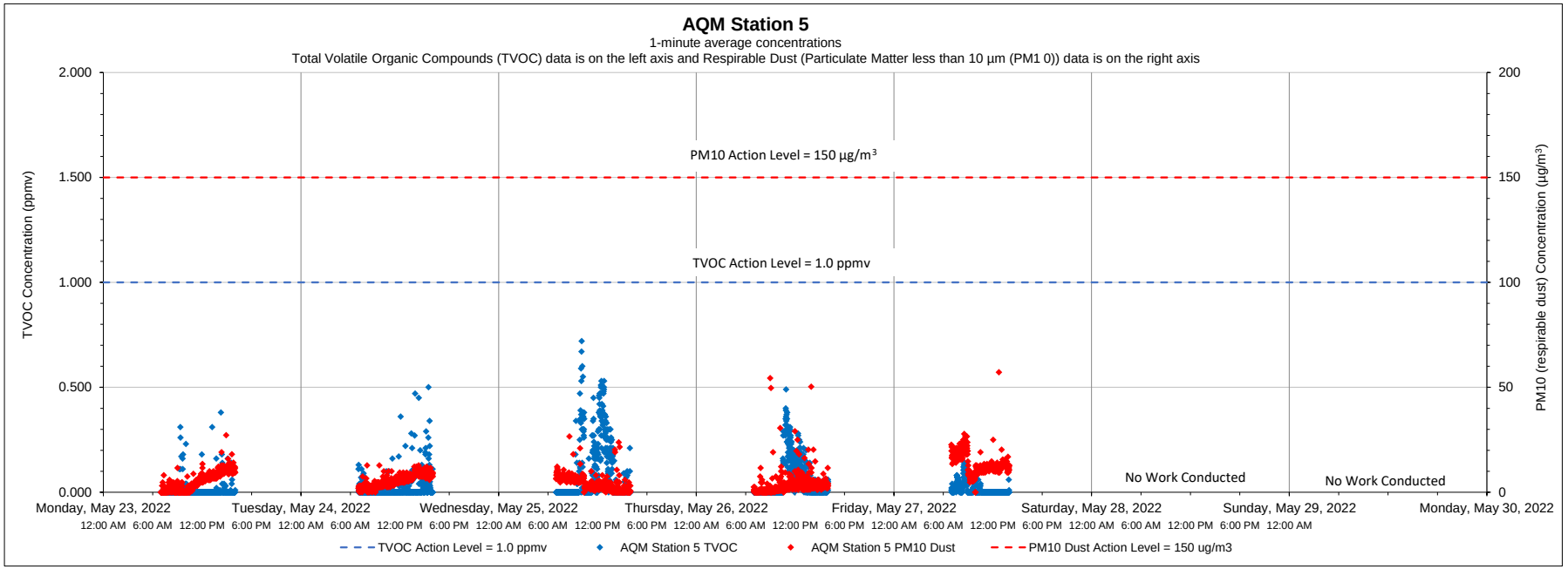

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.72	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.91	µg/m³
PM10 maximum concentration	57.16	µg/m³
PM10 action level	150	µg/m³

Notes:

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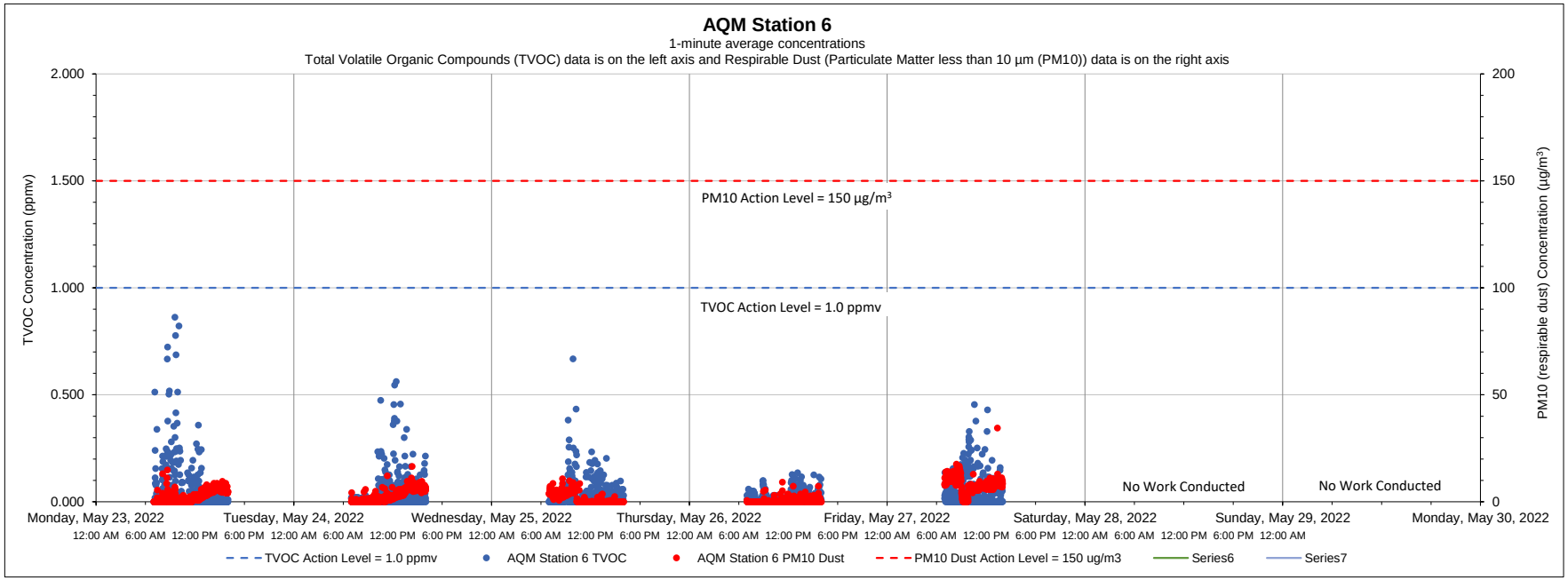

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.86	ppm
TVOCs action level	1	ppm
PM10 average concentration	2.79	µg/m³
PM10 maximum concentration	34.43	µg/m³
PM10 action level	150	µg/m³

Notes:

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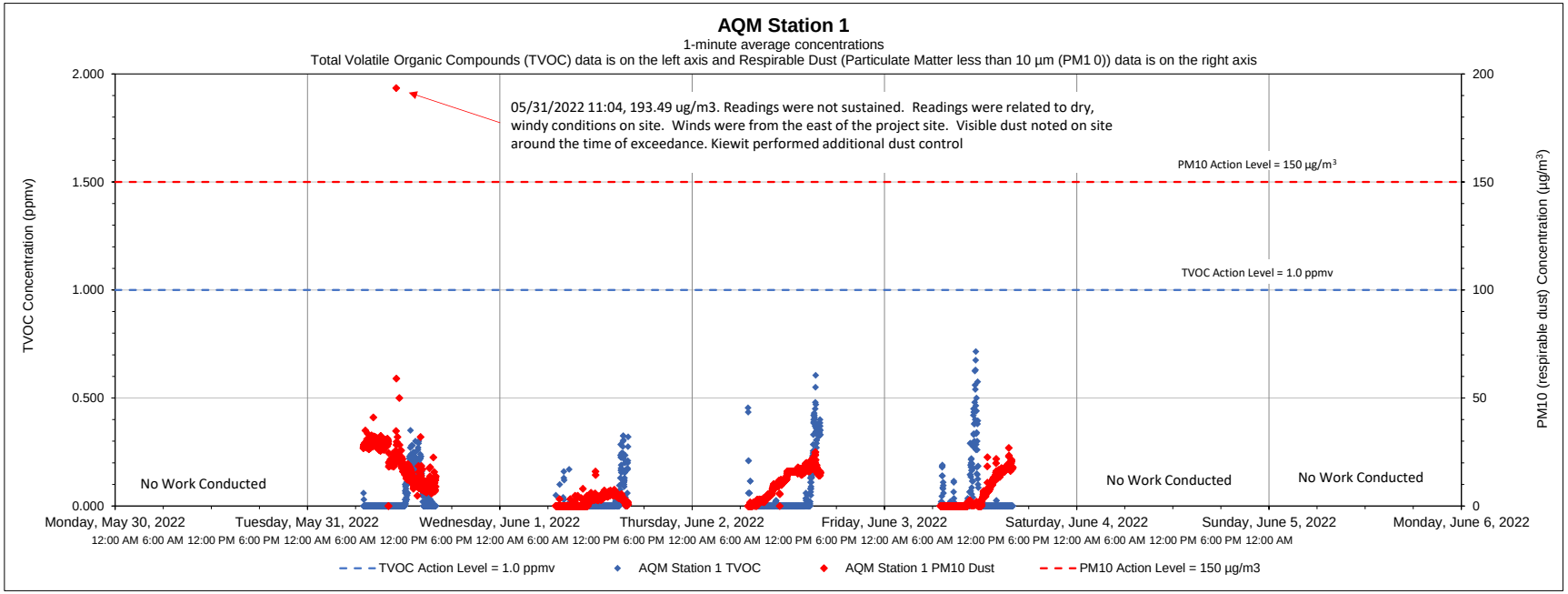

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.72	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.77	µg/m^3
PM10 maximum concentration	193.49	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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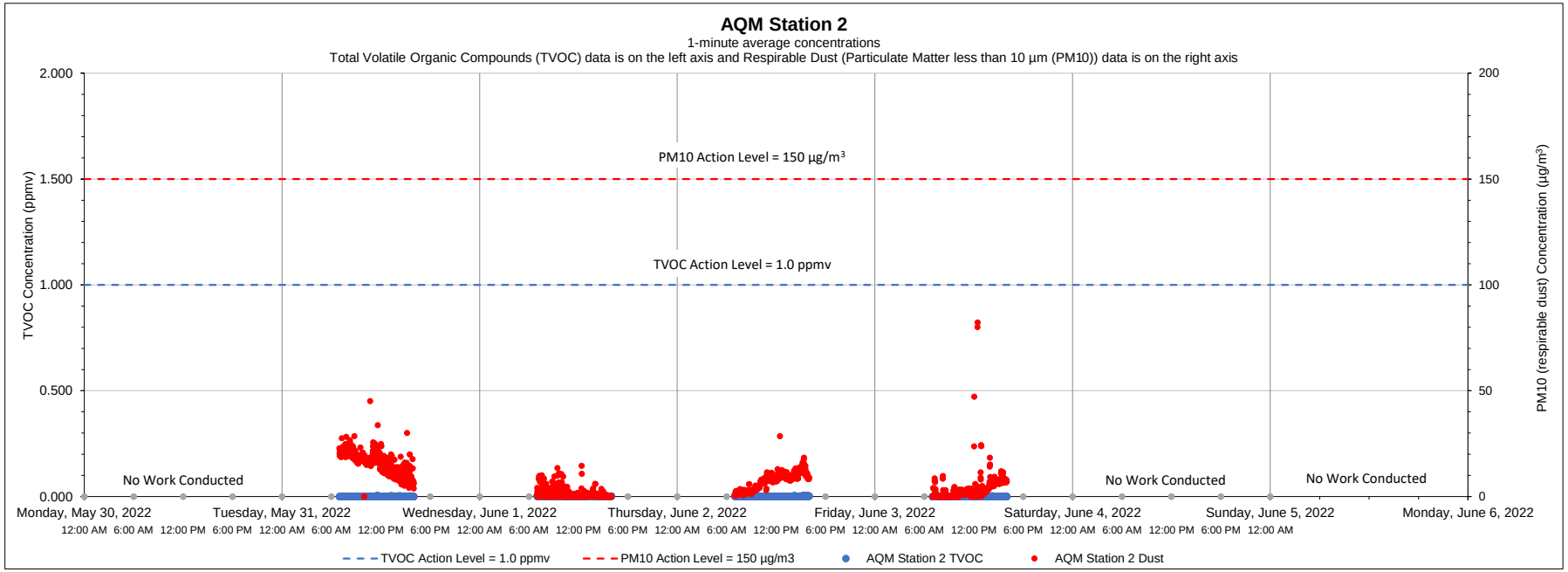

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.51	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.85	µg/m³
PM10 maximum concentration	82.25	µg/m³
PM10 action level	150	µg/m³

Notes:

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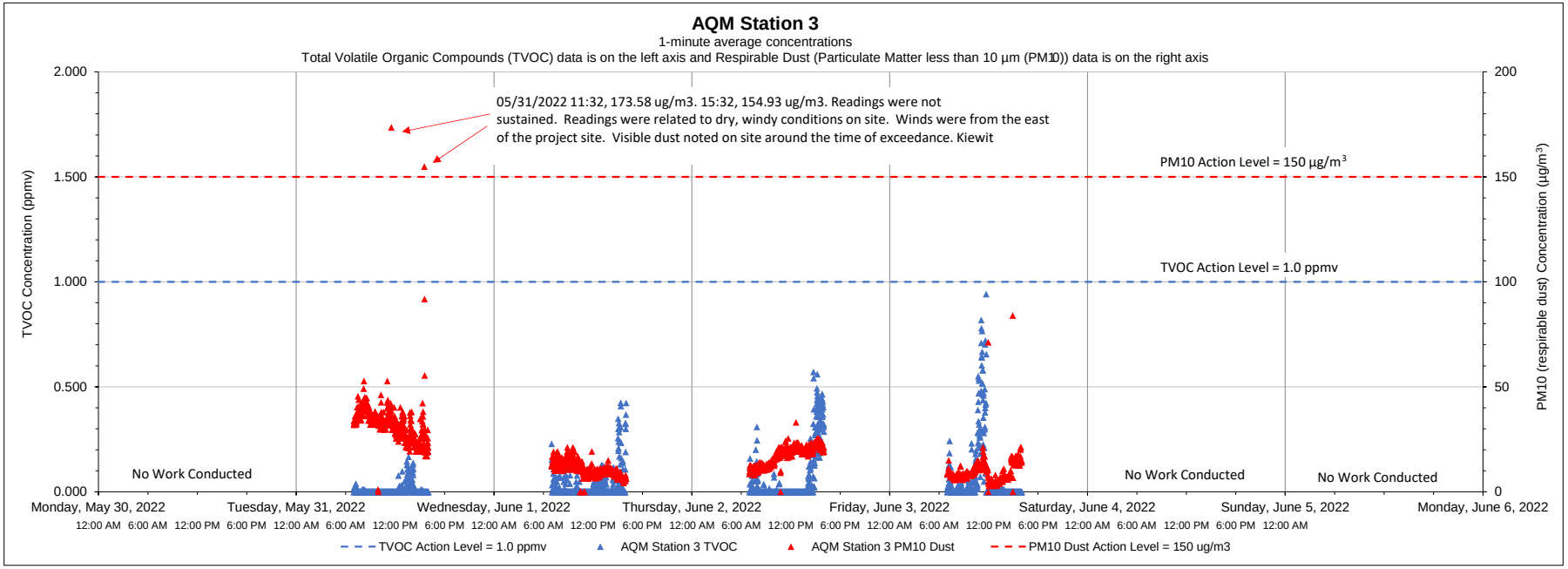

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.94	ppm
TVOCs action level	1	ppm
PM10 average concentration	17.30	µg/m^3
PM10 maximum concentration	173.58	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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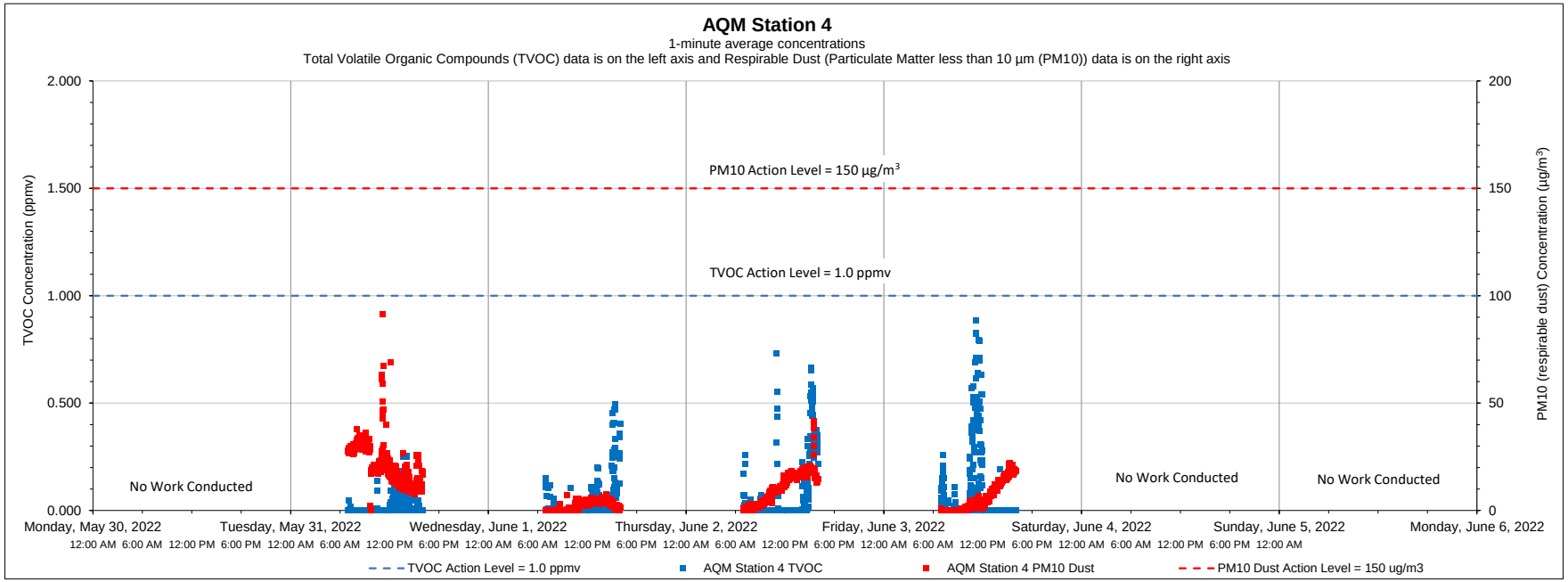

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.89	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.78	µg/m³
PM10 maximum concentration	91.20	µg/m³
PM10 action level	150	µg/m³

Notes:

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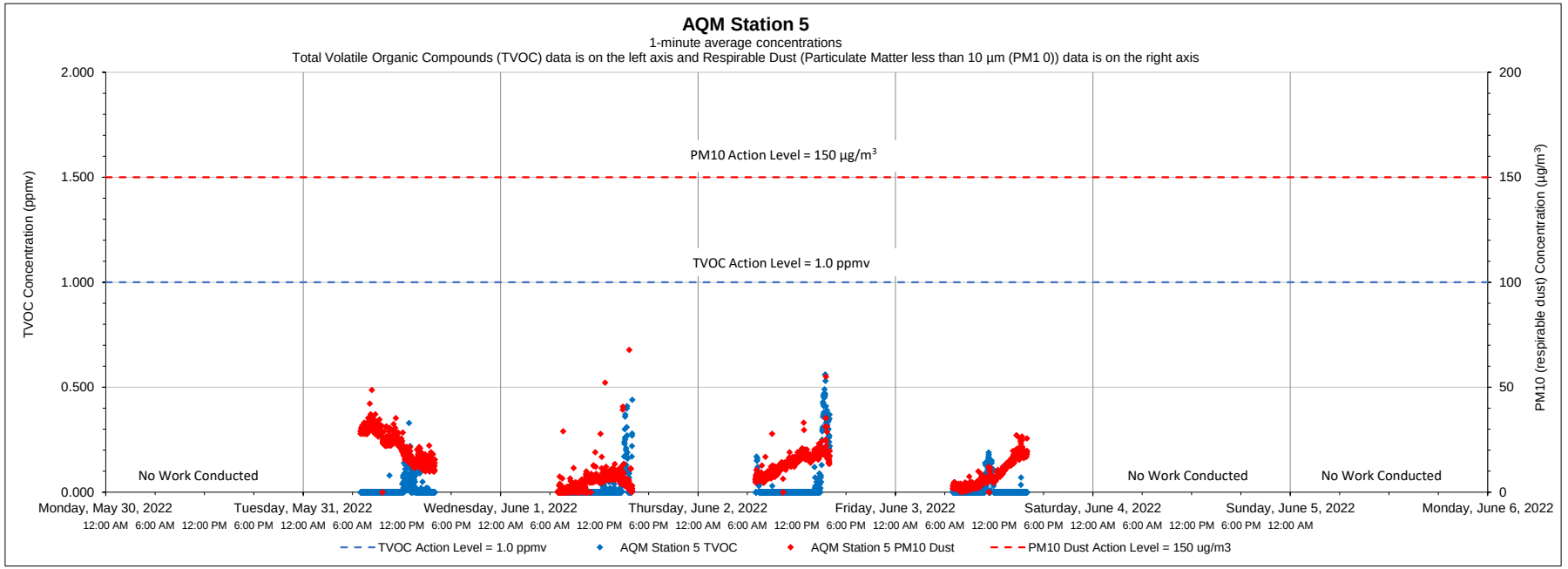

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.56	ppm
TVOCs action level	1	ppm
PM10 average concentration	12.34	µg/m^3
PM10 maximum concentration	67.81	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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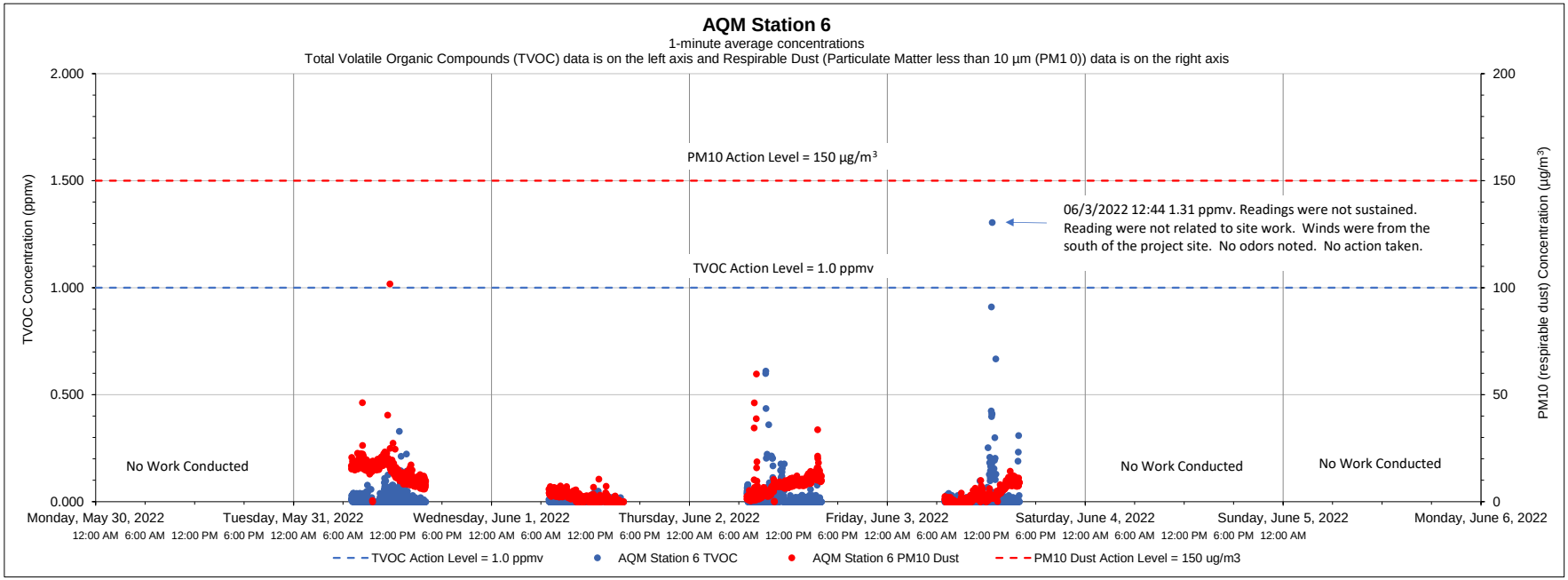

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	1.31	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.85	µg/m^3
PM10 maximum concentration	101.81	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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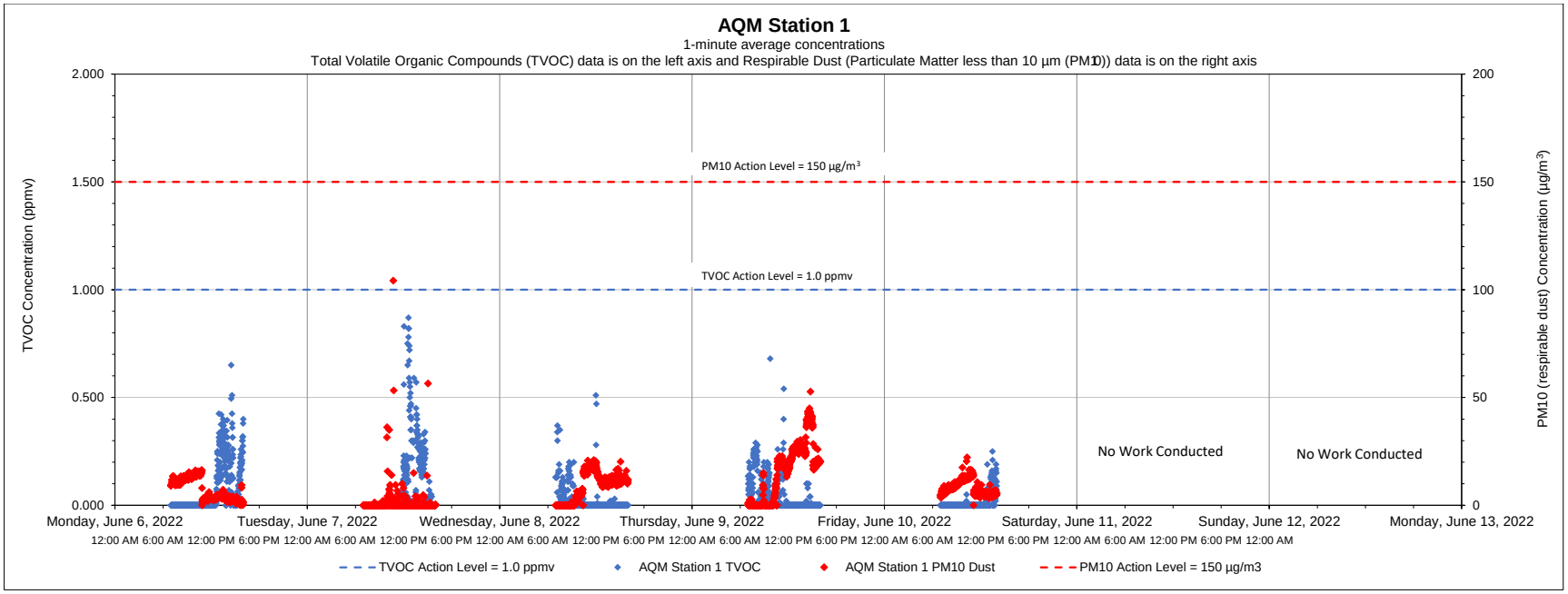

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.87	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.97	µg/m^3
PM10 maximum concentration	104.22	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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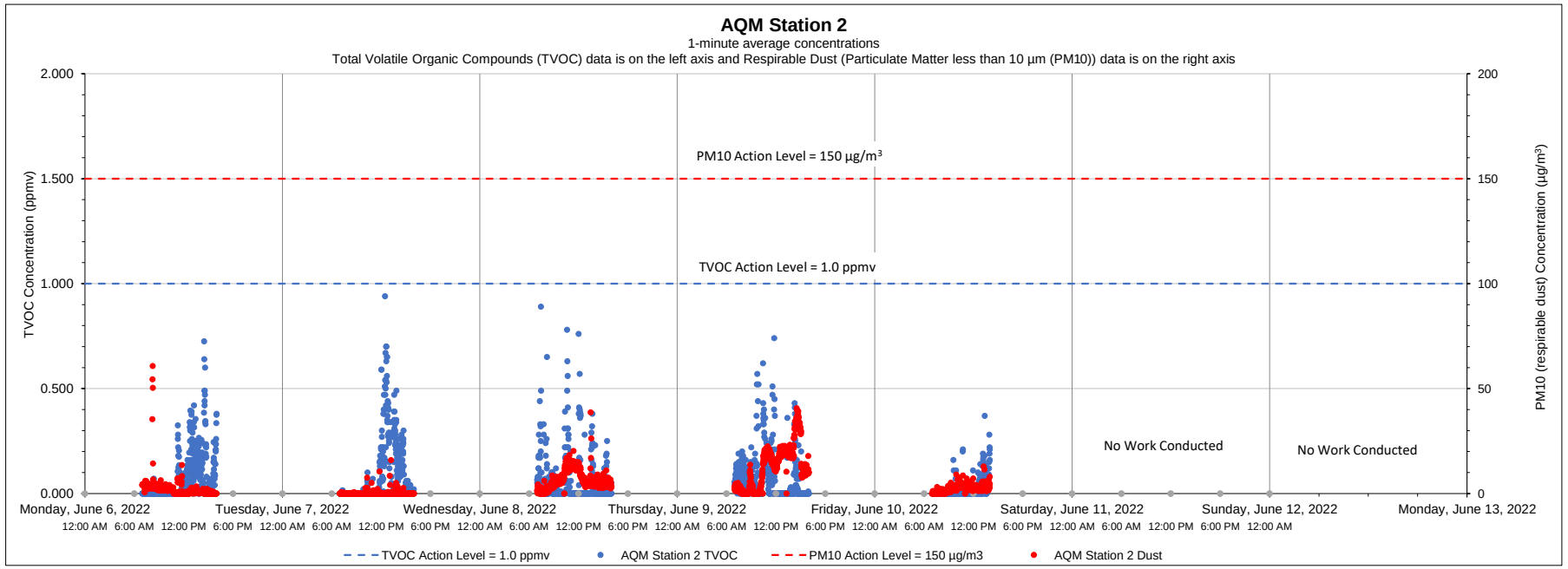

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.94	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.74	µg/m³
PM10 maximum concentration	60.70	µg/m³
PM10 action level	150	µg/m³

Notes:

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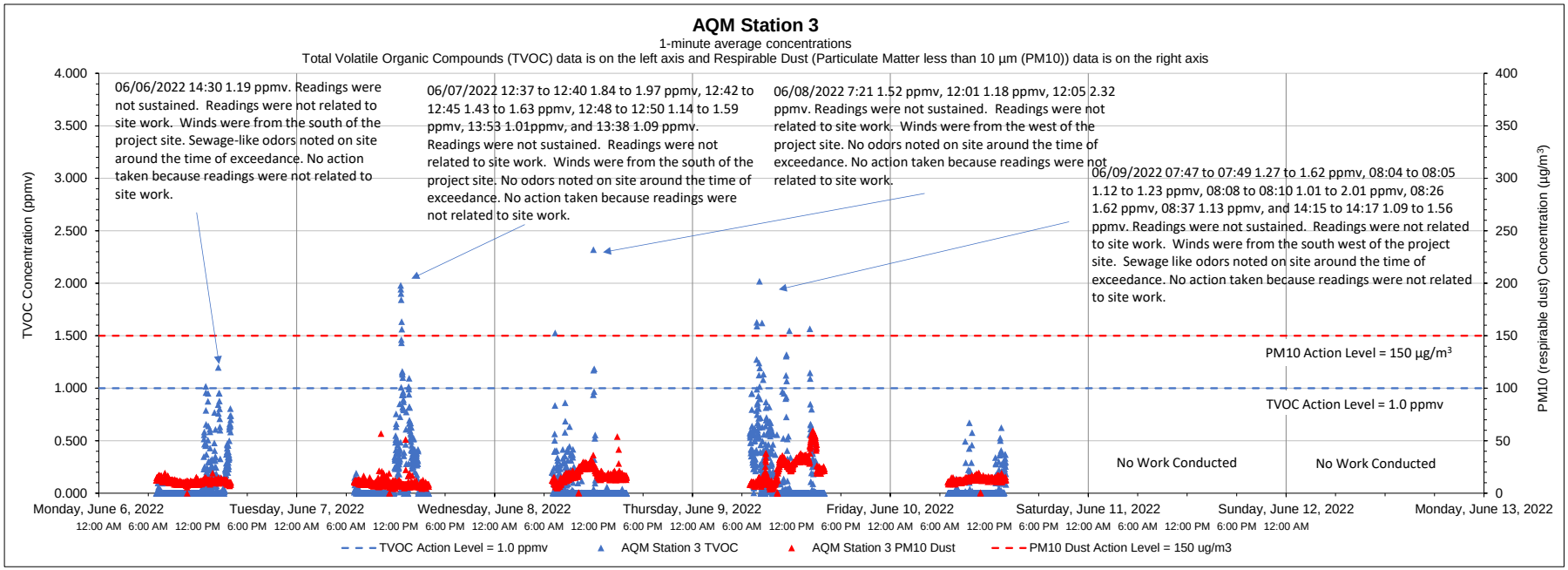

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.11	ppm
TVOCs maximum concentration	2.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.95	µg/m^3
PM10 maximum concentration	59.34	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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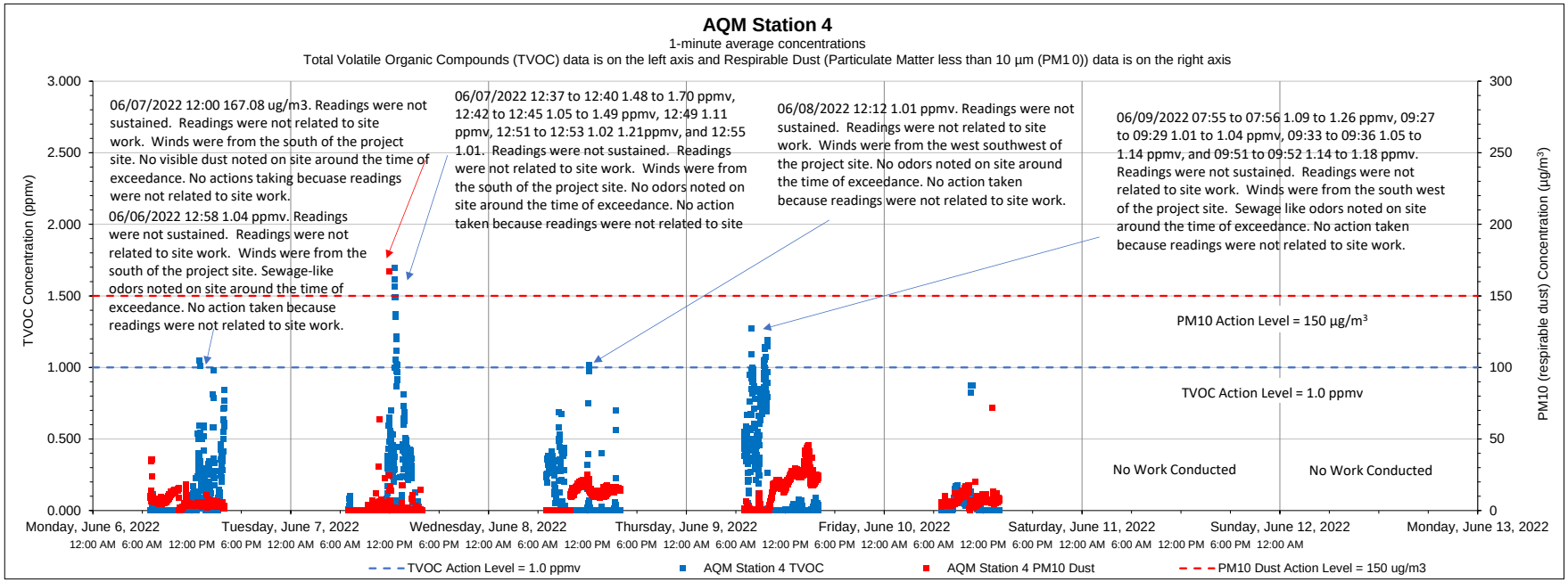

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.12	ppm
TVOCs maximum concentration	1.70	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.77	µg/m³
PM10 maximum concentration	167.08	µg/m³
PM10 action level	150	µg/m³

Notes:

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Prepared by GZA on behalf of National Grid LNG LLC

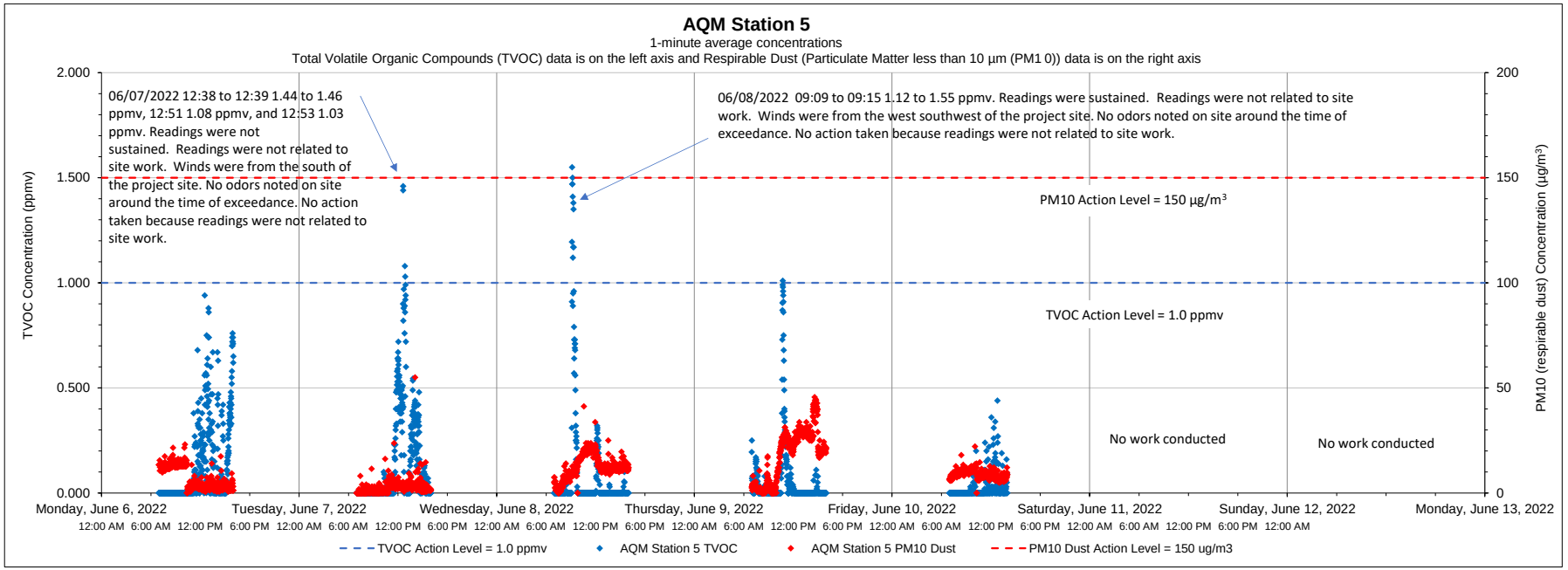
GZA Job No. 03.0033554.04

06/13/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
6/8/2022	9:09 to 9:15	TVOC	1.12 to 1.55 ppmv	No actions taken, readings not related to site work.
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	1.55	ppm
TVOCs action level	1	ppm
PM10 average concentration	9.71	µg/m³
PM10 maximum concentration	54.99	µg/m³
PM10 action level	150	µg/m³

Notes:

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2) The location of each AQM Station is presented on the attached summary figure.

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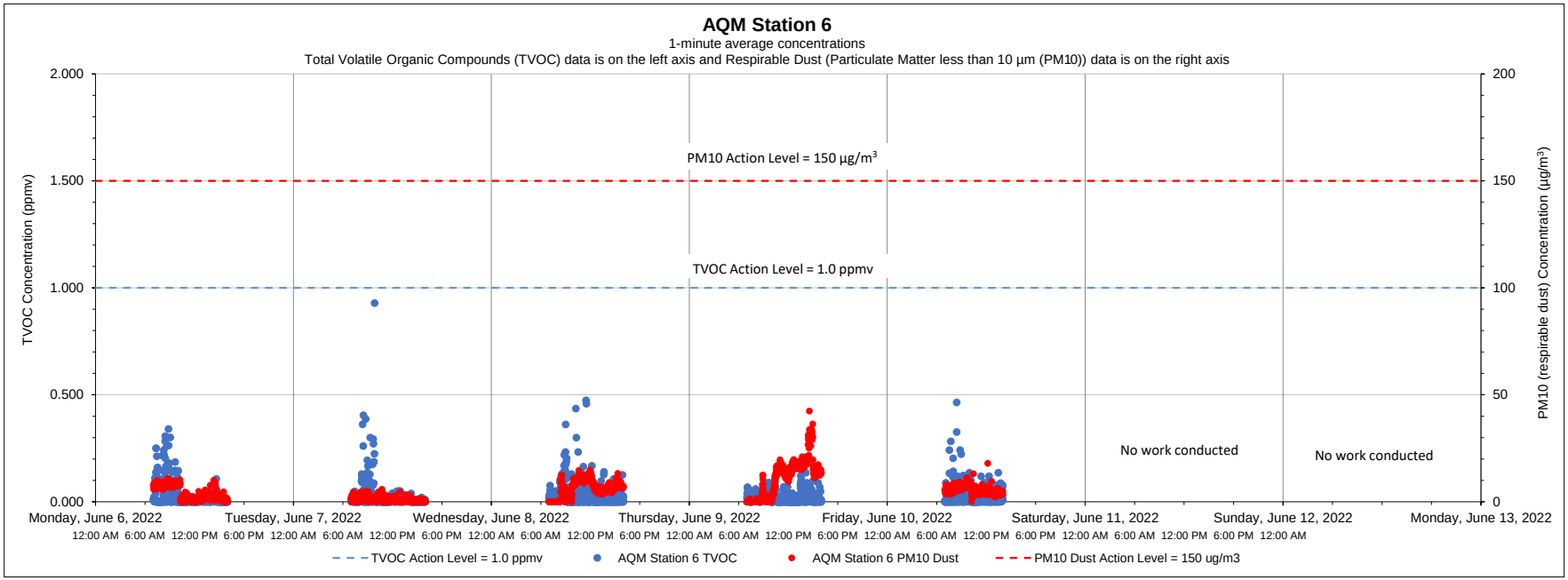

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.93	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.45	µg/m³
PM10 maximum concentration	42.41	µg/m³
PM10 action level	150	µg/m³

Notes:

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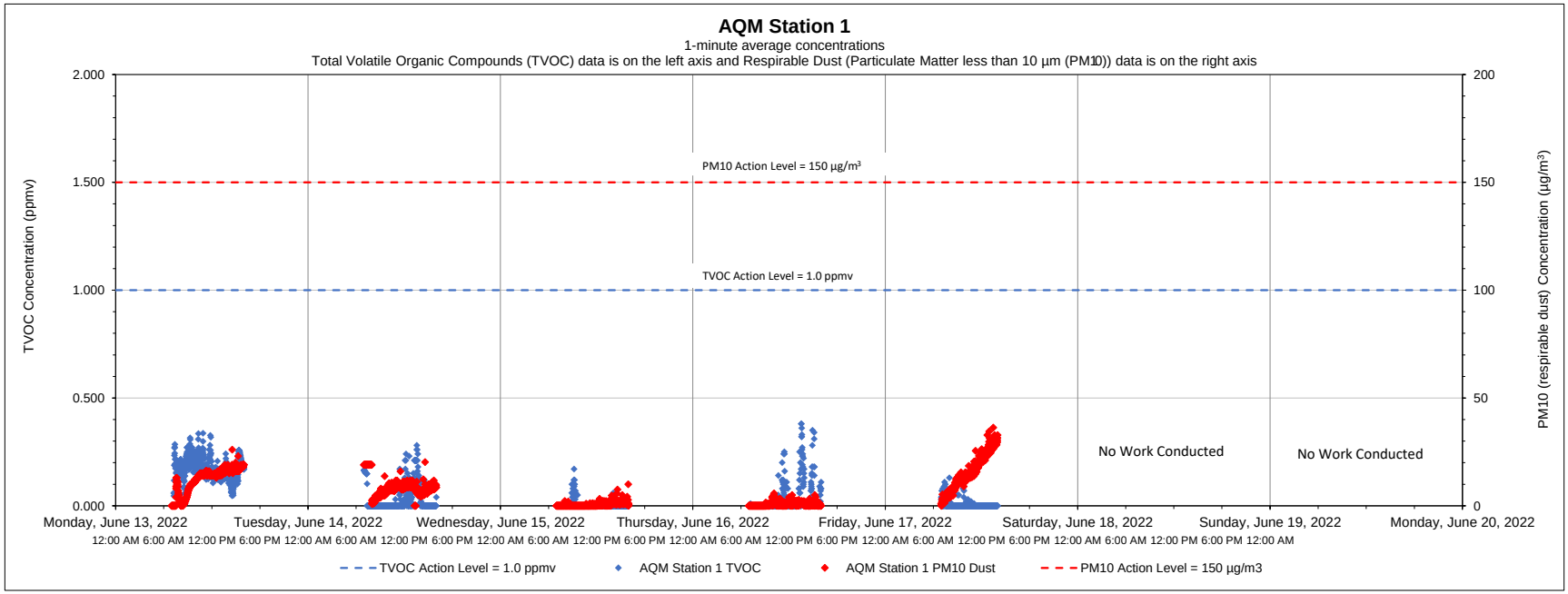

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.38	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.10	µg/m^3
PM10 maximum concentration	36.23	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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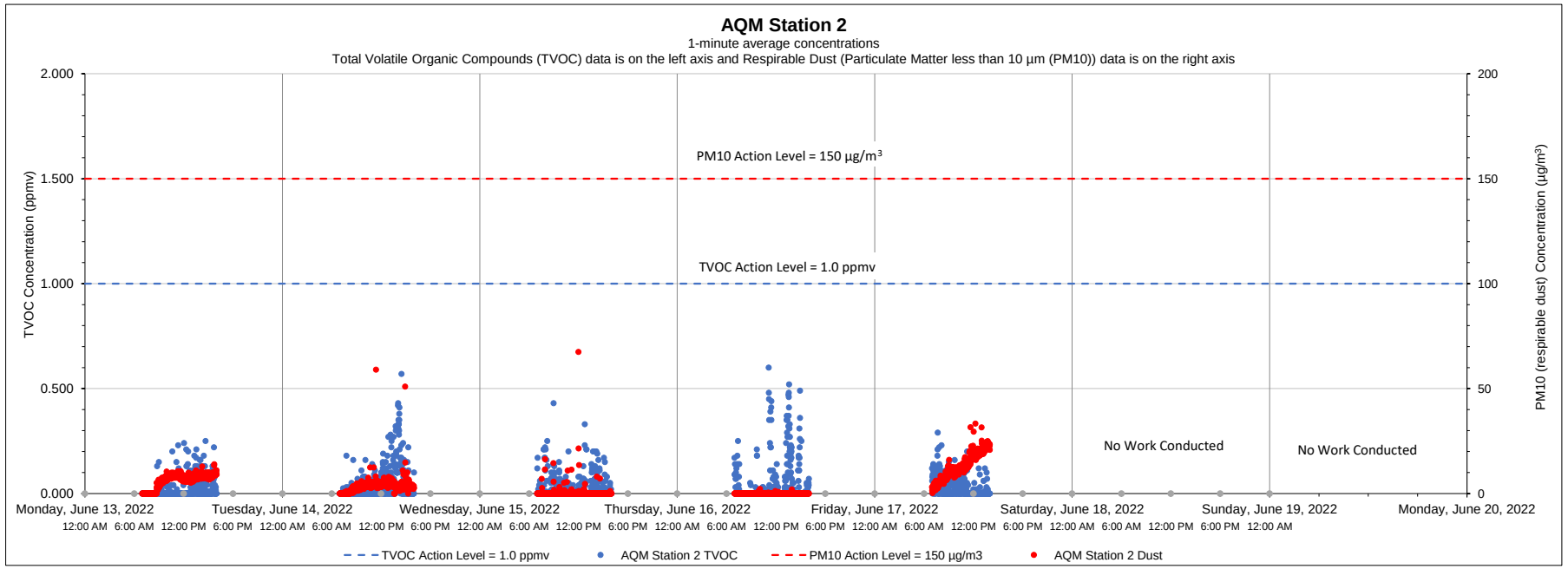

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.60	ppm
TVOCs action level	1	ppm
PM10 average concentration	4.18	µg/m³
PM10 maximum concentration	67.42	µg/m³
PM10 action level	150	µg/m³

Notes:

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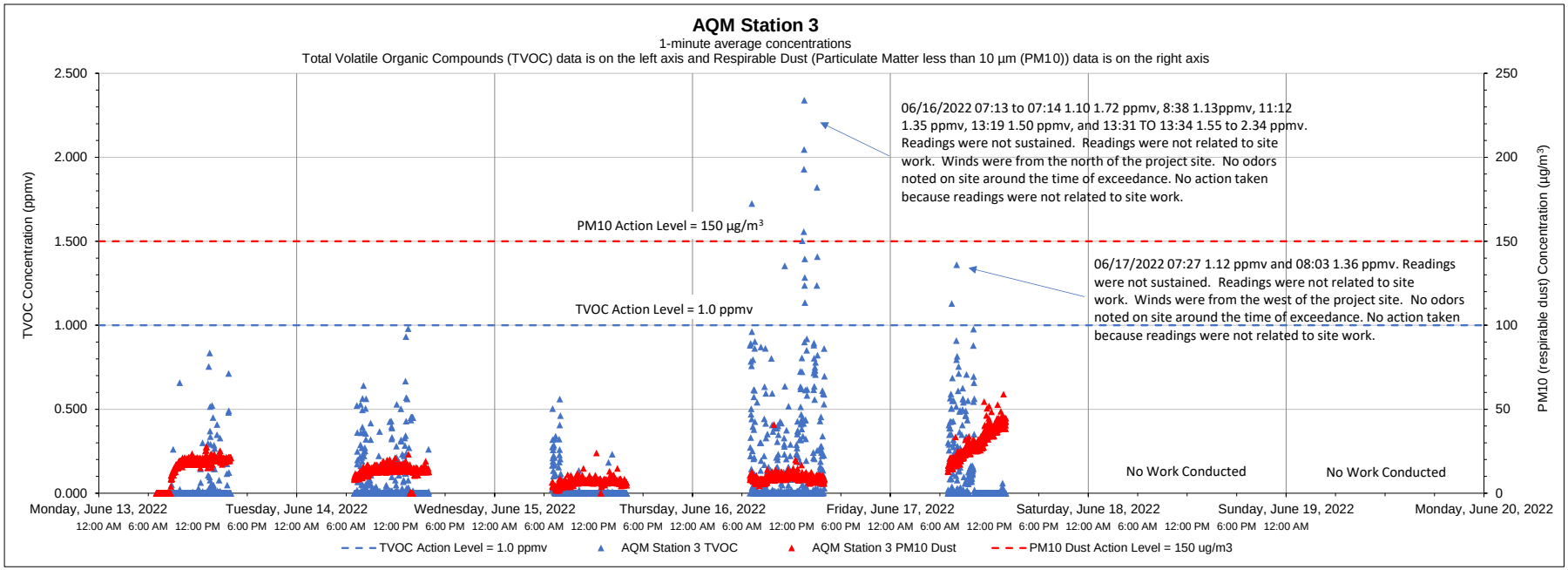

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.07	ppm
TVOCs maximum concentration	2.34	ppm
TVOCs action level	1	ppm
PM10 average concentration	14.01	µg/m^3
PM10 maximum concentration	58.99	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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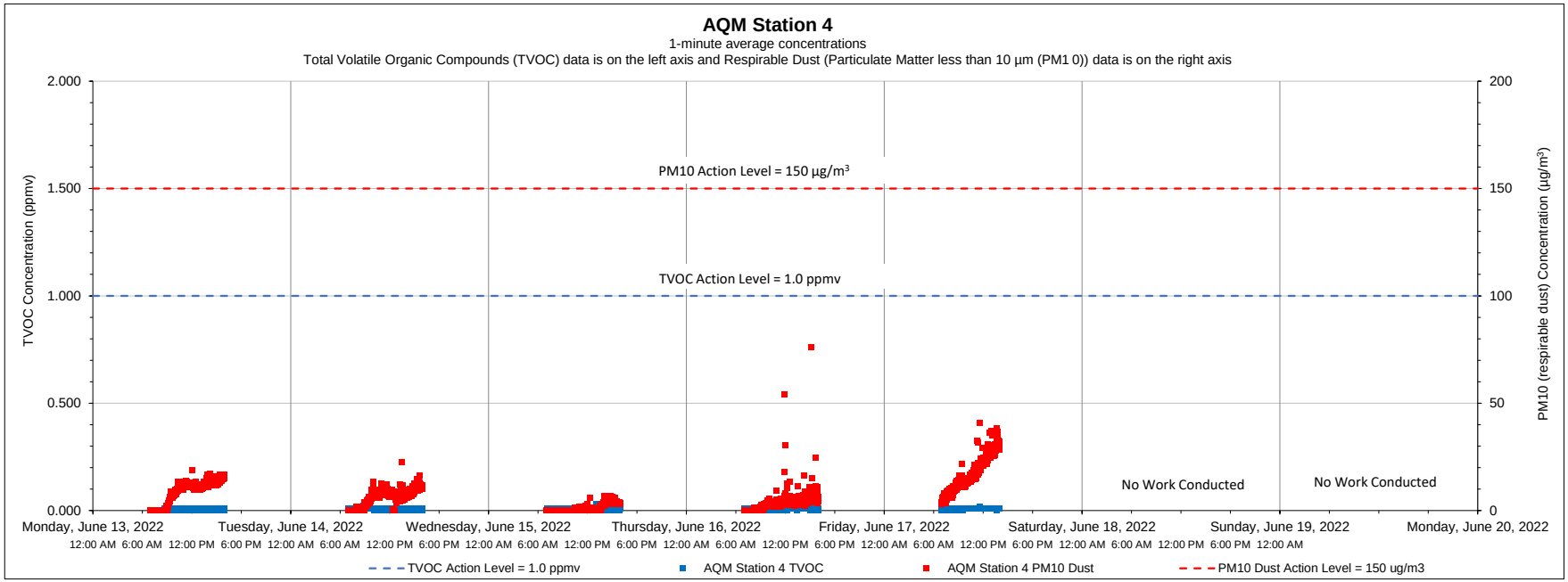

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.03	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.74	µg/m³
PM10 maximum concentration	75.89	µg/m³
PM10 action level	150	µg/m³

Notes:

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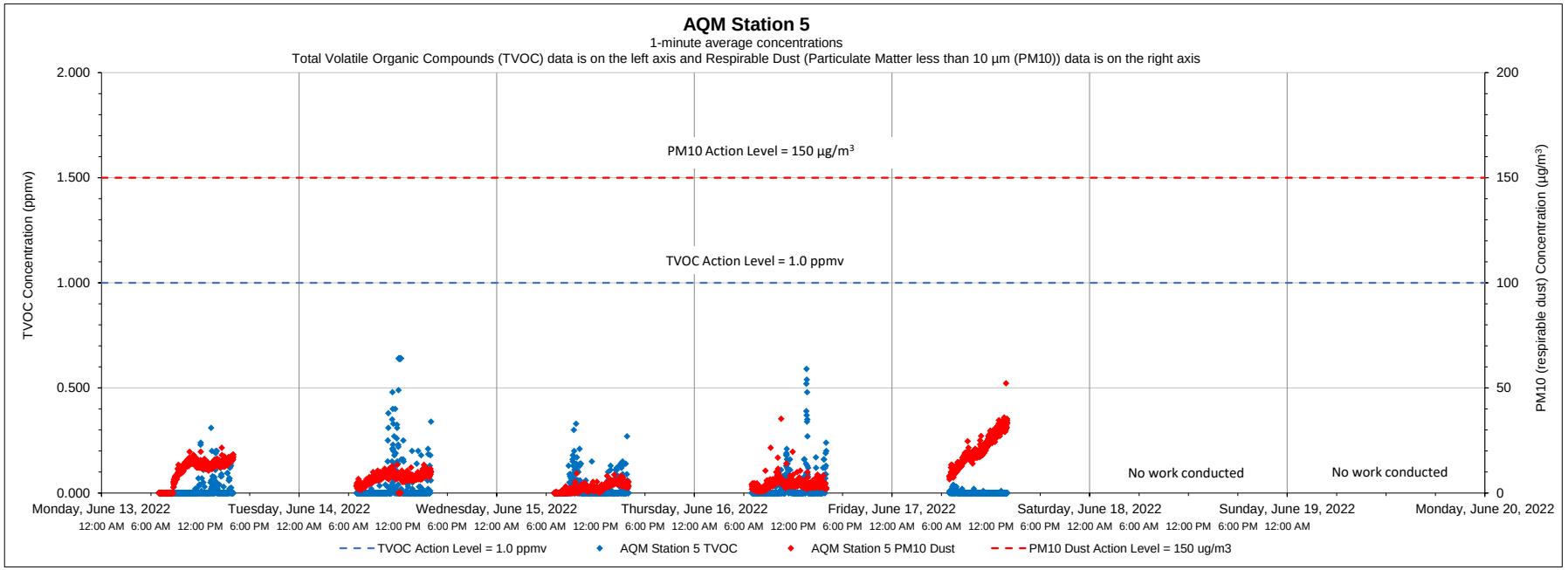

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.02	ppm
TVOCs maximum concentration	0.64	ppm
TVOCs action level	1	ppm
PM10 average concentration	8.47	µg/m³
PM10 maximum concentration	52.19	µg/m³
PM10 action level	150	µg/m³

Notes:

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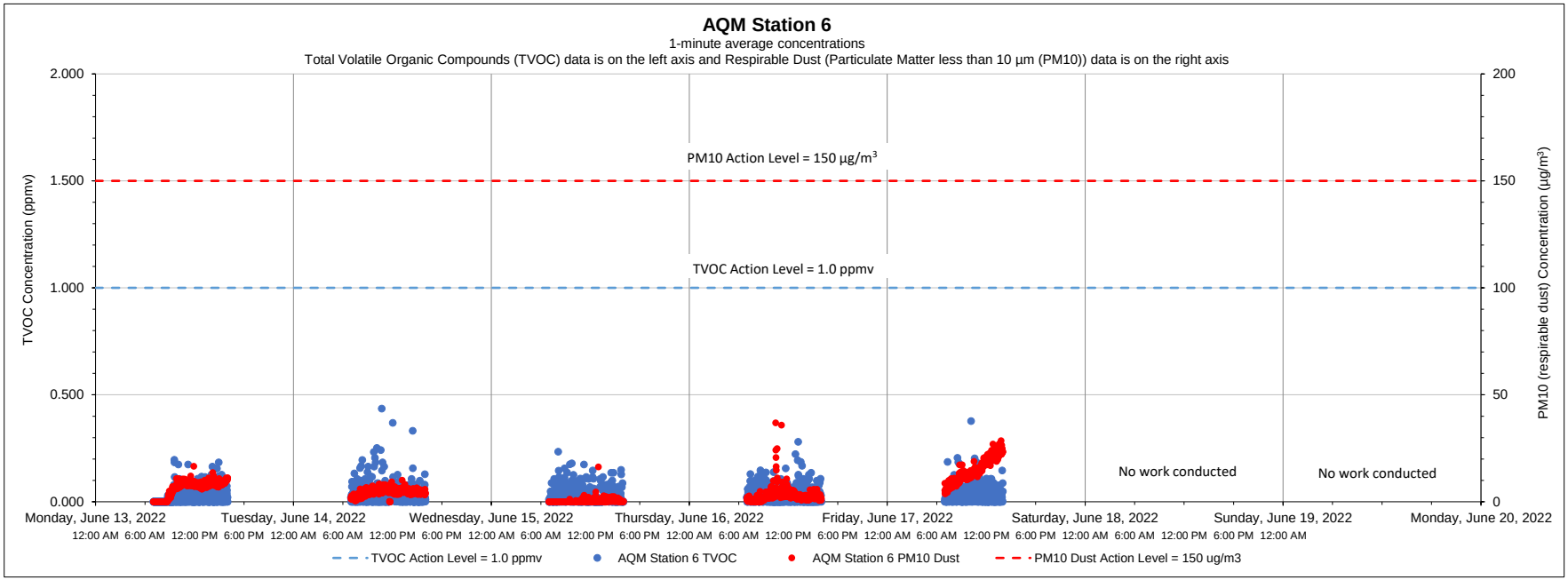

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	0.44	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.27	µg/m³
PM10 maximum concentration	36.88	µg/m³
PM10 action level	150	µg/m³

Notes:

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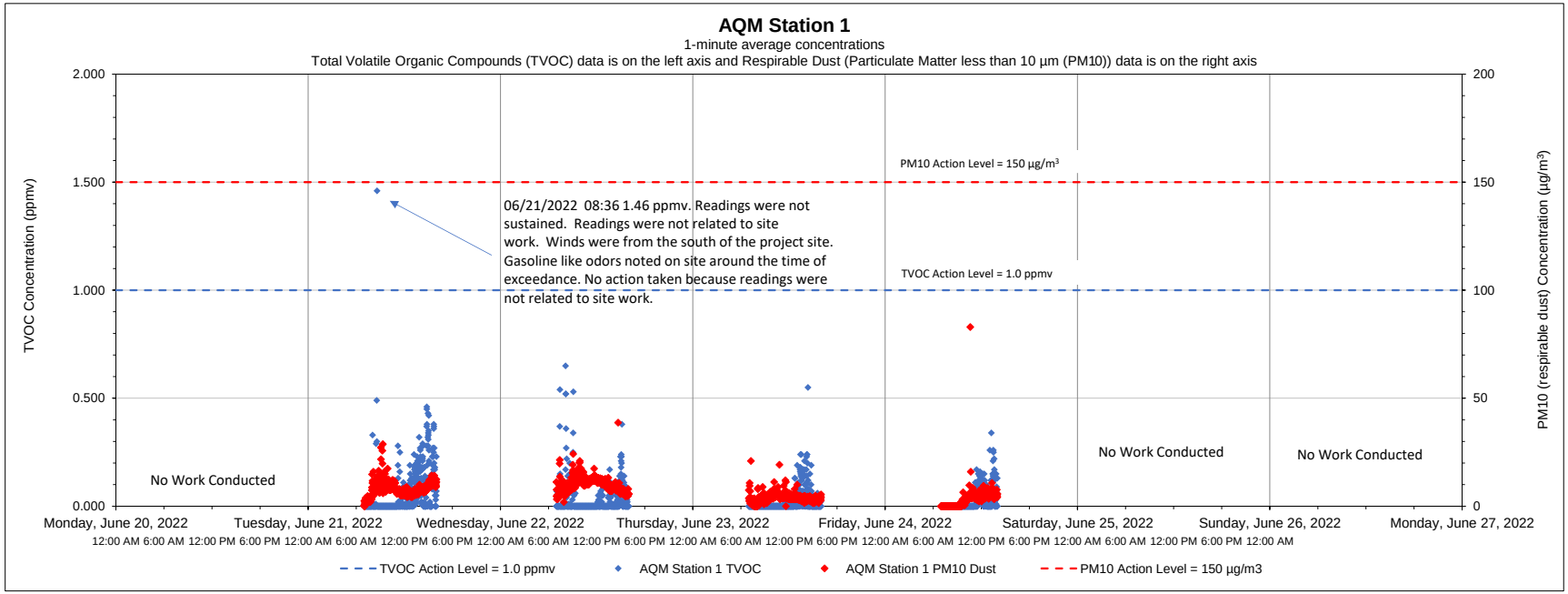

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.03	ppm
TVOCs maximum concentration	1.46	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.41	µg/m^3
PM10 maximum concentration	82.98	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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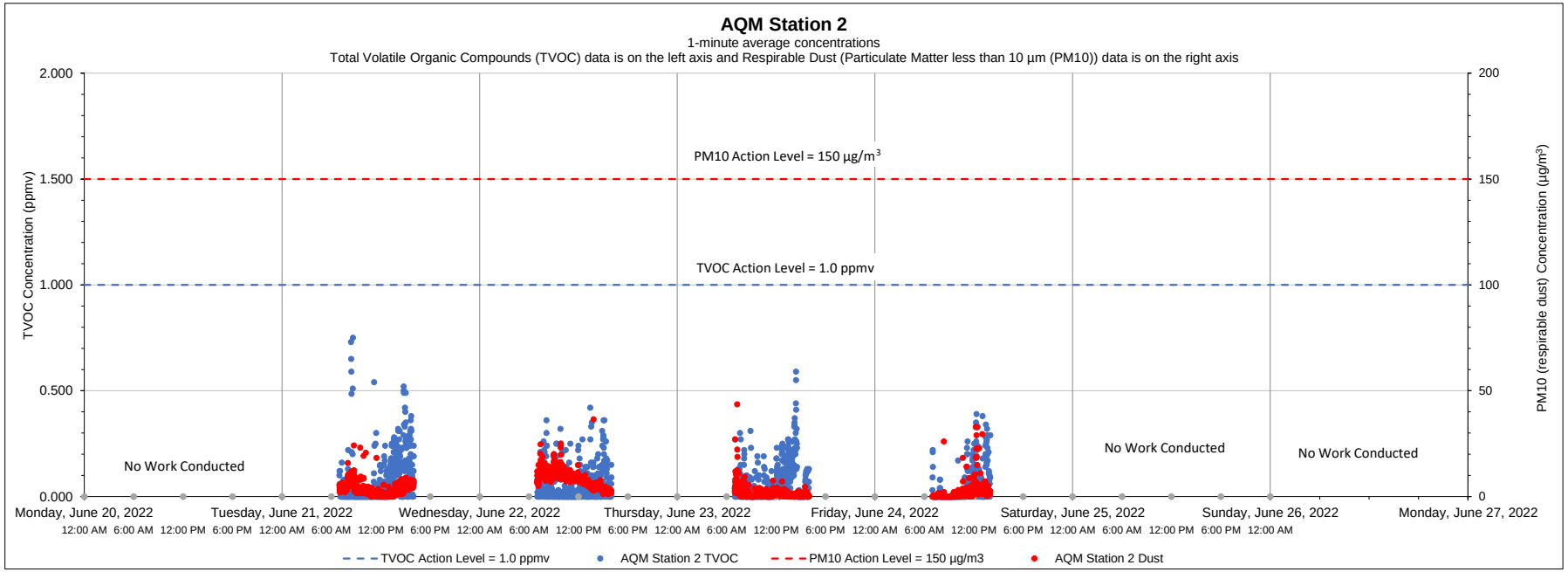

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.75	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.84	µg/m³
PM10 maximum concentration	43.55	µg/m³
PM10 action level	150	µg/m³

Notes:

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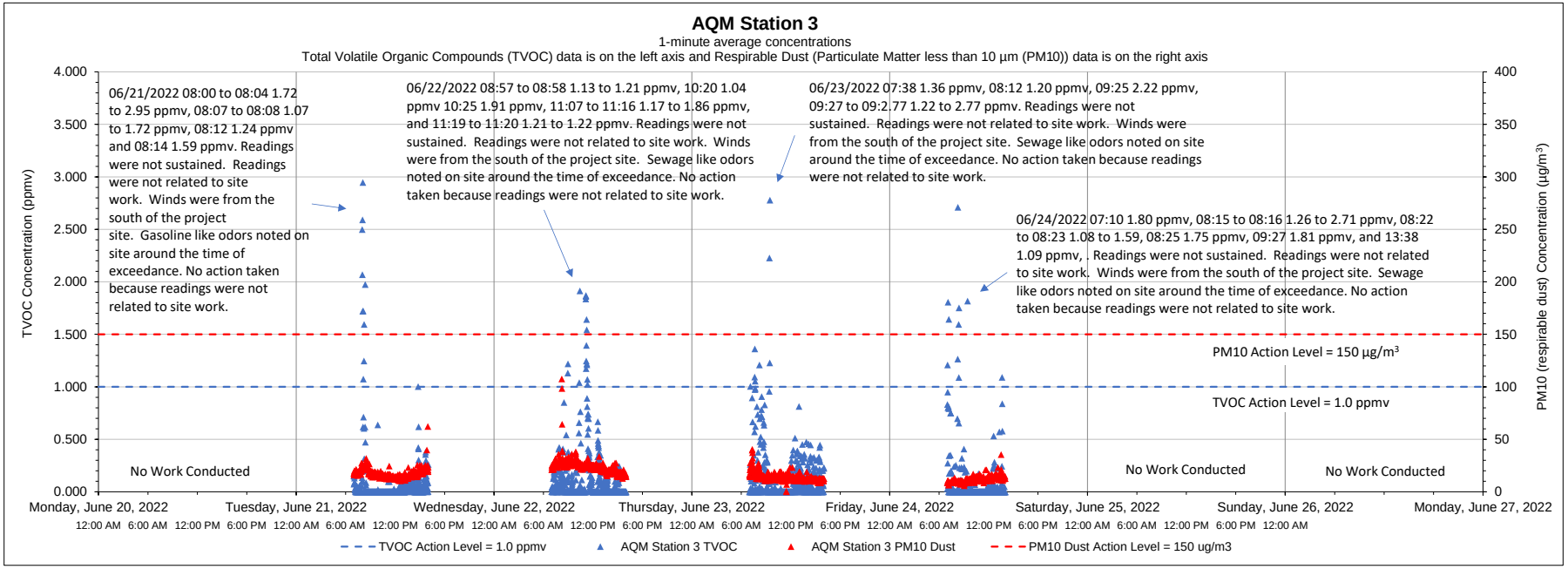

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.10	ppm
TVOCs maximum concentration	2.95	ppm
TVOCs action level	1	ppm
PM10 average concentration	16.84	µg/m^3
PM10 maximum concentration	107.48	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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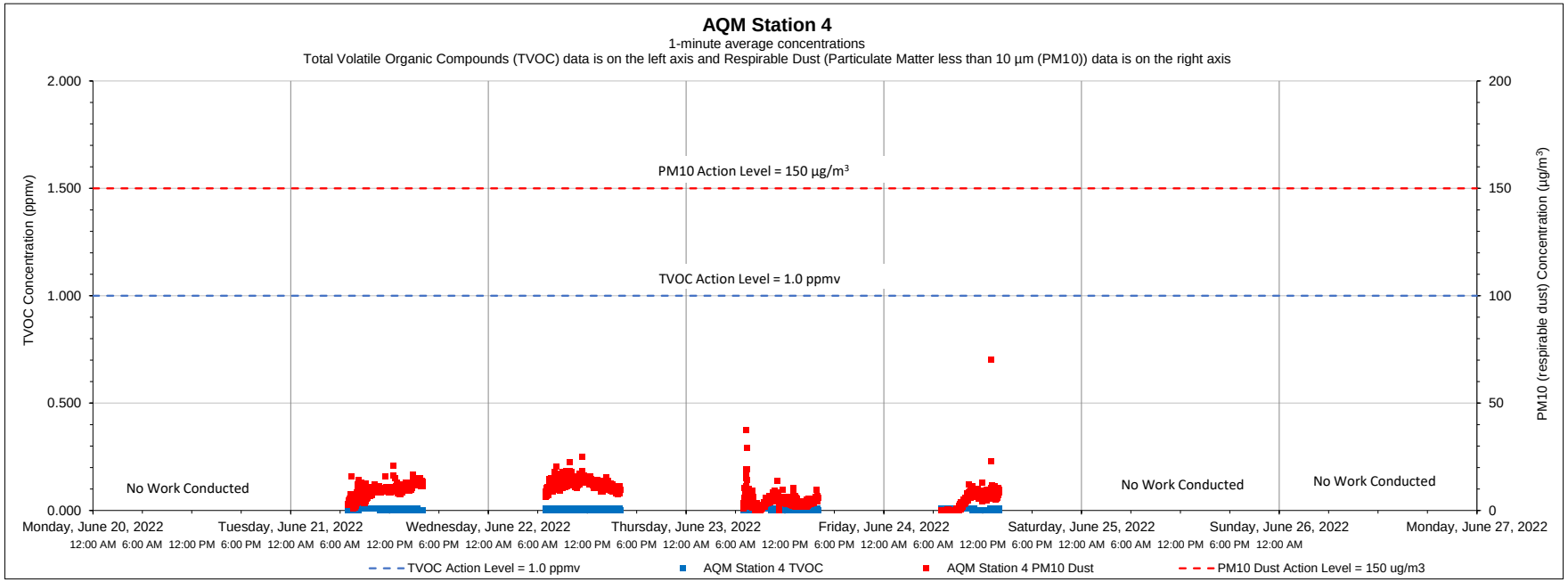

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.01	ppm
TVOCs maximum concentration	0.02	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.79	µg/m³
PM10 maximum concentration	70.18	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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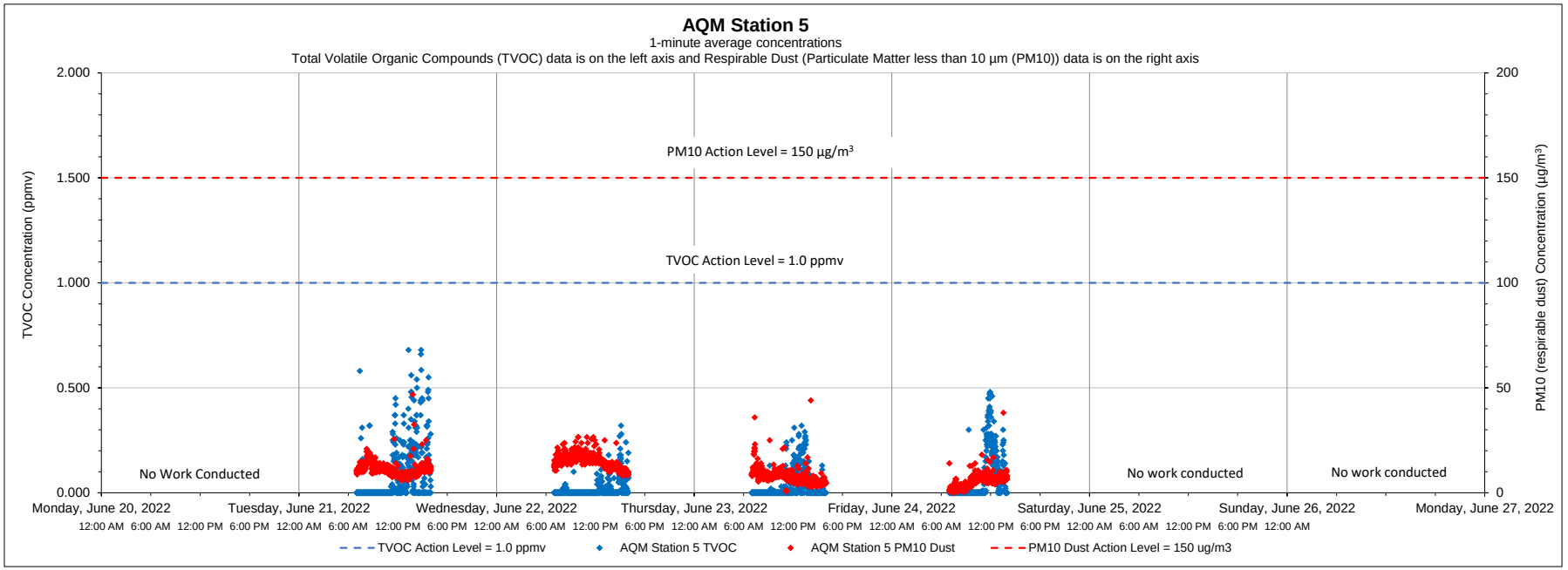

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.68	ppm
TVOCs action level	1	ppm
PM10 average concentration	10.03	µg/m³
PM10 maximum concentration	46.85	µg/m³
PM10 action level	150	µg/m³

Notes:

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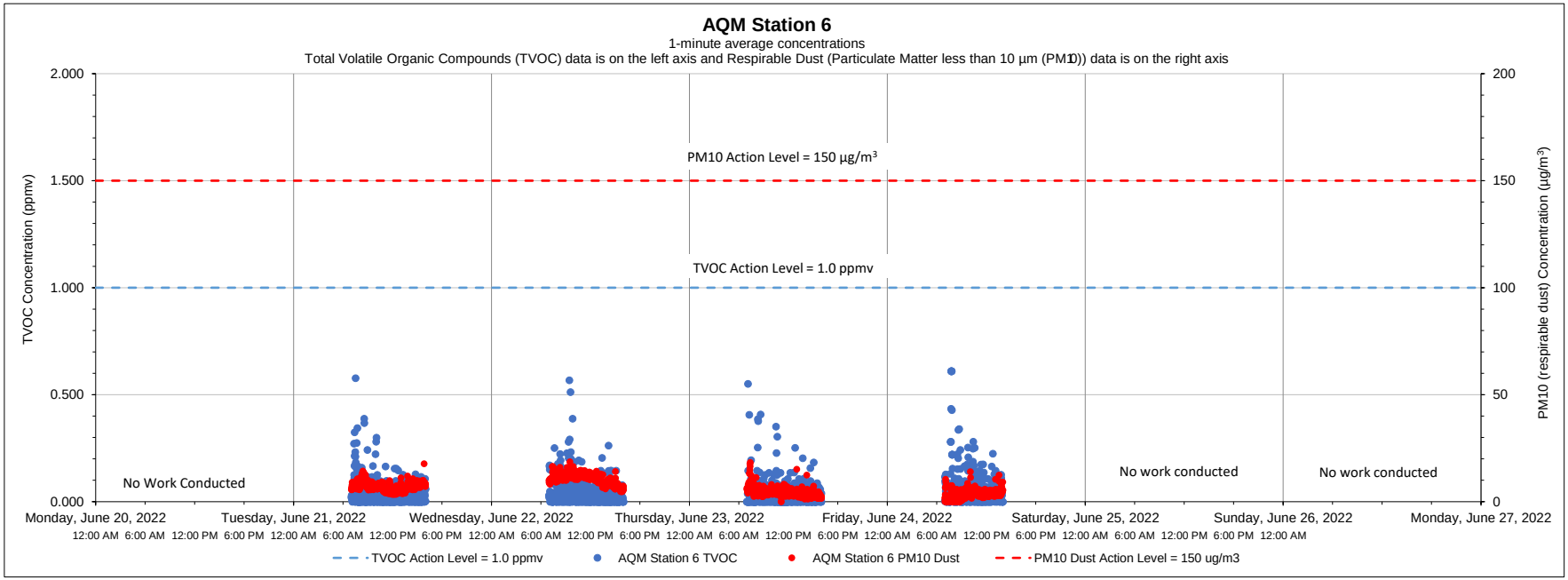

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.61	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.56	µg/m³
PM10 maximum concentration	18.65	µg/m³
PM10 action level	150	µg/m³

Notes:

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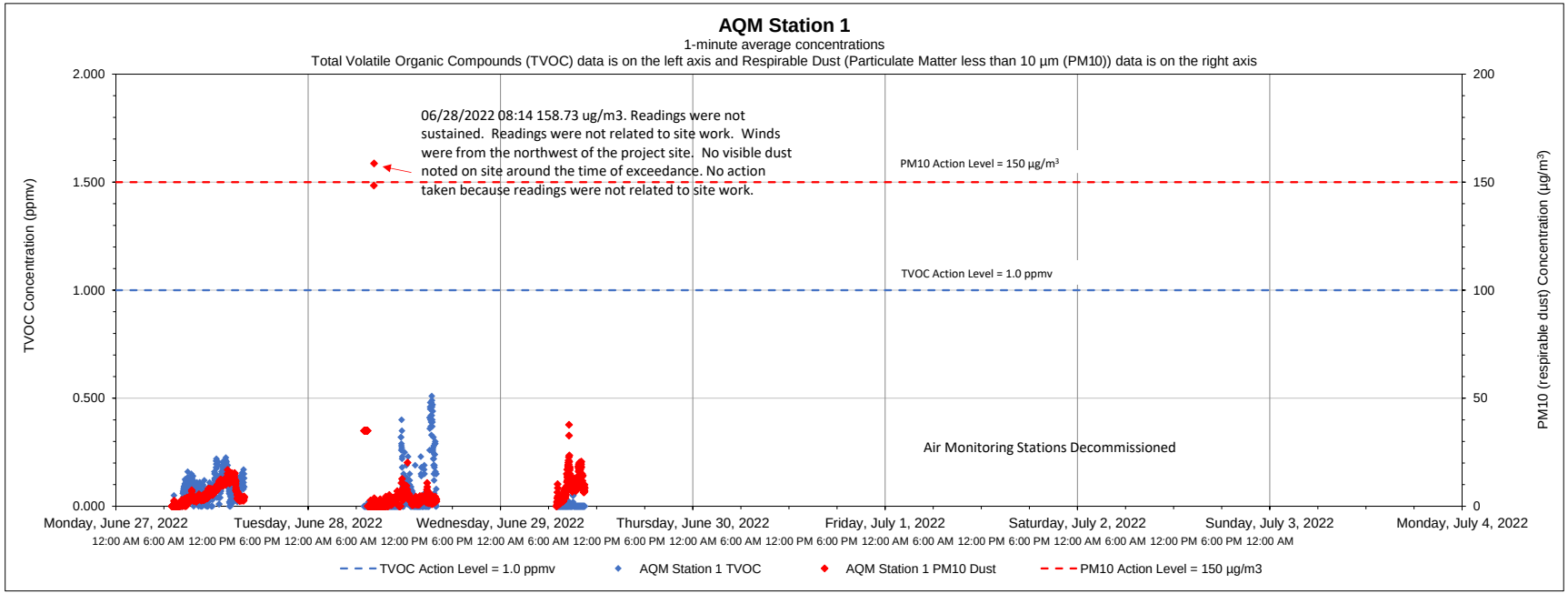

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.05	ppm
TVOCs maximum concentration	0.51	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.80	µg/m^3
PM10 maximum concentration	158.73	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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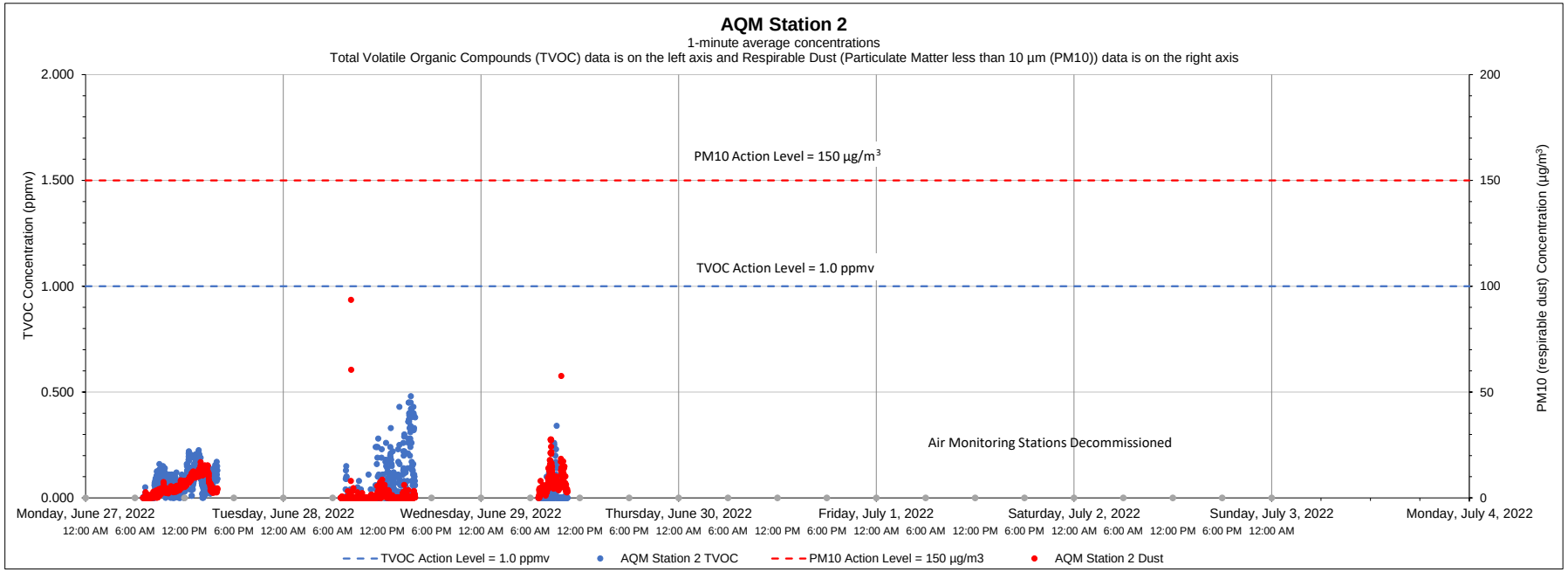

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	0.48	ppm
TVOCs action level	1	ppm
PM10 average concentration	3.88	µg/m³
PM10 maximum concentration	93.60	µg/m³
PM10 action level	150	µg/m³

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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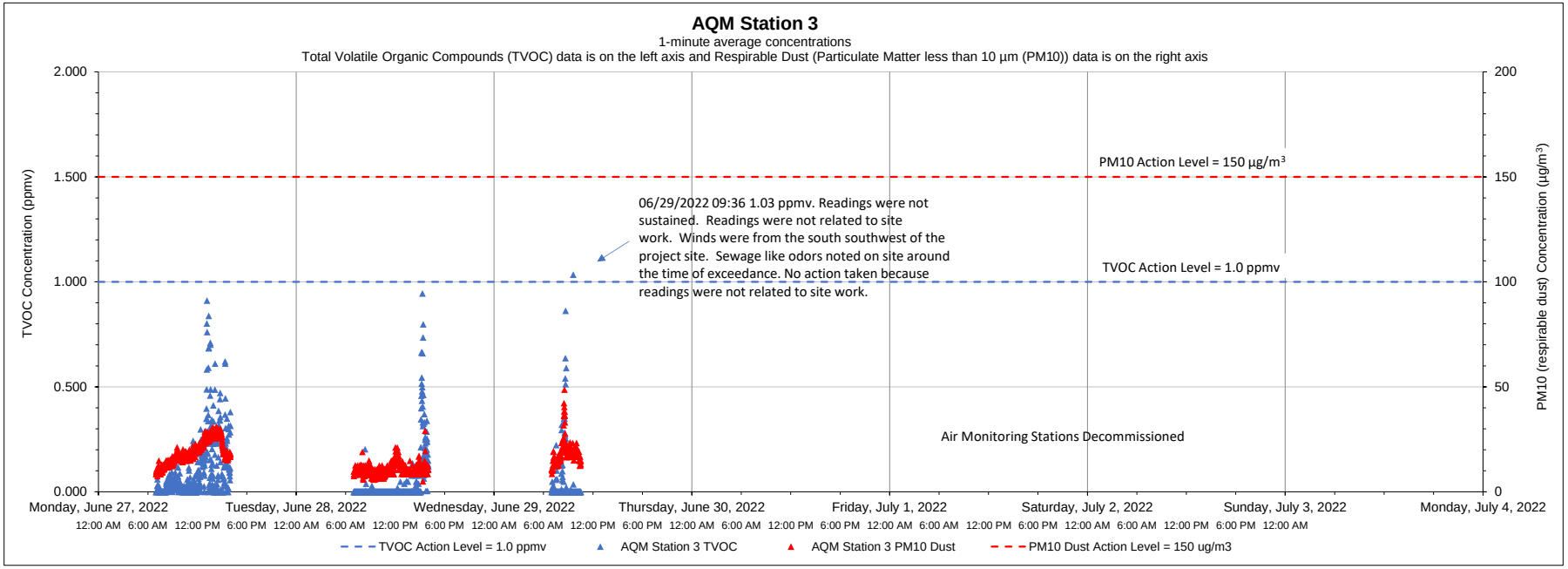


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.03	ppm
TVOCs action level	1	ppm
PM10 average concentration	15.22	µg/m^3
PM10 maximum concentration	48.70	µg/m^3
PM10 action level	150	µg/m^3

Notes:

1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

2) The location of each AQM Station is presented on the attached summary figure.

3) Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.

Prepared by GZA on behalf of National Grid LNG LLC

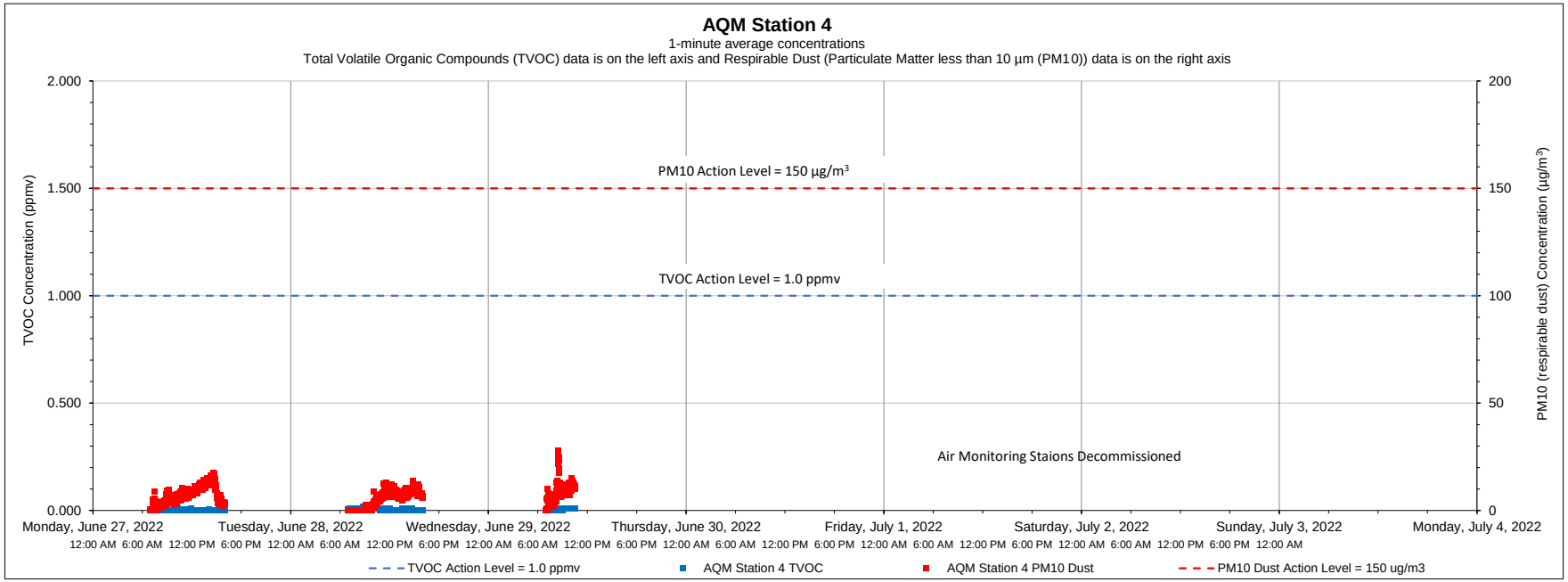
GZA Job No. 03.0033554.04

07/05/2022

Liquefaction Facility Project -

STRAP Perimeter Air Quality Monitoring (AQM)

121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.00	ppm
TVOCs maximum concentration	0.02	ppm
TVOCs action level	1	ppm
PM10 average concentration	6.34	µg/m³
PM10 maximum concentration	27.92	µg/m³
PM10 action level	150	µg/m³

Notes:

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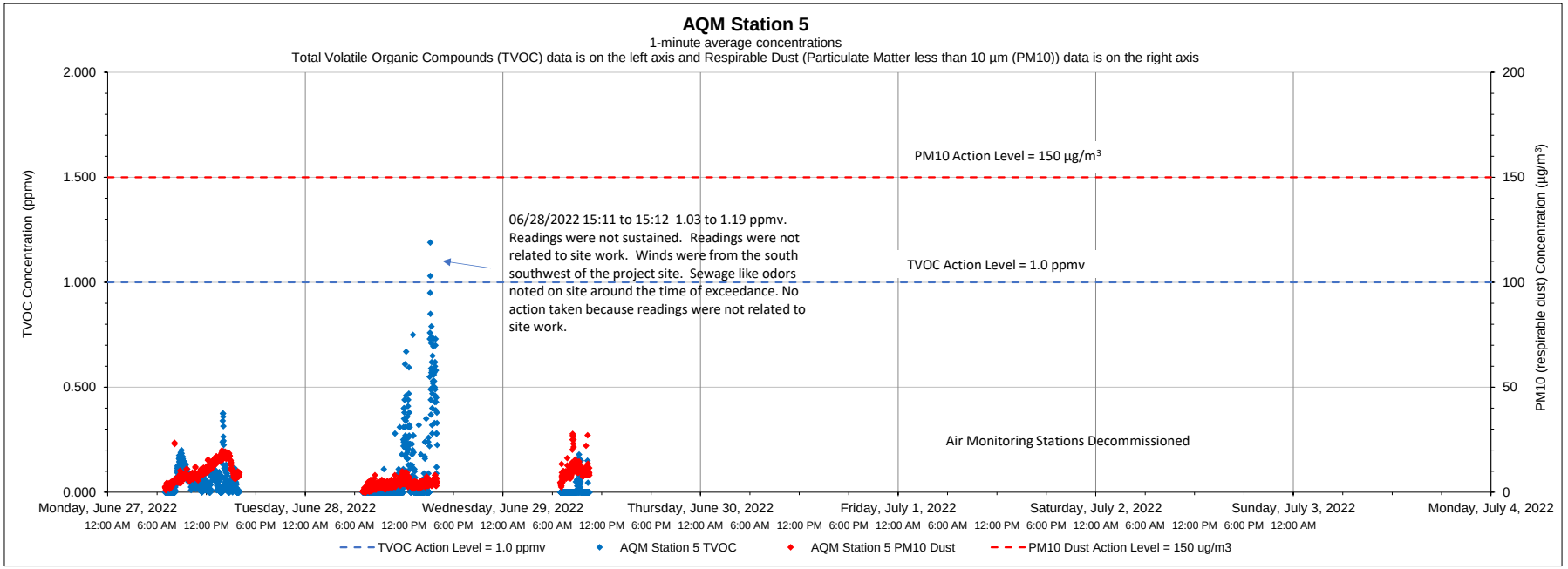

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.06	ppm
TVOCs maximum concentration	1.19	ppm
TVOCs action level	1	ppm
PM10 average concentration	7.37	µg/m^3
PM10 maximum concentration	27.80	µg/m^3
PM10 action level	150	µg/m^3

Notes:

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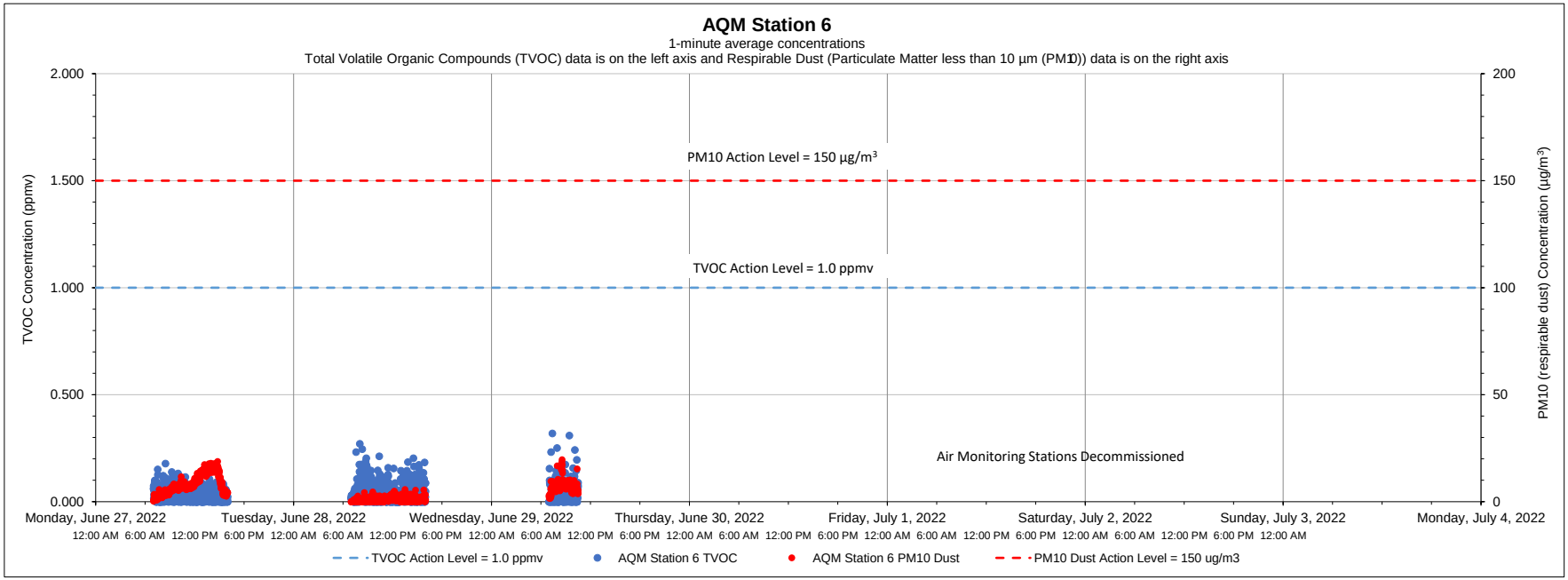

Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics		
TVOCs average concentration	0.04	ppm
TVOCs maximum concentration	0.32	ppm
TVOCs action level	1	ppm
PM10 average concentration	5.03	µg/m³
PM10 maximum concentration	19.65	µg/m³
PM10 action level	150	µg/m³

Notes:

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GZA GeoEnvironmental, Inc.