



nobis

May 3, 2022

File No. 095560.26

Ms. Kelly Owens, Supervisor
Rhode Island Department of Environmental Management
Office of Land Revitalization & Sustainable Materials Management
Site Remediation Program
235 Promenade Street
Providence, Rhode Island 02908-5767
Submitted via email - DEM.OWMSiteRemNor@dem.ri.gov

**Re: Notification of Hazardous Material Release
Robin Rug Manufacturing
125 Thames Street, Bristol, Rhode Island**

Dear Ms. Owens :

Nobis Engineering, Inc. d/b/a Nobis Group (Nobis), on behalf of Brady Sullivan Properties (our client) is submitting the enclosed Hazardous Material Release Notification Form for the Robin Rug Manufacturing located at 125 Thames Street in Bristol. This notification is being submitted in accordance with the RIDEM Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases (250-RICR-140-30-1) *Subsection 1.6.1 – Notification of a Release*. If you require any further information, please feel free to contact the undersigned at 603-224-4182 or Mr. Chris Reynolds of Brady Sullivan.

Sincerely,

NOBIS GROUP®

Bettina E. Eames, PG
Senior Project Manager

Clarence "Tim" Andrews, PG | Associate
Director of State & Municipal Services

Attachment – Release Notification Form and Supporting Information

c: File No. 096660.26 (w/attach.)

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**Office of Land Revitalization & Sustainable Materials Management
Site Remediation Section**

HAZARDOUS MATERIAL RELEASE NOTIFICATION FORM

THIS FORM IS NOT TO BE USED TO REPORT AN IMMINENT HAZARD

1. Notifier Information:

Name:

Address:

Phone:

Email:

Status: X Environmental Professional Secured Creditor
 Owner Voluntary
 Operator

If Environmental Professional is selected, please supply the follow information for your client below:

Name:

Address:

Phone:

Email:

Status: Owner Secured Creditor
 Operator Voluntary
 X (Prospective Purchaser)

2. Property Information:

Name of Site:

Site Address:

Plat/Lot Numbers:

Approximate Acreage of Property:

Latitude/Longitude:

Site Land Usage Type: Residential Industrial/Commercial

Location of Release (Attach site sketch as necessary):

3. Release Information:

Date of Discovery:

Source:

Hazardous Material Release Notification Form
Supplemental Information
Robin Rug Manufacturing
125 Thames Street, Bristol, RI

2 Property Information

Site Description

The subject property is comprised of 14 parcels (collectively referred to as the “subject property”) totaling approximately 3.47± acres of land and includes industrial, commercial, residential, parking lot and undeveloped land use. The location of the subject property is shown on **Figure 1 - Locus Map**. Pertinent site features are shown on **Figure 2 – Site Plan**. Groundwater flow directions are shown on **Figure 3**. The subject property includes the Main Mill Building property (5 parcels) and 8 parcels located on adjacent Thames Street. These parcels are identified on the Town of Bristol Tax Map 10 as follows:

- **Robin Rug Mill Building Property** - includes parcels 10-42, 10-60, 10-61, 10-62, and 10-73. Robin Rug is a braided rug manufacturing facility. The building is made up of several interconnected buildings with industrial and commercial use.
- **Mill Parking Lots** - located on Thames Street east of the Mill Building and includes parcels 10-41, 10-44 and 10-68. These parcels are used as a parking lot for the mill.
- **Lot 10-32** – located at the corner of Church and Thames Street is a seasonal parking lot rented from the property owner by the Town of Bristol.
- **Lots 10-76, 10-43, and 10-74** - located between Hope Street and Thames Street and consists of a gravel parking lot.
- **Lot 10-49** – located at 60 Thames Street. This property is a single-family residence.
- **Lot 10-50** – located at 70 Thames Street. This property is a two-family residence.

The subject property is located along the waterfront of Bristol Harbor within the Town’s Waterfront Planned Unit Development zone. The subject property is abutted by mostly residential properties (some commercial properties) to the north and east, by the Bristol Elks lodge to the southwest, and by the Maritime Welcome Center (former armory and community center) to the northwest. The parcels located east of Thames Street are in the Downtown and Residential R-6 zones.

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Site Land Usage Type:

Currently, the subject property consists of parcels which are used for both residential (Lots 10-49 and 10-50 at 60 and 70 Thames Street, respectively) and industrial/commercial purposes (Main Mill parcel and parking lot parcels). In the future, the Main Mill parcel is proposed to be used for residential purposes (condominiums) upon development.

3 Release Information

Source/Site History

The two main Mill parcels (Lots 10-42 and 10-60) were originally developed as a textile mill producing cottons and yarns, including operation of a dye house, in the late 1800s through the mid-1900s. Circa 1975, Robin Rug purchased the property and operated the mill to produce braided rugs. Residential properties at 60 and 70 Thames Street were historically residential and used as single or double-family homes. Prior to the 1960s, green houses were reportedly present on Lots 10-43 and 10-76. The Mill paved and gravel parking lots have historically been undeveloped, while the Church and Thames Parking Lot (Lot 10-32) appears to have previously been developed as a residence, a store and boarding house.

Release Media

In 2021, Nobis Group® (Nobis) conducted a limited Phase II site investigation on behalf of Brady Sullivan Properties for a perspective purchase of the site. The limited Phase II included subsurface drilling, well survey and groundwater sampling and chemical analysis of soil, groundwater, soil vapor and building materials. Samples were analyzed for a combination of analytes, including VOCs, PAHs, TPH and/or metals. Building materials were sampled for PCBs. Media requiring reporting to the Rhode Island Department of Environmental Management (RIDEM) was identified to include **Soil only**. A summary of the findings of the limited Phase II, were as follows:

- Subsurface soil consists of fill overlying native marine deposits consisting of alternating layers of sand, silt, and clay. Fill consists of fine to coarse sand with debris consisting of crushed stone/rock, concrete, brick, ash, slag, glass, plastic, and wire fragments. Fill is present in several area of the site, including west of the main mill, the central northern

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interior (SB-6/SB-7 area) and in the parking lots parcels east of Thames Street. Fill ranged in thickness from approximately 3 to 8 feet. The greatest amount of fill (≈ 8 feet) was encountered in TP-6 on Lot 10-43.

- Except for one reading (65 ppmv in TP-6), PID readings of TVOCs in soil were generally low and less than 1 ppmv in most locations. Petroleum odors were encountered at the groundwater table at 8 fbg in TP-6 only. No dark brown or black-stained soils were encountered in the subsurface. No sheen or free product was encountered in groundwater monitoring locations.
- A UST, which was suspected to exist based upon GPR, was not encountered during test pit explorations at TP-7 on Lot 10-76. The past and/or current use of the two unknown metal pipes in this location remains unclear. Lead was detected at 4,600 mg/kg in TP-7 at depth of 0 to 3.5 feet and is suspected to be related to the presence of ash.
- In soil, contaminants detected included primarily PAHs, TPH and metals (primarily arsenic and lead). The contaminants may be related to the presence of anthropogenic fill (placed by man) or pyrogenic fill (burn residue or produced by fire) and/or possibly by undocumented releases from historic mill activities and operations. Other contaminants such as VOCs, pesticides, PCBs, cyanide, and hexavalent chromium were low and/or not detected. Several constituents detected in soil exceed the Rhode Island Residential DEC and/or the Industrial/Commercial DEC. Exceedance of the DEC indicates that a potential increased risk to human health exists via the direct contact pathway. **See Table 8 attached.**
- In groundwater, VOCs and TPH were not detected in groundwater monitoring wells located on the Main Mill Building parcels (Lots 10-42 and 10-60) and or in NB-3 installed on parking lot parcel Lot 10-43. PAHs were detected at low concentrations in GZA-3 primarily located on the downgradient site of the subject property. Based upon the groundwater sampling data, groundwater quality does not appear significantly negatively impacted and is consistent with groundwater quality in GB areas.
- In subslab soil vapor, VOCs are present at varying concentrations. VOCs reported include various types of gasoline related compounds and several CVOCs. Total VOC vapor

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concentrations (772.05 ug/m³) in SG-4 located beneath Mill Bldg#7 was much higher than in other locations. Most of the total VOC concentration in SG-4 soil vapor consisted of trichlorofluoromethane (Freon 11) and PCE. The State of Rhode Island does not have a stand-alone guidance dedicated to vapor intrusion and/or standards (like CTDEEP) or vapor screening values (like MassDEP). For comparison only, the PCE concentration of 260 ug/m³ in SG-4 exceeds the MassDEP Subslab Soil Gas Screening Value for Residential Use. Per MassDEP guidance, this exceedance indicates that the vapor intrusion pathway may be of concern under future residential use conditions. However, the PCE soil vapor detection was in only 1 of 4 sample locations and was in portion of the main mill building proposed as open-air garage space (below first residential living floor). Additionally, PCE was not detected in either soil or groundwater and thus the presence of PCE in soil vapor may be indicative of background conditions and from an unknown off-site source. Thus, this single PCE soil vapor detection beneath the subslab is not considered to have an impact on proposed future use.

- In wipe samples, low to trace levels of PCBs are present. Wipe samples indicated that low level PCBs are associated with some elevator oils and in some stained concrete surfaces (from past spills) in the basement. Total PCB wipe concentrations were less than 1 ug/100 cm² which is below the reporting notification threshold per State of Rhode Island and federal (TSCA) requirement of 10 ug/100 cm².

T A B L E S

Table 1
Soil PID Readings
Robin Rug
125 Thames Street
Bristol, Rhode Island

Location	Sample Number	Sample Depth (ft)	PID Reading (ppmV)
SB-1	-	0 to 4	No readings collected
SB-2	S-1	5 to 7	1.7
SB-2	S-1	7 to 10	3.7
SB-2	S-2	10 to 11	3.8
SB-2	S-2	12 to 13	1.2
SB-2	S-2	15	<1
SB-3	S-1	5 to 7	3.0
SB-3	S-1	7 to 10	4.5
SB-3	S-2	10 to 12	1.0
SB-3	S-2	12 to 15	2.4
SB-4	S-1	0 to 4	3.0
SB-4	S-1	4 to 5	7.3
SB-4	S-2	5 to 9	<1
SB-4	S-2	9 to 10	<1
SB-4	S-3	10 to 13	<1
SB-4	S-3	13 to 15	<1
SB-5	S-1	0 to 3	8.9
SB-5	S-1	3 to 5	<1
SB-5	S-2	5 to 7	7.6
SB-5	S-2	7 to 9	1.6
SB-5	S-2	9 to 10	14.5
SB-5	S-3	10 to 15	<1
SB-6	--	0 to 1	<1
SB-6	--	1 to 2	<1
SB-7	--	0 to 2.5	2.3
SB-8	S-1	0 to 4	8.0
SB-8	S-1	4 to 5	<1
SB-8	S-2	5 to 8	<1
SB-8	S-2	8 to 10	<1
SB-8	S-3	10 to 12	3.7
SB-8	S-3	12 to 15	<1
SB-9	S-1	0 to 3	<1
SB-9	S-1	3 to 5	<1
SB-9	S-2	5 to 7	<1
SB-9	S-2	7 to 9	<1
SB-9	S-2	9 to 10	<1
SB-9	S-3	10 to 13	<1
SB-9	S-3	13 to 15	<1

Table 1
Soil PID Readings
Robin Rug
125 Thames Street
Bristol, Rhode Island

Location	Sample Number	Sample Depth (ft)	PID Reading (ppmV)
SB-10	S-1	0 to 5	4.3
SB-10	S-2	5 to 7	26
SB-10	S-2	7 to 9	1.1
SB-10	S-2	9 to 10	16.4
SB-10	S-3	10 to 13	3.8
SB-10	S-3	13 to 15	14.5
SB-11	S-1	0 to 3	<1
SB-11	S-1	3 to 5	<1
SB-11	S-2	5 to 7	<1
SB-11	S-2	7 to 10	<1
SB-11	S-3	10 to 11	<1
SB-11	S-3	11 to 15	<1
TP-1	--	0 to 1	<1
TP-1	--	1 to 2	<1
TP-1	--	2 to 3	<1
TP-1	--	3 to 4	<1
TP-1	--	4 to 5	<1
TP-2	--	0 to 1	<1
TP-2	--	1 to 2	<1
TP-2	--	2 to 3	<1
TP-2	--	3 to 4	1.1
TP-2	--	4 to 5	<1
TP-2	--	5 to 6	<1
TP-2	--	6 to 7	<1
TP-3	--	0 to 1	<1
TP-3	--	1 to 2	<1
TP-3	--	2 to 3	<1
TP-3	--	3 to 4	<1
TP-3	--	4 to 5	<1
TP-3	--	5 to 6	<1
TP-3	--	6 to 7	<1
TP-4	--	0 to 2	<1
TP-4	--	2 to 4	<1
TP-4	--	4 to 6	<1
TP-4	--	6 to 8	<1
TP-4	--	8 to 9	<1
TP-4	--	9 to 10	<1
TP-5	--	0 to 2	<1
TP-5	--	2 to 4	<1
TP-5	--	4 to 6.5	<1

Table 1
Soil PID Readings
Robin Rug
125 Thames Street
Bristol, Rhode Island

Location	Sample Number	Sample Depth (ft)	PID Reading (ppmV)
TP-6	--	0 to 3	<1
TP-6	--	3 to 6	<1
TP-6	--	6 to 8	<1
TP-6	--	8 to 10	65.6
TP-7 (1)	--	0 to 3	<1
TP-7 (1)	--	3 to 5	<1
TP-7 (1)	--	5 to 7	<1
TP-7 (2)	--	0 to 2	<1
TP-7 (2)	--	2 to 4	<1
TP-7 (2)	--	4 to 6	<1
TP-7 (2)	--	6 to 7	<1
TP-7 (2)	--	7 to 8	<1
TP-8	--	0 to 2	<1
TP-8	--	2 to 4	<1
TP-8	--	4 to 6	<1
TP-9	--	0 to 2	<1
TP-9	--	2 to 4	<1
TP-9	--	4 to 6	<1
TP-10	--	0 to 1	<1
TP-10	--	1 to 2	<1
TP-10	--	2 to 4	<1
TP-10	--	4 to 5	<1
TP-10	--	5 to 7	<1
TP-10	--	7 to 8	<1
TP-10	--	8 to 9	<1
TP-10	--	9 to 10	<1
TP-11	--	0 to 3	<1
TP-11	--	3 to 5	<1
TP-11	--	5 to 7	<1
TP-12	--	0 to 2	<1
TP-12	--	2 to 4	<1
TP-12	--	4 to 6	<1
TP-12	--	6 to 7	<1
TP-13	--	0 to 2	<1
TP-13	--	2 to 4	<1
TP-13	--	4 to 5	<1
TP-13	--	5 to 6.5	<1

Table 1
Soil PID Readings
 Robin Rug
 125 Thames Street
 Bristol, Rhode Island

Location	Sample Number	Sample Depth (ft)	PID Reading (ppmV)
TP-14	--	0 to 1	<1
TP-14	--	1 to 2	<1
TP-14	--	2 to 3	<1
TP-14	--	3 to 4	<1
TP-14	--	4 to 5	<1
TP-14	--	5 to 6	<1
TP-14	--	6 to 7	<1
TP-14	--	7 to 8	<1
TP-14	--	8 to 9	<1
TP-19	--	0 to 1	<1
TP-19	--	1 to 2	<1
TP-19	--	2 to 3	<1
TP-19	--	3 to 4	<1
TP-19	--	4 to 5	<1
TP-19	--	5 to 6	<1
TP-19	--	6 to 7.5	<1

Notes:

1. Soil boring PID headspace readings were recorded during drilling operations on June 8, 9 and 10, 2021.
2. Soil test pit PID headspace readings were recorded during excavation on June 10 and 11, 2021.
3. PIDs were calibrated and used in accordance with Nobis SOP FS-007 Vapor and Air Screening with PID and FID.

Table 2
Groundwater Elevation Data
 Robin Rug
 125 Thames Street
 Bristol, Rhode Island

Well No.	Date	Reference Elevation (ft.)	Depth to Groundwater (ft.)	Groundwater Elevation (ft.)
NB-2	6/30/2021	98.90	5.40	93.50
NB-3	6/30/2021	109.78	6.44	103.34
GZA-1	6/30/2021	96.93	7.71	89.22
GZA-2	6/30/2021	96.35	7.09	89.26
GZA-3	6/30/2021	96.14	6.57	89.57

Notes:

1. Well elevations were surveyed on June 30, 2021. The reference elevation is based on a temporary benchmark located at the southeast corner of a concrete pad on Church Street Extension, with a given elevation of 100 ft.
2. Groundwater level measurements were obtained by Nobis Group on the dates indicated, using an electronic water level indicator.

Table 3
Soil Analytical Results - Soil Borings
Robin Rug
125 Thames Street
Bristol, Rhode Island

Parameter	Units	Soil Boring/Sample Depth								RIDEM Soil Standards ⁽¹⁾⁽²⁾		
		SB-3 7-9 ft	SB-2 12-14 ft	SB-4 7-9 ft	SB-5/NB-1 10-12 ft	SB-6 2 ft	SB-7 2 ft	SB-8/NB-2 7-9 ft	SB-11 8-10 ft	RDEC	I/C DEC	Leachability Criteria (GB)
VOCS (EPA 8260C):												
Tetrachloroethene	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	0.40	<0.5	<0.5	12	110	4.2
Naphthalene	mg/kg	<0.1	<0.1	<0.1	<0.1	0.10	<0.1	<0.1	<0.1	NS	NS	NS
SVOCs (8270D):												
Carbazole	mg/kg	< 0.08	< 0.08	< 0.08	<0.08	3.10	0.57	< 0.07	< 0.08	NS	NS	NS
Dibenzofuran	mg/kg	< 0.08	< 0.08	< 0.08	< 0.08	2.20	0.31	< 0.07	< 0.08	NS	NS	NS
Naphthalene	mg/kg	< 0.08	< 0.08	< 0.08	< 0.08	2.60	0.35	< 0.07	< 0.08	54	10,000	NS
2-Methylnaphthalene	mg/kg	< 0.08	< 0.08	< 0.08	< 0.08	0.73	0.12	< 0.07	< 0.08	123	10,000	NS
1-Methylnaphthalene	mg/kg	< 0.08	< 0.08	< 0.08	< 0.08	0.55	0.13	< 0.07	< 0.08	NS	NS	NS
Acenaphthylene	mg/kg	< 0.08	< 0.08	< 0.08	< 0.08	2.8	0.57	< 0.07	< 0.08	23	10,000	NS
Acenaphthene	mg/kg	< 0.08	< 0.08	< 0.08	< 0.08	2.4	0.41	< 0.07	< 0.08	43	10,000	NS
Fluorene	mg/kg	< 0.08	< 0.08	< 0.08	< 0.08	2.6	0.40	< 0.07	< 0.08	28	10,000	NS
Phenanthrene	mg/kg	< 0.08	< 0.08	< 0.08	0.11	30	4.90	< 0.07	< 0.08	40	10,000	NS
Anthracene	mg/kg	< 0.08	< 0.08	< 0.08	< 0.08	8.1	1.40	< 0.07	< 0.08	35	10,000	NS
Fluoranthene	mg/kg	< 0.08	< 0.08	< 0.08	0.14	57	7.20	< 0.07	< 0.08	28	10,000	NS
Pyrene	mg/kg	< 0.08	< 0.08	< 0.08	0.12	37	6.80	< 0.07	< 0.08	13	10,000	NS
Benzo[a]anthracene	mg/kg	< 0.08	< 0.08	< 0.08	< 0.08	25	4.60	< 0.07	< 0.08	0.9	7.8	NS
Chrysene	mg/kg	< 0.08	< 0.08	< 0.08	< 0.08	22	4.20	< 0.07	< 0.08	0.4	780	NS
Benzo[b]fluoranthene	mg/kg	< 0.08	< 0.08	< 0.08	< 0.08	27	6.10	< 0.07	< 0.08	0.9	7.8	NS
Benzo[k]fluoranthene	mg/kg	< 0.08	< 0.08	< 0.08	< 0.08	7.8	2.30	< 0.07	< 0.08	0.9	78	NS
Benzo[a]pyrene	mg/kg	< 0.08	< 0.08	< 0.08	< 0.08	22	4.60	< 0.07	< 0.08	0.4	0.8	NS
Indeno[1,2,3-cd]pyrene	mg/kg	< 0.08	< 0.08	< 0.08	< 0.08	9.2	1.30	< 0.07	< 0.08	0.9	7.8	NS
Dibenz[a,h]anthracene	mg/kg	< 0.08	< 0.08	< 0.08	< 0.08	2.2	0.31	< 0.07	< 0.08	0.4	0.8	NS
Benzo[g,h,i]perylene	mg/kg	< 0.08	< 0.08	< 0.08	< 0.08	6.3	0.98	< 0.07	< 0.08	0.8	10,000	NS
<u>Total SVOCs</u>	mg/kg	<0.08	<0.08	<0.08	0.37	270.58	47.55	<0.07	<0.08	n/a	n/a	n/a
<u>Total PAHs</u>	mg/kg	<0.08	<0.08	<0.08	0.37	265.28	46.67	<0.07	<0.08	n/a	n/a	n/a
TPH (8100 Modified):												
C9 - C40 Hydrocarbons	mg/kg	<30	<30	<30	90	800	190	<30	<30	500	2,500	2,500
Pesticides (EPA 8081B):												
	mg/kg	<0.005 to <0.05	<0.005 to <0.05	<0.005 to <0.05	<0.005 to <0.05	<0.005 to <0.05	<0.005 to <0.05	<0.005 to <0.05	<0.005 to <0.05	NS	NS	NS
PCBs (8082A):												
	mg/kg	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	10	10	10.0
Metals:												
Arsenic	mg/kg	4.1	4.0	1.5	4.2	6.1	4.7	8.50	4.5	7.00	7.00	NS
Barium	mg/kg	19	11	2.3	8.5	92	62	16	18	5500	10000	NS
Cadmium	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	39	1000	NS
Chromium, Total	mg/kg	14	7.7	6.1	24	25	17	12	12	1790	20000	NS
Chromium, Hexavalent	mg/kg	NA	NA	<0.43	<0.41	<0.44	<0.44	NA	NA	390	10000	NS
Lead	mg/kg	6.7	5.7	2.3	19	310	260	6.60	7.7	150	500	NS
Mercury	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1	0.60	0.16	<0.1	< 0.1	23	610	NS
Selenium	mg/kg	< 0.5	< 0.5	< 0.5	0.52	< 0.5	< 0.5	0.57	< 0.5	390	10000	NS
Silver	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	200	10000	NS
TCLP, Lead:	mg/L	NA	NA	NA	NA	<0.5	<0.5	NA	NA	n/a	n/a	NS
Cyanide, Total:	mg/kg	<0.5	<0.5	<0.5	<0.5	0.54	<0.5	<0.5	<0.5	200	10,000	NS

Notes:

Samples were collected on June 8, 9 and 10, 2021.

Samples were analyzed by Eastern Analytical, Inc. of Concord, NH.

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260C. Only analytes detected at least once shown above.

Samples were analyzed for Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270D. Only analytes detected at least once shown above.

NA = Not analyzed for parameter shown.

<0.5 Concentration is less than laboratory detection limit. Analyte not detected.

57 Concentration in **BOLD/Yellow** exceeds Residential Direct Exposure Criteria (RDEC)

9.2 Concentration in **BOLD/Blue** exceeds both Residential Direct Exposure Criteria (RDEC) and Industrial/Commercial DEC (IC/DEC)

(1) Source: Rhode Island Department of Environmental Management (RIDEM) - Site Remediation Rules and Regulations for the Investigation and Remediation of Hazardous Materials Releases, effective April 22, 2020. Subchapter 30, Section 1.9.2 - Soil Objectives Table 2 : Direct Exposure Criteria for Residential (REDEC) and Industrial/Commercial (I/CDEC) and Table 2 - Leachability Criteria for GA Groundwater and GB Groundwater.

(2) Source RIDEM Site Remediation Rules and Regulations for the Investigation and Remediation of Hazardous Materials Releases, effective April 22, 2020. Subchapter 30, Section 1.92 Soil Objectives, Subsection B.4. (a) Soil Objectives for Total Petroleum Hydrocarbons (TPH).

NS = indicates no standard is established for parameter group and/or analyte.

Table 4
Soil Analytical Results - Test Pits
Robin Rug
125 Thames Street
Bristol, Rhode Island

Parameter	Units	Test Pit No./Sample Depth								RIDEM Standards ⁽¹⁾⁽²⁾		
		TP-1 0-2 ft	TP-2 3-4 ft	TP-3 2-3 ft	TP-4 9 ft	TP-5 6 ft	TP-6 9-10 ft	TP-7 0-3.5 ft	TP-14 1-2 ft	RDEC	I/C DEC	Leachability Criteria (GB)
VOCS (EPA 8260C):												
Styrene	mg/kg	<0.5	--	5.1	--	<0.5	<0.5	<0.8	<0.5	13	190	64
SVOCS/PAHs (EPA 8270D):												
Naphthalene	mg/kg	< 0.07	0.086	< 0.09	< 0.08	< 0.07	< 0.08	< 0.09	< 0.08	54.00	10000	NS
Acenaphthylene	mg/kg	0.10	0.19	< 0.09	< 0.08	< 0.07	< 0.08	< 0.09	< 0.08	23.00	10000	NS
Acenaphthene	mg/kg	< 0.07	0.13	< 0.09	< 0.08	< 0.07	< 0.08	< 0.09	< 0.08	43.00	10000	NS
Fluorene	mg/kg	0.07	0.19	< 0.09	< 0.08	< 0.07	< 0.08	< 0.09	< 0.08	28.00	10000	NS
Phenanthrene	mg/kg	0.75	1.50	0.57	< 0.08	< 0.07	< 0.08	0.17	0.38	40.00	10000	NS
Anthracene	mg/kg	0.22	0.46	0.12	< 0.08	< 0.07	< 0.08	< 0.09	0.12	35.00	10000	NS
Fluoranthene	mg/kg	1.30	2.40	0.95	< 0.08	< 0.07	< 0.08	0.53	0.71	28.00	10000	NS
Pyrene	mg/kg	1.10	2.10	0.79	< 0.08	< 0.07	< 0.08	0.61	0.59	13.00	10000	NS
Benzo[a]anthracene	mg/kg	0.71	1.30	0.70	< 0.08	< 0.07	< 0.08	0.44	0.37	0.90	7.80	NS
Chrysene	mg/kg	0.69	1.30	0.75	< 0.08	< 0.07	< 0.08	0.40	0.38	0.40	780	NS
Benzo[b]fluoranthene	mg/kg	0.83	1.60	0.93	< 0.08	< 0.07	< 0.08	0.40	0.47	0.90	7.80	NS
Benzo[k]fluoranthene	mg/kg	0.33	0.54	0.35	< 0.08	< 0.07	< 0.08	0.14	0.16	0.90	78.00	NS
Benzo[a]pyrene	mg/kg	0.68	1.30	0.65	< 0.08	< 0.07	< 0.08	0.35	0.36	0.40	0.80	NS
Indeno[1,2,3-cd]pyrene	mg/kg	0.32	0.58	0.28	< 0.08	< 0.07	< 0.08	0.21	0.26	0.90	7.80	NS
Dibenz[a,h]anthracene	mg/kg	0.08	0.15	< 0.09	< 0.08	< 0.07	< 0.08	< 0.09	< 0.08	0.40	0.80	NS
Benzo[g,h,i]perylene	mg/kg	0.24	0.43	0.21	< 0.08	< 0.07	< 0.08	0.22	0.22	0.80	10000	NS
Total PAHs	mg/kg	7.42	14.17	6.30	<0.08	<0.07	<0.08	3.47	4.02	n/a	n/a	n/a
TPH (8100 Modified):												
C9 - C40 Hydrocarbons	mg/kg	69	93	230	< 30	< 30	580	69	59	500	2500	2500
Pesticides (EPA 8081B):												
4,4'-DDT	mg/kg	< 0.005	NA	< 0.006	NA	NA	0.040	0.014	< 0.006	NS	NS	NS
4,4'-DDE	mg/kg	< 0.005	NA	< 0.006	NA	NA	< 0.006	0.012	< 0.006	NS	NS	NS
4,4'-DDD	mg/kg	< 0.005	NA	< 0.006	NA	NA	0.063	< 0.006	< 0.006	NS	NS	NS
PCBs (8082A):												
PCB-1260	mg/kg	0.040	NA	< 0.02	NA	NA	< 0.02	< 0.02	< 0.02	10	10	10.0
Metals:												
Arsenic	mg/kg	8.4	6.9	18	4.9	2.9	2.3	6.6	4.2	7	7	NS
Barium	mg/kg	29	43	120	20	11	8.3	1,500	72	5500	10000	NS
Cadmium	mg/kg	< 0.5	0.59	1.2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	39	1000	NS
Chromium, Total	mg/kg	14	25	15	13	8.4	7.1	13	15	1790	20000	NS
Chromium, Hexavalent	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	390	10000	NS
Lead	mg/kg	55	130	63	7.7	6.0	8.4	4,600	99	150	500	NS
Mercury	mg/kg	< 0.1	0.28	0.13	< 0.1	< 0.1	< 0.1	0.28	0.22	23	610	NS
Selenium	mg/kg	0.65	0.66	2.4	< 0.5	< 0.5	0.82	1.3	0.54	390	10000	NS
Silver	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	200	10000	NS
TCLP, Lead:	mg/L	NA	<0.5	NA	NA	NA	NA	1.4	<0.5	n/a	n/a	NS

Notes:

Samples were collected on June 10 and 11, 2021.

Samples were analyzed by Eastern Analytical, Inc. of Concord, NH.

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260C. Only analytes detected at least once shown above.

Samples were analyzed for Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270D analyzed for PAHs only. Only analytes detected at least once shown above.

NA = Not analyzed for parameter shown.

<0.5 Concentration is less than laboratory detection limit. Analyte not detected.

57 Concentration in **BOLD/Yellow** exceeds Residential Direct Exposure Criteria (RDEC)

9.2 Concentration in **BOLD/Blue** exceeds both Residential Direct Exposure Criteria (RDEC) and Industrial/Commercial DEC (IC/DEC)

(1) Source: Rhode Island Department of Environmental Management (RIDEM) - Site Remediation Rules and Regulations for the Investigation and Remediation of Hazardous Materials Releases, effective April 22, 2020. Subchapter 30, Section 1.9.2 - Soil Objectives Table 2 - Direct Exposure Criteria for Residential (REDEC) and Industrial/Commercial (I/CDEC) and Table 2 - Leachability Criteria for GA Groundwater and GB Groundwater.

(2) Source RIDEM Site Remediation Rules and Regulations for the Investigation and Remediation of Hazardous Materials Releases, effective April 22, 2020. Subchapter 30, Section 1.92 Soil Objectives, Subsection B.4. (a) Soil Objectives for Total Petroleum Hydrocarbons (TPH).

NS = indicates no standard is established for parameter group and/or analyte.

**Table 5
Groundwater Sampling Results**

Robin Rug
125 Thames Street
Bristol, Rhode Island

Parameter	Units	Sample Location					RIDEM Site Remediation - Method 1 Groundwater Objective (1)
		NB-2	NB-3	GZA-1	GZA-2	GZA-3	GB Category
VOCs (EPA 8260):	mg/L	<0.5 to <30	<0.5 to <30	<0.5 to <30	<0.5 to <30	<0.5 to <30	varies
PAHs (EPA Method 8270):							
Phenanthrene	mg/L	<0.1	<0.1	<0.1	<0.1	0.13	NS
Fluoranthene	mg/L	<0.1	<0.1	<0.1	<0.1	0.28	NS
Pyrene	mg/L	<0.1	<0.1	0.14	<0.1	0.24	NS
Benzo[a]anthracene	mg/L	<0.1	<0.1	<0.1	<0.1	0.18	NS
Chrysene	mg/L	<0.1	<0.1	<0.1	<0.1	0.12	NS
Benzo[b]fluoranthene	mg/L	<0.1	<0.1	<0.1	<0.1	0.18	NS
Benzo[a]pyrene	mg/L	<0.1	<0.1	<0.1	<0.1	0.14	NS
TPH (EPA 8100 Modified):							
C9 - C40 Hydrocarbons	mg/L	<0.4	<0.5	<0.5	<0.4	<0.4	NS

Notes:

Samples were collected on 6/29/21. NB-2 was sampled on 6/30/21.

Samples were analyzed by Eastern Analytical, Inc. of Concord, NH.

Samples were analyzed by EPA Method 8270 for PAHs only.

<0.5 Concentration is less than laboratory detection limit. Analyte not detected.

0.14 Concentrations in **BOLD** indicate analytes detected above laboratory detection limits.

(1) Source: Rhode Island Department of Environmental Management (RIDEM) - Site Remediation Rules and Regulations for the Investigation and Remediation of Hazardous Materials Releases, effective April 22, 2020. Subchapter 30, Section 1.9.3 - Groundwater Objectives Table 4: GB Groundwater Objectives.

NS = indicates no standard is established for parameter group and/or analyte.

Table 6
Subslab Soil Vapor Sampling Results

Robin Rug
125 Thames Street
Bristol, Rhode Island

Parameter	Units	Sample Location				Soil Vapor Screening Values ⁽¹⁾			
		SG-1		SG-2		CT DEEP 2021 ⁽²⁾		MassDEP - 2013 ⁽³⁾	
		Bldg #3	Bldg #1	Bldg#7	Bldg#7A	Volatilization Criteria		Sub-Slab Soil Gas Screening Values	
					Residential	I/C	Residential	I/C	
VOCs (EPA Method TO-15):									
Acetone	ug/m ³	12	12	13	28	140,000	690,000	6,400	50,000
Benzene	ug/m ³	0.95	<0.32	<0.32	0.61	2,500	4,600	160	770
Chloroform	ug/m ³	0.74	1.80	<0.49	0.81	380	690	130	210
1,4-Dichlorobenzene	ug/m ³	9.90	2.70	1.10	<0.60	18,000	33,000	35	120
Ethanol	ug/m ³	20	62	44	<7.5	-	-	-	-
Ethylbenzene	ug/m ³	0.89	0.59	<0.43	0.52	40,000	400,000	520	62,000
Styrene	ug/m ³	<0.43	0.43	<0.43	0.53	39,000	400,000	98	1,400
Tetrachloroethylene (PCE)	ug/m ³	9.60	18	260	11	3,800	6,900	98	290
Toluene	ug/m ³	4.80	1.60	0.93	2.30	160,000	690,000	3,800	310,000
1,1,1-Trichloroethane (1,1,1-TCA)	ug/m ³	<0.55	<0.55	2.30	<0.55	380,000	690,000	210	320,000
Trichloroethylene (TCE)	ug/m ³	<0.54	1.20	19	<0.54	760	1,400	28	130
Trichlorofluoromethane (Freon 11)	ug/m ³	13	<2.2	430	<2.2	-	-	-	-
1,2,4-Trimethylbenzene	ug/m ³	2.80	<0.49	<0.49	<0.49	-	-	-	-
Xylenes, Total	ug/m ³	2.38	1.56	1.72	1.87	170,000	690,000	1,400	6,200
<u>Total VOCs</u>	ug/m ³	77.06	101.88	772.05	45.64	-	-	-	-

Notes:

Vapor (air) samples were collected on 6/30/21.

Samples were analyzed by Con-Test, a Pace Analytical Laboratory.

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method TO-15

<0.5

Concentration is less than laboratory detection limit. Analyte not detected.

0.14

Concentration in **BOLD** indicate analytes detected above laboratory detection limits.

260

Concentration in **BOLD/Yellow** exceeds MassDEP Residential Use Subslab Soil Gas Screening Value.

(1) Source: Rhode Island Department of Environmental Management (RIDEM) has no screening values or standards for soil vapor. Screening values shown from CTDEEP and MassDEP are for reference only.

(2) Source: State of Connecticut Regulations - Volatilization Criteria for Soil Vapor, Appendix F to RSRs 22a-133k-3.

(3) Source: Massachusetts Department of Environmental Protection (MassDEP) Interim Final Vapor Intrusion Guidance WSC#-11-435, Dec 2011, Revised February 22, 2013, Appendix II (Sub-Slab Soil Gas Screening Values)

(-) = indicates no screening value or standard established for analyte.

Table 7
PCB Wipe Sampling Results
Robin Rug
125 Thames Street
Bristol, Rhode Island

Sample ID	Location	PCBs (ug/Wipe)		
		Aroclor-1254	Aroclor-1260	Total PCBs
WS-1	Elevator cables in Building #4 "Penthouse"	0.25	<0.20	0.25
WS-2	Elevator cables in Building #2 "Penthouse"	<0.20	<0.20	<0.20
WS-3	Elevator cables in Building #7 "Penthouse"	<0.20	<0.20	<0.20
WS-4	Elevator cables in Building #7A "Penthouse"	<0.20	0.20	0.20
CW-1	Concrete floor in NW corner of Building #4 basement	0.32	<0.20	0.32
CW-2	Concrete floor in Building #5 basement next to waste oil drum storage	<0.20	<0.20	<0.20
CW-3	Concrete floor in Building #3 basement next to leaking drum and former UST piping	<0.20	<0.20	<0.20
CW-4	Stained area on concrete floor in Building #2A	<0.20	<0.20	<0.20
CW-5	Concrete floor between base of back two transformers in basement of Building #1	<0.20	<0.20	<0.20
CW-6	Concrete slab in Building #6 near elevator	0.27	<0.20	0.27
CW-7	Concrete floor between base of first two transformers in basement of Building #1	0.47	<0.20	<0.20
CW-8	Metal floor in Building #7A in front of elevator doors	0.40	0.35	0.75
CW-9	Surface of transformer, near base, in basement of Building #1	<0.20	<0.20	<0.20
RIDEM Reportable Notification				10 ug/100 cm ²

Notes:

Samples collected on 6/30/2021.

Samples were analyzed by Con-Test, a Pace Analytical Laboratory.

Polychlorinated Biphenyls (PCBs) SW-846 8082A

Wipe Area = 10 cm x 10 cm square = 100 cm².

Table 8
Summary of Soil DEC Exceedances

Robin Rug
 125 Thames Street
 Bristol, RI

Parcel No.	Current Use	Future Use	Location/Depth	Constituent	Soil Concentration (mg/kg) > RIDEM Standard	RIDEM Soil Standard ⁽¹⁾
10-42 Main Mill Parcel (Robin Rug)	Industrial/ Commercial	Residential	SB-6 2 feet	Fluoranthene Pyrene Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno[1,2,3-cd]pyrene Dibenzo[a,h]anthracene Benzo[g,h,i]perylene TPH Lead	57 37 25 22.0 27.0 7.8 22.0 9.2 2.2 6.3 800 310	RDEC = 28 mg/kg RDEC = 13 mg/kg RDEC = 0.9 mg/kg; I/C DEC = 7.8 mg/kg RDEC = 0.4 mg/kg RDEC = 0.9 mg/kg; I/C DEC = 7.8 mg/kg RDEC = 0.9 mg/kg; I/C DEC = 0.8 mg/kg RDEC = 0.4 mg/kg; I/C DEC = 0.8 mg/kg RDEC = 0.9 mg/kg; I/C DEC = 7.8 mg/kg RDEC = 0.4 mg/kg; I/C DEC = 0.8 mg/kg RDEC = 0.8 mg/kg RDEC = 500 mg/kg RDEC = 150 mg/kg
			SB-7 2 feet	Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno[1,2,3-cd]pyrene Benzo[g,h,i]perylene Lead	4.6 4.2 6.1 2.3 4.6 1.3 0.98 260	RDEC = 28 mg/kg RDEC = 0.4 mg/kg RDEC = 0.9 mg/kg RDEC = 0.9 mg/kg RDEC = 0.4 mg/kg; I/C DEC = 0.8 mg/kg RDEC = 0.9 mg/kg RDEC = 0.8 mg/kg RDEC = 150 mg/kg
			TP-2 3 - 4 feet	Benzo(a)anthracene Chrysene Benzo(b)fluoranthene Benzo(a)pyrene	1.30 1.30 1.60 1.30	RDEC = 28 mg/kg RDEC = 0.4 mg/kg RDEC = 0.9 mg/kg RDEC = 0.4 mg/kg; I/C DEC = 0.8 mg/kg
			TP-3 2 - 3 feet	Chrysene Benzo(b)fluoranthene Benzo(a)pyrene Arsenic	0.75 0.93 0.65 18	RDEC = 0.4 mg/kg RDEC = 0.9 mg/kg RDEC = 0.4 mg/kg RDEC = 7.0 mg/kg
10-60 Main Mill Parcel (Robin Rug)	Industrial/ Commercial	Residential	TP-1 0 - 2 feet	Chrysene Benzo(a)pyrene Arsenic	0.69 0.68 8.4	RDEC = 0.4 mg/kg RDEC = 0.4 mg/kg RDEC = 7.0 mg/kg; I/C DEC = 7.0 mg/kg
10-43 Parking Lot Parcel	Residential	Industrial/ Commercial (Parking Lot for Condos)	SB-8 7 - 9 feet	Arsenic	8.5	RDEC = 7.0 mg/kg; I/C DEC = 7.0 mg/kg
			TP-6 9 - 10 feet	TPH	580	RDEC = 500 mg/kg
10-76 Parking Lot Parcel	Residential	Industrial/ Commercial (Parking Lot for Condos)	TP-7 0 - 3.5 feet	Lead	4,600	RDEC = 150 mg/kg; I/C DEC = 500 mg/kg

Note:

(1) Source: Rhode Island Department of Environmental Management (RIDEM) - Site Remediation Rules and Regulations for the Investigation and Remediation of Hazardous Materials Releases, effective April 22, 2020. Subchapter 30, Section 1.9.2 - Soil Objectives Table 1 : Direct Exposure Criteria for Residential (REDEC) and Industrial/Commercial

F I G U R E S



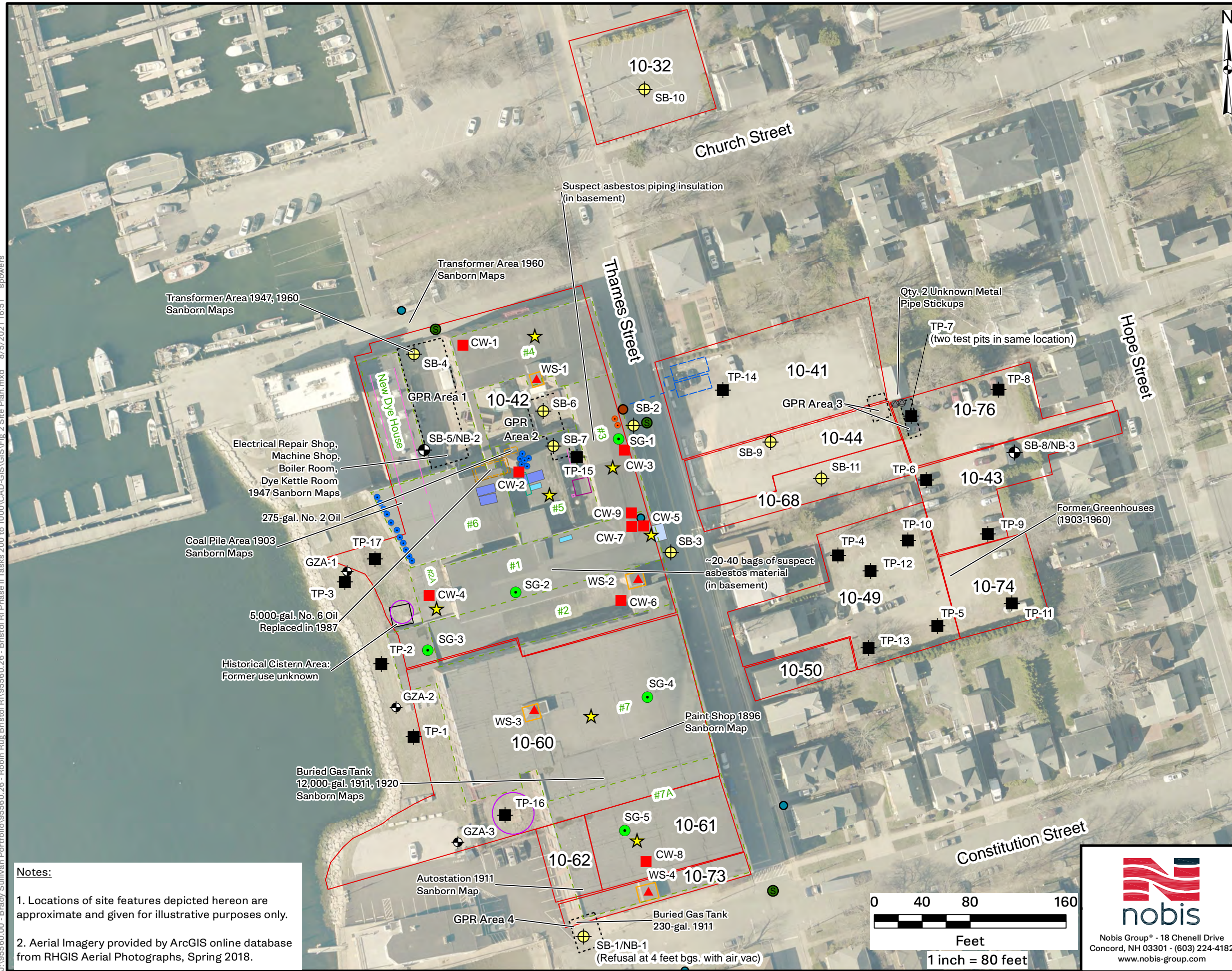
USGS Topographic Map
 Bristol, RI-Mass
 Revised 1955



FIGURE 1
 SITE LOCUS
 ROBIN RUG MANUFACTURING FACILITY
 125 THAMES STREET
 BRISTOL, RI

PREPARED BY: SKP	CHECKED BY: BE
PROJECT NO. 95560.26	DATE: MARCH 2021

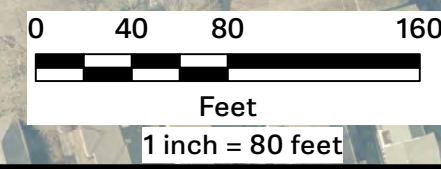
J:\95560.00 - Brady Sullivan Portfolio\95560.26 - Robin Rug Bristol RI\Phase II Tasks 200 to 1000\CAD-GIS\GIS\Fig 2 Site Plan.mxd 8/5/2021 16:51 spowers



- Test Pit (TP-15 and TP-16 not excavated)
 - ▲ PCB Wipe (elevator cable) WS-series (total = 4)
 - PCB Wipe (concrete floor) CW-series (total =9)
 - Soil Gas Vapor Point (SG-3 not installed)
 - ⊕ Soil Boring (total=11)
 - ⊕ Groundwater Monitoring Well
 - ★ Stained Floor
 - Transformer(Qty. 3 out of use)
 - Former UST Piping Into
 - Sewer Manhole
 - Pipe Stickups
 - Waste Oil
 - Leaking Oil
 - Floor
 - GPR Exploration Location
 - ▭ Cable-Weighted
 - ▭ Former Stock Dye Kettle
 - ▭ Former Water
 - ▭ Hydraulic
 - ▭ Trench Around
 - ▭ Water
 - ▭ Active
 - ▭ Former UST (20,000 gal. #6 oil)
 - ▭ Former
 - ▭ Parcel Boundary (Total = 14)
- 10-42 = Tax Map and Lot Number

Notes:

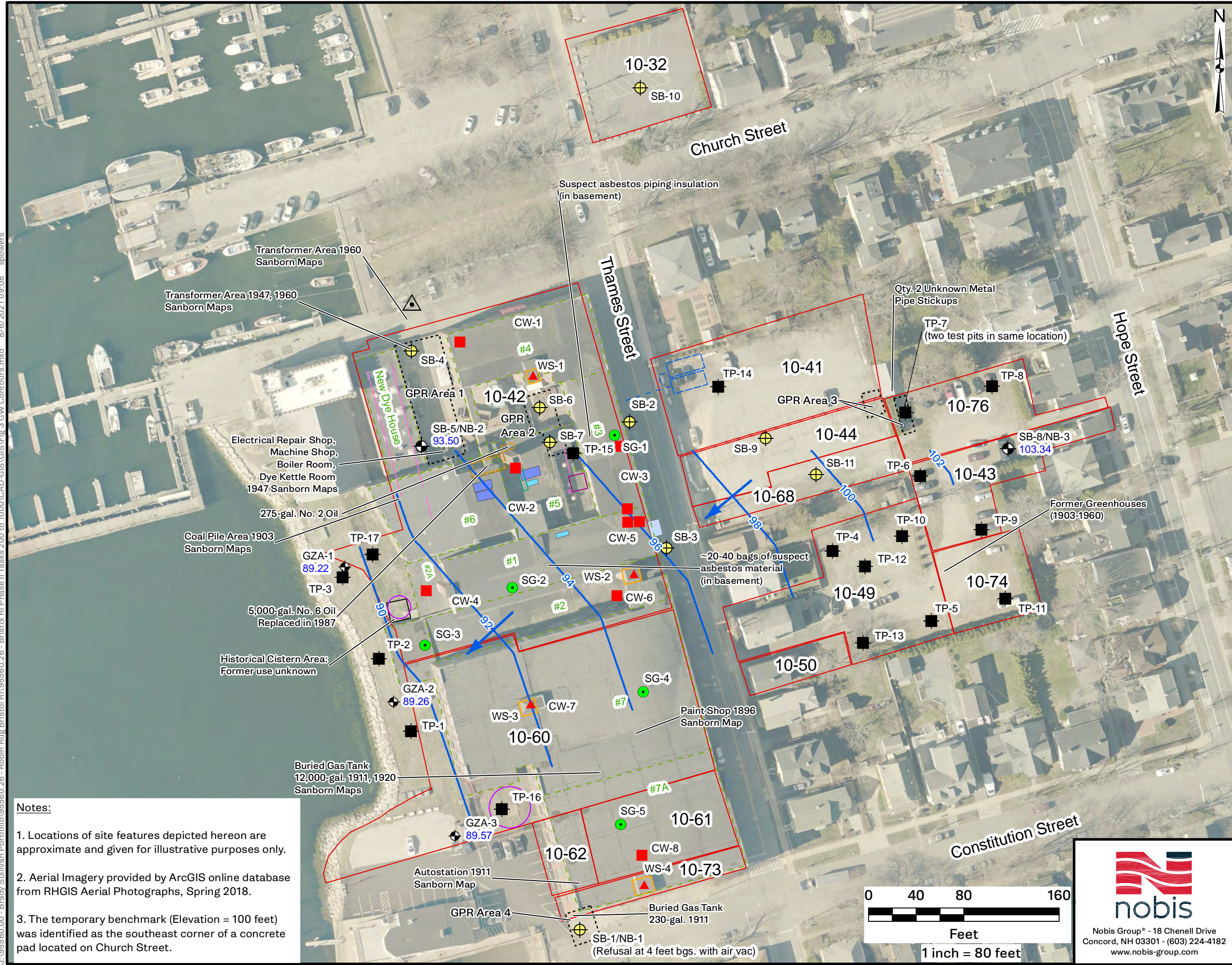
- Locations of site features depicted hereon are approximate and given for illustrative purposes only.
- Aerial Imagery provided by ArcGIS online database from RHGIS Aerial Photographs, Spring 2018.



Nobis Group® - 18 Chenell Drive
Concord, NH 03301 - (603) 224-4182
www.nobis-group.com

FIGURE 2	
SITE PLAN ROBIN RUG FACILITY 125 THAMES STREET BRISTOL, RHODE ISLAND	
PREPARED BY: SKP	CHECKED BY: BEE
PROJECT NO. 95560.26	DATE: AUGUST 2021

J:\95560.00 - Brady Sullivan Portfolio\95560.26 - Bristol RI Phase II Tasks\200 to 1000\CAD-GIS\GIS\Fig 3 GW Contours.mxd 8/6/2021 09:08 spowers



Legend

- Test Pit (TP-15 and TP-16 not excavated)
 - ▲ PCB Wipe (elevator cable) WS-series (total = 4)
 - PCB Wipe (concrete floor) CW-series (total =9)
 - Soil Gas Vapor Point (SG-3 not installed)
 - ⊕ Soil Boring
 - ⊕ Groundwater Monitoring Well with Groundwater Elevation 93.50 (on 6/30/21)
 - △ Temporary Benchmark
 - Floor Drains
 - Groundwater Elevation Contour
 - ➔ Groundwater Flow Direction
 - ⋯ GPR Exploration Location
 - ▭ Cable-Weighted Elevator
 - ▭ Former Stock Dye Kettle
 - ▭ Former Water Tower
 - ▭ Hydraulic Lift
 - ▭ Trench Around Boiler
 - ▭ Boilers
 - ▭ Water Tanks
 - ▭ Active AST
 - ▭ Former UST (20,000 gal. #6 oil)
 - ▭ Former AST
 - ▭ Parcel Boundary (Total =14)
- 10-42 = Tax Map Parcel ID

Notes:

1. Locations of site features depicted hereon are approximate and given for illustrative purposes only.
2. Aerial Imagery provided by ArcGIS online database from RHGIS Aerial Photographs, Spring 2018.
3. The temporary benchmark (Elevation = 100 feet) was identified as the southeast corner of a concrete pad located on Church Street.

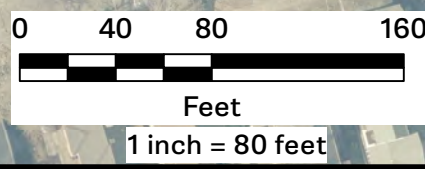


FIGURE 3

**GROUNDWATER POTENTIOMETRIC MAP
ROBIN RUG FACILITY
125 THAMES STREET
BRISTOL, RHODE ISLAND**

PREPARED BY: SKP	CHECKED BY: BEE
PROJECT NO. 95560.26	DATE: AUGUST 2021

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Eastern Analytical, Inc.

professional laboratory and drilling services

Bettina Eames
Nobis Group
18 Chenell Drive
Concord, NH 03301



Laboratory Report for:

Eastern Analytical, Inc. ID: 227592
Client Identification: Robin Rug | 095560.260
Date Received: 6/14/2021

Enclosed are the analytical results per the Chain of Custody for sample(s) in the referenced project. All analyses were performed in accordance with our QA/QC Program, NELAP and other applicable state requirements. All quality control criteria was within acceptance criteria unless noted on the report pages. Results are for the exclusive use of the client named on this report and will not be released to a third party without consent.

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the written approval of the laboratory.

The following standard abbreviations and conventions apply to all EAI reports:

- < : "less than" followed by the reporting limit
- > : "greater than" followed by the reporting limit
- %R : % Recovery

Certifications:

Eastern Analytical, Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269), Vermont (VT1012), New York (12072), West Virginia (9910C) and Alabama (41620). Please refer to our website at www.easternanalytical.com for a copy of our certificates and accredited parameters.

References:

- EPA 600/4-79-020, 1983
- Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd edition or noted revision year.
- Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- Hach Water Analysis Handbook, 4th edition, 1992

If you have any questions regarding the results contained within, please feel free to contact customer service. Unless otherwise requested, we will dispose of the sample(s) 6 weeks from the sample receipt date.

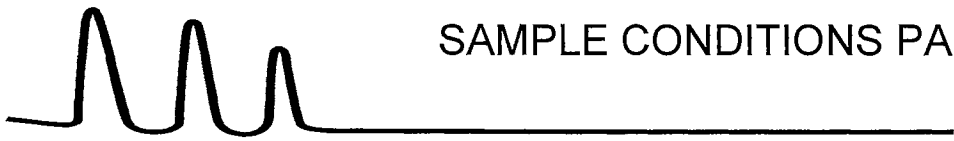
We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director

6.22.21
Date

33
of pages (excluding cover letter)



SAMPLE CONDITIONS PAGE

EAI ID#: 227592

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Temperature upon receipt (°C): 3.3

Acceptable temperature range (°C): 0-6

Received on ice or cold packs (Yes/No): Y

Lab ID	Sample ID	Date Received	Date/Time Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
227592.01	SB-10 (10-12')	6/14/21	6/8/21 10:15	soil		Sample canceled at customer's request
227592.02	SB-8/NB-2 (7-9')	6/14/21	6/8/21 14:20	soil	96.4	Adheres to Sample Acceptance Policy
227592.03	SB-11 (8-10')	6/14/21	6/9/21 08:30	soil	90.1	Adheres to Sample Acceptance Policy
227592.04	SB-9 (10-12')	6/14/21	6/9/21 09:30	soil		Sample canceled at customer's request
227592.05	SB-4 (7-9')	6/14/21	6/9/21 12:25	soil	85.1	Adheres to Sample Acceptance Policy
227592.06	SB-5/NB-1 (10-12')	6/14/21	6/9/21 13:25	soil	89.2	Adheres to Sample Acceptance Policy
227592.07	SB-3 (7-9')	6/14/21	6/10/21 15:35	soil	88.3	Adheres to Sample Acceptance Policy
227592.08	SB-2 (12-14')	6/14/21	6/10/21 16:35	soil	87.5	Adheres to Sample Acceptance Policy
227592.09	SB-6 (2.0')	6/14/21	6/11/21 13:30	soil	86.2	Adheres to Sample Acceptance Policy
227592.1	SB-7 (2.0')	6/14/21	6/11/21 11:50	soil	84.1	Adheres to Sample Acceptance Policy
227592.11	Trip Blank	6/14/21	6/8/21 07:00	soil	100.0	Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.
- Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.
- Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.
- Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.



LABORATORY REPORT

EAI ID#: **227592**

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	SB-8/NB-2 (7-9')	SB-11 (8-10')	SB-4 (7-9')	SB-5/NB-1 (10-12')
Lab Sample ID:	227592.02	227592.03	227592.05	227592.06
Matrix:	soil	soil	soil	soil
Date Sampled:	6/8/21	6/9/21	6/9/21	6/9/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	6/15/21	6/15/21	6/15/21	6/15/21
Analyst:	JAK	JAK	JAK	JAK
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Dichlorodifluoromethane	< 0.1	< 0.1	< 0.1	< 0.1
Chloromethane	< 0.1	< 0.1	< 0.1	< 0.1
Vinyl chloride	< 0.02	< 0.02	< 0.02	< 0.02
Bromomethane	< 0.1	< 0.1	< 0.1	< 0.1
Chloroethane	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	< 0.1	< 0.1	< 0.1	< 0.1
Diethyl Ether	< 0.05	< 0.05	< 0.05	< 0.05
Acetone	< 2	< 2	< 2	< 2
1,1-Dichloroethene	< 0.05	< 0.05	< 0.05	< 0.05
tert-Butyl Alcohol (TBA)	< 2	< 2	< 2	< 2
Methylene chloride	< 0.1	< 0.1	< 0.1	< 0.1
Carbon disulfide	< 0.1	< 0.1	< 0.1	< 0.1
Methyl-t-butyl ether(MTBE)	< 0.1	< 0.1	< 0.1	< 0.1
Ethyl-t-butyl ether(ETBE)	< 0.1	< 0.1	< 0.1	< 0.1
Isopropyl ether(DIPE)	< 0.1	< 0.1	< 0.1	< 0.1
tert-amyl methyl ether(TAME)	< 0.1	< 0.1	< 0.1	< 0.1
trans-1,2-Dichloroethene	< 0.05	< 0.05	< 0.05	< 0.05
1,1-Dichloroethane	< 0.05	< 0.05	< 0.05	< 0.05
2,2-Dichloropropane	< 0.05	< 0.05	< 0.05	< 0.05
cis-1,2-Dichloroethene	< 0.05	< 0.05	< 0.05	< 0.05
2-Butanone(MEK)	< 0.5	< 0.5	< 0.5	< 0.5
Bromochloromethane	< 0.05	< 0.05	< 0.05	< 0.05
Tetrahydrofuran(THF)	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	< 0.05	< 0.05	< 0.05	< 0.05
1,1,1-Trichloroethane	< 0.05	< 0.05	< 0.05	< 0.05
Carbon tetrachloride	< 0.05	< 0.05	< 0.05	< 0.05
1,1-Dichloropropene	< 0.05	< 0.05	< 0.05	< 0.05
Benzene	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichloroethane	< 0.05	< 0.05	< 0.05	< 0.05
Trichloroethene	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichloropropane	< 0.05	< 0.05	< 0.05	< 0.05
Dibromomethane	< 0.05	< 0.05	< 0.05	< 0.05
Bromodichloromethane	< 0.05	< 0.05	< 0.05	< 0.05
1,4-Dioxane	< 1	< 1	< 1	< 1
4-Methyl-2-pentanone(MIBK)	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-Dichloropropene	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	< 0.05	< 0.05	< 0.05	< 0.05
trans-1,3-Dichloropropene	< 0.05	< 0.05	< 0.05	< 0.05
1,1,2-Trichloroethane	< 0.05	< 0.05	< 0.05	< 0.05
2-Hexanone	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	< 0.05	< 0.05	< 0.05	< 0.05
1,3-Dichloropropane	< 0.05	< 0.05	< 0.05	< 0.05
Dibromochloromethane	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02	< 0.02
Chlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,1,1,2-Tetrachloroethane	< 0.05	< 0.05	< 0.05	< 0.05



LABORATORY REPORT

EAI ID#: 227592

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	SB-8/NB-2 (7-9')	SB-11 (8-10')	SB-4 (7-9')	SB-5/NB-1 (10-12')
Lab Sample ID:	227592.02	227592.03	227592.05	227592.06
Matrix:	soil	soil	soil	soil
Date Sampled:	6/8/21	6/9/21	6/9/21	6/9/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	6/15/21	6/15/21	6/15/21	6/15/21
Analyst:	JAK	JAK	JAK	JAK
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Ethylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
mp-Xylene	< 0.05	< 0.05	< 0.05	< 0.05
o-Xylene	< 0.05	< 0.05	< 0.05	< 0.05
Styrene	< 0.05	< 0.05	< 0.05	< 0.05
Bromoform	< 0.05	< 0.05	< 0.05	< 0.05
IsoPropylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
Bromobenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,1,2,2-Tetrachloroethane	< 0.05	< 0.05	< 0.05	< 0.05
1,2,3-Trichloropropane	< 0.05	< 0.05	< 0.05	< 0.05
n-Propylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorotoluene	< 0.05	< 0.05	< 0.05	< 0.05
4-Chlorotoluene	< 0.05	< 0.05	< 0.05	< 0.05
1,3,5-Trimethylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
tert-Butylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,2,4-Trimethylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
sec-Butylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,3-Dichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
p-Isopropyltoluene	< 0.05	< 0.05	< 0.05	< 0.05
1,4-Dichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
n-Butylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dibromo-3-chloropropane	< 0.05	< 0.05	< 0.05	< 0.05
1,3,5-Trichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,2,4-Trichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobutadiene	< 0.05	< 0.05	< 0.05	< 0.05
Naphthalene	< 0.1	< 0.1	< 0.1	< 0.1
1,2,3-Trichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
4-Bromofluorobenzene (surr)	88 %R	87 %R	87 %R	89 %R
1,2-Dichlorobenzene-d4 (surr)	103 %R	103 %R	103 %R	102 %R
Toluene-d8 (surr)	96 %R	95 %R	96 %R	97 %R
1,2-Dichloroethane-d4 (surr)	102 %R	104 %R	104 %R	104 %R



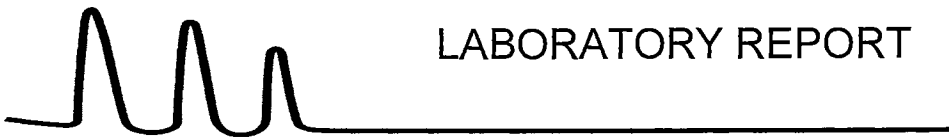
LABORATORY REPORT

EAI ID#: **227592**

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	SB-3 (7-9')	SB-2 (12-14')	SB-6 (2.0')	SB-7 (2.0')
Lab Sample ID:	227592.07	227592.08	227592.09	227592.1
Matrix:	soil	soil	soil	soil
Date Sampled:	6/10/21	6/10/21	6/11/21	6/11/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	6/15/21	6/15/21	6/15/21	6/15/21
Analyst:	JAK	JAK	JAK	JAK
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Dichlorodifluoromethane	< 0.1	< 0.1	< 0.1	< 0.1
Chloromethane	< 0.1	< 0.1	< 0.1	< 0.1
Vinyl chloride	< 0.02	< 0.02	< 0.02	< 0.02
Bromomethane	< 0.1	< 0.1	< 0.1	< 0.1
Chloroethane	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	< 0.1	< 0.1	< 0.1	< 0.1
Diethyl Ether	< 0.05	< 0.05	< 0.05	< 0.05
Acetone	< 2	< 2	< 2	< 2
1,1-Dichloroethene	< 0.05	< 0.05	< 0.05	< 0.05
tert-Butyl Alcohol (TBA)	< 2	< 2	< 2	< 2
Methylene chloride	< 0.1	< 0.1	< 0.1	< 0.1
Carbon disulfide	< 0.1	< 0.1	< 0.1	< 0.1
Methyl-t-butyl ether(MTBE)	< 0.1	< 0.1	< 0.1	< 0.1
Ethyl-t-butyl ether(ETBE)	< 0.1	< 0.1	< 0.1	< 0.1
Isopropyl ether(DIPE)	< 0.1	< 0.1	< 0.1	< 0.1
tert-amyl methyl ether(TAME)	< 0.1	< 0.1	< 0.1	< 0.1
trans-1,2-Dichloroethene	< 0.05	< 0.05	< 0.05	< 0.05
1,1-Dichloroethane	< 0.05	< 0.05	< 0.05	< 0.05
2,2-Dichloropropane	< 0.05	< 0.05	< 0.05	< 0.05
cis-1,2-Dichloroethene	< 0.05	< 0.05	< 0.05	< 0.05
2-Butanone(MEK)	< 0.5	< 0.5	< 0.5	< 0.5
Bromochloromethane	< 0.05	< 0.05	< 0.05	< 0.05
Tetrahydrofuran(THF)	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	< 0.05	< 0.05	< 0.05	< 0.05
1,1,1-Trichloroethane	< 0.05	< 0.05	< 0.05	< 0.05
Carbon tetrachloride	< 0.05	< 0.05	< 0.05	< 0.05
1,1-Dichloropropene	< 0.05	< 0.05	< 0.05	< 0.05
Benzene	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichloroethane	< 0.05	< 0.05	< 0.05	< 0.05
Trichloroethene	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichloropropane	< 0.05	< 0.05	< 0.05	< 0.05
Dibromomethane	< 0.05	< 0.05	< 0.05	< 0.05
Bromodichloromethane	< 0.05	< 0.05	< 0.05	< 0.05
1,4-Dioxane	< 1	< 1	< 1	< 1
4-Methyl-2-pentanone(MIBK)	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-Dichloropropene	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	< 0.05	< 0.05	< 0.05	< 0.05
trans-1,3-Dichloropropene	< 0.05	< 0.05	< 0.05	< 0.05
1,1,2-Trichloroethane	< 0.05	< 0.05	< 0.05	< 0.05
2-Hexanone	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	< 0.05	< 0.05	< 0.05	0.40
1,3-Dichloropropane	< 0.05	< 0.05	< 0.05	< 0.05
Dibromochloromethane	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02	< 0.02
Chlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,1,1,2-Tetrachloroethane	< 0.05	< 0.05	< 0.05	< 0.05



LABORATORY REPORT

EAI ID#: **227592**

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	SB-3 (7-9')	SB-2 (12-14')	SB-6 (2.0')	SB-7 (2.0')
Lab Sample ID:	227592.07	227592.08	227592.09	227592.1
Matrix:	soil	soil	soil	soil
Date Sampled:	6/10/21	6/10/21	6/11/21	6/11/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	6/15/21	6/15/21	6/15/21	6/15/21
Analyst:	JAK	JAK	JAK	JAK
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Ethylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
mp-Xylene	< 0.05	< 0.05	< 0.05	< 0.05
o-Xylene	< 0.05	< 0.05	< 0.05	< 0.05
Styrene	< 0.05	< 0.05	< 0.05	< 0.05
Bromoform	< 0.05	< 0.05	< 0.05	< 0.05
IsoPropylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
Bromobenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,1,2,2-Tetrachloroethane	< 0.05	< 0.05	< 0.05	< 0.05
1,2,3-Trichloropropane	< 0.05	< 0.05	< 0.05	< 0.05
n-Propylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorotoluene	< 0.05	< 0.05	< 0.05	< 0.05
4-Chlorotoluene	< 0.05	< 0.05	< 0.05	< 0.05
1,3,5-Trimethylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
tert-Butylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,2,4-Trimethylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
sec-Butylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,3-Dichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
p-Isopropyltoluene	< 0.05	< 0.05	< 0.05	< 0.05
1,4-Dichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
n-Butylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dibromo-3-chloropropane	< 0.05	< 0.05	< 0.05	< 0.05
1,3,5-Trichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,2,4-Trichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobutadiene	< 0.05	< 0.05	< 0.05	< 0.05
Naphthalene	< 0.1	< 0.1	0.10	< 0.1
1,2,3-Trichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
4-Bromofluorobenzene (surr)	86 %R	86 %R	88 %R	91 %R
1,2-Dichlorobenzene-d4 (surr)	103 %R	103 %R	102 %R	101 %R
Toluene-d8 (surr)	95 %R	95 %R	95 %R	93 %R
1,2-Dichloroethane-d4 (surr)	105 %R	105 %R	105 %R	105 %R



LABORATORY REPORT

EAI ID#: 227592

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID: Trip Blank

Lab Sample ID: 227592.11
Matrix: soil
Date Sampled: 6/8/21
Date Received: 6/14/21
Units: mg/kg
Date of Analysis: 6/15/21
Analyst: JAK
Method: 8260C
Dilution Factor: 1

Dichlorodifluoromethane	< 0.1
Chloromethane	< 0.1
Vinyl chloride	< 0.02
Bromomethane	< 0.1
Chloroethane	< 0.1
Trichlorofluoromethane	< 0.1
Diethyl Ether	< 0.05
Acetone	< 2
1,1-Dichloroethene	< 0.05
tert-Butyl Alcohol (TBA)	< 2
Methylene chloride	< 0.1
Carbon disulfide	< 0.1
Methyl-t-butyl ether(MTBE)	< 0.1
Ethyl-t-butyl ether(ETBE)	< 0.1
Isopropyl ether(DIPE)	< 0.1
tert-amyl methyl ether(TAME)	< 0.1
trans-1,2-Dichloroethene	< 0.05
1,1-Dichloroethane	< 0.05
2,2-Dichloropropane	< 0.05
cis-1,2-Dichloroethene	< 0.05
2-Butanone(MEK)	< 0.5
Bromochloromethane	< 0.05
Tetrahydrofuran(THF)	< 0.5
Chloroform	< 0.05
1,1,1-Trichloroethane	< 0.05
Carbon tetrachloride	< 0.05
1,1-Dichloropropene	< 0.05
Benzene	< 0.05
1,2-Dichloroethane	< 0.05
Trichloroethene	< 0.05
1,2-Dichloropropane	< 0.05
Dibromomethane	< 0.05
Bromodichloromethane	< 0.05
1,4-Dioxane	< 1
4-Methyl-2-pentanone(MIBK)	< 0.5
cis-1,3-Dichloropropene	< 0.05
Toluene	< 0.05
trans-1,3-Dichloropropene	< 0.05
1,1,2-Trichloroethane	< 0.05
2-Hexanone	< 0.1
Tetrachloroethene	< 0.05
1,3-Dichloropropane	< 0.05
Dibromochloromethane	< 0.05
1,2-Dibromoethane(EDB)	< 0.02
Chlorobenzene	< 0.05
1,1,1,2-Tetrachloroethane	< 0.05



LABORATORY REPORT

EAI ID#: 227592

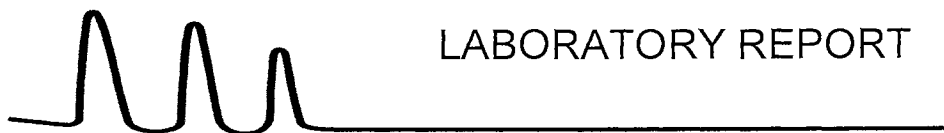
Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID: Trip Blank

Lab Sample ID: 227592.11
Matrix: soil
Date Sampled: 6/8/21
Date Received: 6/14/21
Units: mg/kg
Date of Analysis: 6/15/21
Analyst: JAK
Method: 8260C
Dilution Factor: 1

Ethylbenzene	< 0.05
mp-Xylene	< 0.05
o-Xylene	< 0.05
Styrene	< 0.05
Bromoform	< 0.05
IsoPropylbenzene	< 0.05
Bromobenzene	< 0.05
1,1,2,2-Tetrachloroethane	< 0.05
1,2,3-Trichloropropane	< 0.05
n-Propylbenzene	< 0.05
2-Chlorotoluene	< 0.05
4-Chlorotoluene	< 0.05
1,3,5-Trimethylbenzene	< 0.05
tert-Butylbenzene	< 0.05
1,2,4-Trimethylbenzene	< 0.05
sec-Butylbenzene	< 0.05
1,3-Dichlorobenzene	< 0.05
p-Isopropyltoluene	< 0.05
1,4-Dichlorobenzene	< 0.05
1,2-Dichlorobenzene	< 0.05
n-Butylbenzene	< 0.05
1,2-Dibromo-3-chloropropane	< 0.05
1,3,5-Trichlorobenzene	< 0.05
1,2,4-Trichlorobenzene	< 0.05
Hexachlorobutadiene	< 0.05
Naphthalene	< 0.1
1,2,3-Trichlorobenzene	< 0.05
4-Bromofluorobenzene (surr)	89 %R
1,2-Dichlorobenzene-d4 (surr)	101 %R
Toluene-d8 (surr)	95 %R
1,2-Dichloroethane-d4 (surr)	103 %R



LABORATORY REPORT

EAI ID#: 227592

Client: Nobis Group

Client Designation: Robin Rug | 095560.260

Sample ID:	SB-8/NB-2 (7-9')	SB-11 (8-10')	SB-4 (7-9')	SB-5/NB-1 (10-12')
Lab Sample ID:	227592.02	227592.03	227592.05	227592.06
Matrix:	soil	soil	soil	soil
Date Sampled:	6/8/21	6/9/21	6/9/21	6/9/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	6/16/21	6/14/21	6/14/21	6/16/21
Date of Analysis:	6/17/21	6/15/21	6/15/21	6/17/21
Analyst:	JMR	JMR	JMR	JMR
Method:	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	1
alpha-Terpineol	< 0.34	< 0.4	< 0.4	< 0.4
Phenol	< 0.07	< 0.08	< 0.08	< 0.08
2-Chlorophenol	< 0.07	< 0.08	< 0.08	< 0.08
2,4-Dichlorophenol	< 0.07	< 0.08	< 0.08	< 0.08
2,4,5-Trichlorophenol	< 0.07	< 0.08	< 0.08	< 0.08
2,4,6-Trichlorophenol	< 0.07	< 0.08	< 0.08	< 0.08
Pentachlorophenol	< 0.34	< 0.4	< 0.4	< 0.4
2-Nitrophenol	< 0.34	< 0.4	< 0.4	< 0.4
4-Nitrophenol	< 0.34	< 0.4	< 0.4	< 0.4
2,4-Dinitrophenol	< 0.7	< 0.7	< 0.8	< 0.7
2-Methylphenol	< 0.07	< 0.08	< 0.08	< 0.08
3/4-Methylphenol	< 0.07	< 0.08	< 0.08	< 0.08
2,4-Dimethylphenol	< 0.34	< 0.4	< 0.4	< 0.4
4-Chloro-3-methylphenol	< 0.07	< 0.08	< 0.08	< 0.08
4,6-Dinitro-2-methylphenol	< 0.34	< 0.4	< 0.4	< 0.4
Benzoic Acid	< 3.4	< 4	< 4	< 4
N-Nitrosodimethylamine	< 0.07	< 0.08	< 0.08	< 0.08
n-Nitroso-di-n-propylamine	< 0.04	< 0.04	< 0.05	< 0.04
n-Nitrosodiphenylamine	< 0.07	< 0.08	< 0.08	< 0.08
bis(2-Chloroethyl)ether	< 0.07	< 0.08	< 0.08	< 0.08
bis(2-chloroisopropyl)ether	< 0.07	< 0.08	< 0.08	< 0.08
bis(2-Chloroethoxy)methane	< 0.07	< 0.08	< 0.08	< 0.08
1,3-Dichlorobenzene	< 0.07	< 0.08	< 0.08	< 0.08
Acetophenone	< 0.7	< 0.7	< 0.8	< 0.7
1,4-Dichlorobenzene	< 0.07	< 0.08	< 0.08	< 0.08
1,2-Dichlorobenzene	< 0.07	< 0.08	< 0.08	< 0.08
1,2,4-Trichlorobenzene	< 0.07	< 0.08	< 0.08	< 0.08
2-Chloronaphthalene	< 0.07	< 0.08	< 0.08	< 0.08
4-Chlorophenyl-phenylether	< 0.07	< 0.08	< 0.08	< 0.08
4-Bromophenyl-phenylether	< 0.07	< 0.08	< 0.08	< 0.08
Hexachloroethane	< 0.07	< 0.08	< 0.08	< 0.08
Hexachlorobutadiene	< 0.07	< 0.08	< 0.08	< 0.08
Hexachlorocyclopentadiene	< 0.34	< 0.4	< 0.4	< 0.4
Hexachlorobenzene	< 0.07	< 0.08	< 0.08	< 0.08
4-Chloroaniline	< 0.07	< 0.08	< 0.08	< 0.08
2,3-Dichloroaniline	< 0.07	< 0.08	< 0.08	< 0.08
2-Nitroaniline	< 0.34	< 0.4	< 0.4	< 0.4
3-Nitroaniline	< 0.34	< 0.4	< 0.4	< 0.4
4-Nitroaniline	< 0.34	< 0.4	< 0.4	< 0.4
Aniline	< 0.07	< 0.08	< 0.08	< 0.08
Benzyl alcohol	< 0.7	< 0.7	< 0.8	< 0.7
Nitrobenzene	< 0.07	< 0.08	< 0.08	< 0.08
Isophorone	< 0.07	< 0.08	< 0.08	< 0.08
2,4-Dinitrotoluene	< 0.14	< 0.2	< 0.2	< 0.2
2,6-Dinitrotoluene	< 0.14	< 0.2	< 0.2	< 0.2
Benzdine (estimated)	< 0.34	< 0.4	< 0.4	< 0.4
3,3'-Dichlorobenzidine	< 0.07	< 0.08	< 0.08	< 0.08



LABORATORY REPORT

EAI ID#: **227592**

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	SB-8/NB-2 (7-9')	SB-11 (8-10')	SB-4 (7-9')	SB-5/NB-1 (10-12')
Lab Sample ID:	227592.02	227592.03	227592.05	227592.06
Matrix:	soil	soil	soil	soil
Date Sampled:	6/8/21	6/9/21	6/9/21	6/9/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	6/16/21	6/14/21	6/14/21	6/16/21
Date of Analysis:	6/17/21	6/15/21	6/15/21	6/17/21
Analyst:	JMR	JMR	JMR	JMR
Method:	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	1
Pyridine	< 0.34	< 0.4	< 0.4	< 0.4
Azobenzene	< 0.07	< 0.08	< 0.08	< 0.08
Carbazole	< 0.07	< 0.08	< 0.08	< 0.08
Dimethylphthalate	< 0.07	< 0.08	< 0.08	< 0.08
Diethylphthalate	< 0.34	< 0.4	< 0.4	< 0.4
Di-n-butylphthalate	< 0.34	< 0.4	< 0.4	< 0.4
Butylbenzylphthalate	< 0.34	< 0.4	< 0.4	< 0.4
bis(2-Ethylhexyl)phthalate	< 0.34	< 0.4	< 0.4	< 0.4
Di-n-octylphthalate	< 0.34	< 0.4	< 0.4	< 0.4
Dibenzofuran	< 0.07	< 0.08	< 0.08	< 0.08
Naphthalene	< 0.07	< 0.08	< 0.08	< 0.08
2-Methylnaphthalene	< 0.07	< 0.08	< 0.08	< 0.08
1-Methylnaphthalene	< 0.07	< 0.08	< 0.08	< 0.08
Acenaphthylene	< 0.07	< 0.08	< 0.08	< 0.08
Acenaphthene	< 0.07	< 0.08	< 0.08	< 0.08
Fluorene	< 0.07	< 0.08	< 0.08	< 0.08
Phenanthrene	< 0.07	< 0.08	< 0.08	0.11
Anthracene	< 0.07	< 0.08	< 0.08	< 0.08
Fluoranthene	< 0.07	< 0.08	< 0.08	0.14
Pyrene	< 0.07	< 0.08	< 0.08	0.12
Benzo[a]anthracene	< 0.07	< 0.08	< 0.08	< 0.08
Chrysene	< 0.07	< 0.08	< 0.08	< 0.08
Benzo[b]fluoranthene	< 0.07	< 0.08	< 0.08	< 0.08
Benzo[k]fluoranthene	< 0.07	< 0.08	< 0.08	< 0.08
Benzo[a]pyrene	< 0.07	< 0.08	< 0.08	< 0.08
Indeno[1,2,3-cd]pyrene	< 0.07	< 0.08	< 0.08	< 0.08
Dibenz[a,h]anthracene	< 0.07	< 0.08	< 0.08	< 0.08
Benzo[g,h,i]perylene	< 0.07	< 0.08	< 0.08	< 0.08
n-Decane	< 0.34	< 0.4	< 0.4	< 0.4
n-Octadecane	< 0.34	< 0.4	< 0.4	< 0.4
2-Fluorophenol (surr)	68 %R	58 %R	68 %R	62 %R
Phenol-d6 (surr)	71 %R	61 %R	72 %R	67 %R
2,4,6-Tribromophenol (surr)	84 %R	74 %R	88 %R	83 %R
Nitrobenzene-D5 (surr)	77 %R	67 %R	77 %R	70 %R
2-Fluorobiphenyl (surr)	80 %R	70 %R	83 %R	75 %R
p-Terphenyl-D14 (surr)	82 %R	76 %R	83 %R	76 %R



LABORATORY REPORT

EAI ID#: **227592**

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	SB-3 (7-9')	SB-2 (12-14')	SB-6 (2.0')	SB-7 (2.0')
Lab Sample ID:	227592.07	227592.08	227592.09	227592.1
Matrix:	soil	soil	soil	soil
Date Sampled:	6/10/21	6/10/21	6/11/21	6/11/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	6/16/21	6/16/21	6/16/21	6/14/21
Date of Analysis:	6/17/21	6/17/21	6/17/21	6/15/21
Analyst:	JMR	JMR	JMR	JMR
Method:	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	6	1
alpha-Terpineol	< 0.4	< 0.4	< 2	< 0.4
Phenol	< 0.08	< 0.08	< 0.4	< 0.08
2-Chlorophenol	< 0.08	< 0.08	< 0.4	< 0.08
2,4-Dichlorophenol	< 0.08	< 0.08	< 0.4	< 0.08
2,4,5-Trichlorophenol	< 0.08	< 0.08	< 0.4	< 0.08
2,4,6-Trichlorophenol	< 0.08	< 0.08	< 0.4	< 0.08
Pentachlorophenol	< 0.4	< 0.4	< 2	< 0.4
2-Nitrophenol	< 0.4	< 0.4	< 2	< 0.4
4-Nitrophenol	< 0.4	< 0.4	< 2	< 0.4
2,4-Dinitrophenol	< 0.8	< 0.8	< 4	< 0.8
2-Methylphenol	< 0.08	< 0.08	< 0.4	< 0.08
3/4-Methylphenol	< 0.08	< 0.08	< 0.4	< 0.08
2,4-Dimethylphenol	< 0.4	< 0.4	< 2	< 0.4
4-Chloro-3-methylphenol	< 0.08	< 0.08	< 0.4	< 0.08
4,6-Dinitro-2-methylphenol	< 0.4	< 0.4	< 2	< 0.4
Benzoic Acid	< 4	< 4	< 20	< 4
N-Nitrosodimethylamine	< 0.08	< 0.08	< 0.4	< 0.08
n-Nitroso-di-n-propylamine	< 0.04	< 0.05	< 0.2	< 0.05
n-Nitrosodiphenylamine	< 0.08	< 0.08	< 0.4	< 0.08
bis(2-Chloroethyl)ether	< 0.08	< 0.08	< 0.4	< 0.08
bis(2-chloroisopropyl)ether	< 0.08	< 0.08	< 0.4	< 0.08
bis(2-Chloroethoxy)methane	< 0.08	< 0.08	< 0.4	< 0.08
1,3-Dichlorobenzene	< 0.08	< 0.08	< 0.4	< 0.08
Acetophenone	< 0.8	< 0.8	< 4	< 0.8
1,4-Dichlorobenzene	< 0.08	< 0.08	< 0.4	< 0.08
1,2-Dichlorobenzene	< 0.08	< 0.08	< 0.4	< 0.08
1,2,4-Trichlorobenzene	< 0.08	< 0.08	< 0.4	< 0.08
2-Chloronaphthalene	< 0.08	< 0.08	< 0.4	< 0.08
4-Chlorophenyl-phenylether	< 0.08	< 0.08	< 0.4	< 0.08
4-Bromophenyl-phenylether	< 0.08	< 0.08	< 0.4	< 0.08
Hexachloroethane	< 0.08	< 0.08	< 0.4	< 0.08
Hexachlorobutadiene	< 0.08	< 0.08	< 0.4	< 0.08
Hexachlorocyclopentadiene	< 0.4	< 0.4	< 2	< 0.4
Hexachlorobenzene	< 0.08	< 0.08	< 0.4	< 0.08
4-Chloroaniline	< 0.08	< 0.08	< 0.4	< 0.08
2,3-Dichloroaniline	< 0.08	< 0.08	< 0.4	< 0.08
2-Nitroaniline	< 0.4	< 0.4	< 2	< 0.4
3-Nitroaniline	< 0.4	< 0.4	< 2	< 0.4
4-Nitroaniline	< 0.4	< 0.4	< 2	< 0.4
Aniline	< 0.08	< 0.08	< 0.4	< 0.08
Benzyl alcohol	< 0.8	< 0.8	< 4	< 0.8
Nitrobenzene	< 0.08	< 0.08	< 0.4	< 0.08
Isophorone	< 0.08	< 0.08	< 0.4	< 0.08
2,4-Dinitrotoluene	< 0.2	< 0.2	< 0.8	< 0.2
2,6-Dinitrotoluene	< 0.2	< 0.2	< 0.8	< 0.2
Benzidine (estimated)	< 0.4	< 0.4	< 2	< 0.4
3,3'-Dichlorobenzidine	< 0.08	< 0.08	< 0.4	< 0.08



LABORATORY REPORT

EAI ID#: **227592**

Client: **Nobis Group**

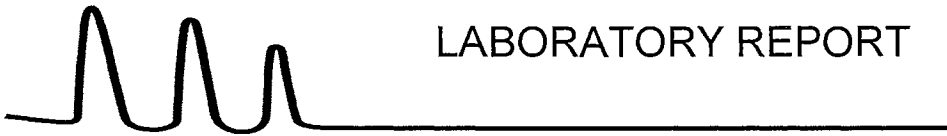
Client Designation: **Robin Rug | 095560.260**

Sample ID:	SB-3 (7-9')	SB-2 (12-14')	SB-6 (2.0')	SB-7 (2.0')
Lab Sample ID:	227592.07	227592.08	227592.09	227592.1
Matrix:	soil	soil	soil	soil
Date Sampled:	6/10/21	6/10/21	6/11/21	6/11/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	6/16/21	6/16/21	6/16/21	6/14/21
Date of Analysis:	6/17/21	6/17/21	6/17/21	6/15/21
Analyst:	JMR	JMR	JMR	JMR
Method:	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	6	1
Pyridine	< 0.4	< 0.4	< 2	< 0.4
Azobenzene	< 0.08	< 0.08	< 0.4	< 0.08
Carbazole	< 0.08	< 0.08	3.1	0.57
Dimethylphthalate	< 0.08	< 0.08	< 0.4	< 0.08
Diethylphthalate	< 0.4	< 0.4	< 2	< 0.4
Di-n-butylphthalate	< 0.4	< 0.4	< 2	< 0.4
Butylbenzylphthalate	< 0.4	< 0.4	< 2	< 0.4
bis(2-Ethylhexyl)phthalate	< 0.4	< 0.4	< 2	< 0.4
Di-n-octylphthalate	< 0.4	< 0.4	< 2	< 0.4
Dibenzofuran	< 0.08	< 0.08	2.2	0.31
Naphthalene	< 0.08	< 0.08	2.6	0.35
2-Methylnaphthalene	< 0.08	< 0.08	0.73	0.12
1-Methylnaphthalene	< 0.08	< 0.08	0.55	0.13
Acenaphthylene	< 0.08	< 0.08	2.8	0.57
Acenaphthene	< 0.08	< 0.08	2.4	0.41
Fluorene	< 0.08	< 0.08	2.6	0.40
Phenanthrene	< 0.08	< 0.08	30	4.9
Anthracene	< 0.08	< 0.08	8.1	1.4
Fluoranthene	< 0.08	< 0.08	57	7.2
Pyrene	< 0.08	< 0.08	37	6.8
Benzo[a]anthracene	< 0.08	< 0.08	25	4.6
Chrysene	< 0.08	< 0.08	22	4.2
Benzo[b]fluoranthene	< 0.08	< 0.08	27	6.1
Benzo[k]fluoranthene	< 0.08	< 0.08	7.8	2.3
Benzo[a]pyrene	< 0.08	< 0.08	22	4.6
Indeno[1,2,3-cd]pyrene	< 0.08	< 0.08	9.2	1.3
Dibenz[a,h]anthracene	< 0.08	< 0.08	2.2	0.31
Benzo[g,h,i]perylene	< 0.08	< 0.08	6.3	0.98
n-Decane	< 0.4	< 0.4	< 2	< 0.4
n-Octadecane	< 0.4	< 0.4	< 2	< 0.4
2-Fluorophenol (surr)	57 %R	61 %R	59 %R	66 %R
Phenol-d6 (surr)	62 %R	65 %R	64 %R	70 %R
2,4,6-Tribromophenol (surr)	80 %R	79 %R	83 %R	88 %R
Nitrobenzene-D5 (surr)	62 %R	69 %R	68 %R	74 %R
2-Fluorobiphenyl (surr)	70 %R	74 %R	76 %R	81 %R
p-Terohenvl-D14 (surr)	79 %R	78 %R	80 %R	83 %R

Deviations from the Report:

SB-6 (2.0'): Parameter: Fluoranthene Date of Analysis: 6/18/2021 Dilution Factor: 30

SB-6 (2.0'): Detection limits elevated due to sample matrix causing internal standard failure in initial extraction.



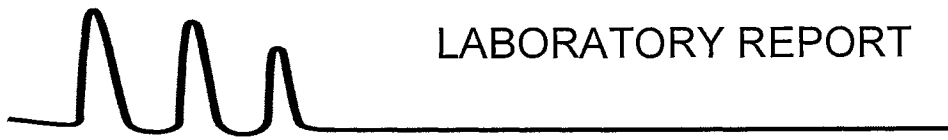
LABORATORY REPORT

EAI ID#: 227592

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	SB-8/NB-2 (7-9')	SB-11 (8-10')	SB-4 (7-9')	SB-5/NB-1 (10-12')
Lab Sample ID:	227592.02	227592.03	227592.05	227592.06
Matrix:	soil	soil	soil	soil
Date Sampled:	6/8/21	6/9/21	6/9/21	6/9/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	6/15/21	6/15/21	6/15/21	6/15/21
Date of Analysis:	6/15/21	6/15/21	6/15/21	6/15/21
Analyst:	JLB	JLB	JLB	JLB
Method:	8100mod	8100mod	8100mod	8100mod
Dilution Factor:	1	1	1	1
TPH (C9-C40)	< 30	< 30	< 30	90
p-Terphenyl-D14 (surr)	78 %R	77 %R	77 %R	85 %R



LABORATORY REPORT

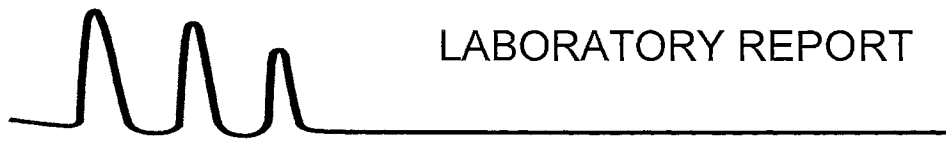
EAI ID#: **227592**

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	SB-3 (7-9')	SB-2 (12-14')	SB-6 (2.0')	SB-7 (2.0')
Lab Sample ID:	227592.07	227592.08	227592.09	227592.1
Matrix:	soil	soil	soil	soil
Date Sampled:	6/10/21	6/10/21	6/11/21	6/11/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	6/15/21	6/15/21	6/15/21	6/15/21
Date of Analysis:	6/15/21	6/15/21	6/15/21	6/15/21
Analyst:	JLB	JLB	JLB	JLB
Method:	8100mod	8100mod	8100mod	8100mod
Dilution Factor:	1	1	11	2
TPH (C9-C40)	< 30	< 30	800	190
p-Terphenyl-D14 (surr)	55 %R	69 %R	DOR	118 %R

DOR: Diluted out of range.



LABORATORY REPORT

EAI ID#: **227592**

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	SB-8/NB-2 (7-9')	SB-11 (8-10')	SB-4 (7-9')	SB-5/NB-1 (10-12')
Lab Sample ID:	227592.02	227592.03	227592.05	227592.06
Matrix:	soil	soil	soil	soil
Date Sampled:	6/8/21	6/9/21	6/9/21	6/9/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
% Solid:	96.4	90.1	85.1	89.2
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	6/14/21	6/14/21	6/14/21	6/14/21
Date of Analysis:	6/18/21	6/18/21	6/18/21	6/18/21
Analyst:	MB	MB	MB	MB
Extraction Method:	3540C	3540C	3540C	3540C
Analysis Method:	8081B	8081B	8081B	8081B
Dilution Factor:	1	1	1	1
Aldrin	< 0.005	< 0.005	< 0.006	< 0.006
alpha-BHC	< 0.005	< 0.005	< 0.006	< 0.006
beta-BHC	< 0.005	< 0.005	< 0.006	< 0.006
Lindane(gamma-BHC)	< 0.005	< 0.005	< 0.006	< 0.006
delta-BHC	< 0.005	< 0.005	< 0.006	< 0.006
Chlordane	< 0.02	< 0.02	< 0.02	< 0.02
4,4'-DDT	< 0.005	< 0.005	< 0.006	< 0.006
4,4'-DDE	< 0.005	< 0.005	< 0.006	< 0.006
4,4'-DDD	< 0.005	< 0.005	< 0.006	< 0.006
Dieldrin	< 0.005	< 0.005	< 0.006	< 0.006
Endosulfan I	< 0.005	< 0.005	< 0.006	< 0.006
Endosulfan II	< 0.005	< 0.005	< 0.006	< 0.006
Endosulfan Sulfate	< 0.005	< 0.005	< 0.006	< 0.006
Endrin	< 0.005	< 0.005	< 0.006	< 0.006
Endrin Aldehyde	< 0.005	< 0.005	< 0.006	< 0.006
Endrin Ketone	< 0.005	< 0.005	< 0.006	< 0.006
Heptachlor	< 0.005	< 0.005	< 0.006	< 0.006
Heptachlor Epoxide	< 0.005	< 0.005	< 0.006	< 0.006
Methoxychlor	< 0.005	< 0.005	< 0.006	< 0.006
Toxaphene	< 0.05	< 0.05	< 0.06	< 0.06
TMX (surr)	64 %R	57 %R	62 %R	61 %R
DCB (surr)	46 %R	45 %R	41 %R	41 %R

Clean-up was performed on the samples and associated batch QC.



LABORATORY REPORT

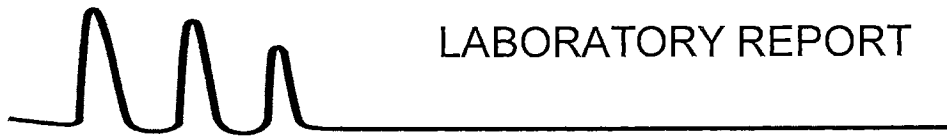
EAI ID#: 227592

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	SB-3 (7-9')	SB-2 (12-14')	SB-6 (2.0')	SB-7 (2.0')
Lab Sample ID:	227592.07	227592.08	227592.09	227592.1
Matrix:	soil	soil	soil	soil
Date Sampled:	6/10/21	6/10/21	6/11/21	6/11/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
% Solid:	88.3	87.5	86.2	84.1
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	6/14/21	6/15/21	6/15/21	6/15/21
Date of Analysis:	6/18/21	6/18/21	6/18/21	6/18/21
Analyst:	MB	MB	MB	MB
Extraction Method:	3540C	3540C	3540C	3540C
Analysis Method:	8081B	8081B	8081B	8081B
Dilution Factor:	1	1	1	1
Aldrin	< 0.006	< 0.006	< 0.006	< 0.006
alpha-BHC	< 0.006	< 0.006	< 0.006	< 0.006
beta-BHC	< 0.006	< 0.006	< 0.006	< 0.006
Lindane(gamma-BHC)	< 0.006	< 0.006	< 0.006	< 0.006
delta-BHC	< 0.006	< 0.006	< 0.006	< 0.006
Chlordane	< 0.02	< 0.02	< 0.02	< 0.02
4,4'-DDT	< 0.006	< 0.006	< 0.006	< 0.006
4,4'-DDE	< 0.006	< 0.006	< 0.006	< 0.006
4,4'-DDD	< 0.006	< 0.006	< 0.006	< 0.006
Dieldrin	< 0.006	< 0.006	< 0.006	< 0.006
Endosulfan I	< 0.006	< 0.006	< 0.006	< 0.006
Endosulfan II	< 0.006	< 0.006	< 0.006	< 0.006
Endosulfan Sulfate	< 0.006	< 0.006	< 0.006	< 0.006
Endrin	< 0.006	< 0.006	< 0.006	< 0.006
Endrin Aldehyde	< 0.006	< 0.006	< 0.006	< 0.006
Endrin Ketone	< 0.006	< 0.006	< 0.006	< 0.006
Heptachlor	< 0.006	< 0.006	< 0.006	< 0.006
Heptachlor Epoxide	< 0.006	< 0.006	< 0.006	< 0.006
Methoxychlor	< 0.006	< 0.006	< 0.006	< 0.006
Toxaphene	< 0.06	< 0.06	< 0.06	< 0.06
TMX (surr)	57 %R	57 %R	36 %R	39 %R
DCB (surr)	45 %R	43 %R	35 %R	33 %R

Clean-up was performed on the samples and associated batch QC.



LABORATORY REPORT

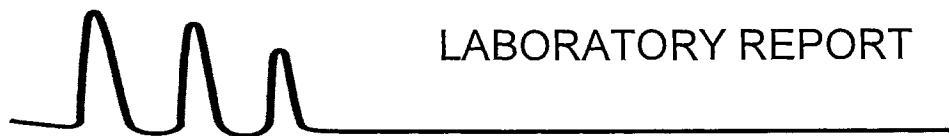
EAI ID#: 227592

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	SB-8/NB-2 (7-9')	SB-11 (8-10')	SB-4 (7-9')	SB-5/NB-1 (10-12')
Lab Sample ID:	227592.02	227592.03	227592.05	227592.06
Matrix:	soil	soil	soil	soil
Date Sampled:	6/8/21	6/9/21	6/9/21	6/9/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
% Solid:	96.4	90.1	85.1	89.2
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	6/14/21	6/14/21	6/14/21	6/14/21
Date of Analysis:	6/15/21	6/15/21	6/15/21	6/15/21
Analyst:	MB	MB	MB	MB
Extraction Method:	3540C	3540C	3540C	3540C
Analysis Method:	8082A	8082A	8082A	8082A
Dilution Factor:	1	1	1	1
PCB-1016	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1221	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1232	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1242	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1248	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1254	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1260	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1262	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1268	< 0.02	< 0.02	< 0.02	< 0.02
TMX (surr)	94 %R	85 %R	99 %R	98 %R
DCB (surr)	98 %R	97 %R	99 %R	84 %R

Acid clean-up was performed on the samples and associated batch QC.



LABORATORY REPORT

EAI ID#: **227592**

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	SB-3 (7-9')	SB-2 (12-14')	SB-6 (2.0')	SB-7 (2.0')
Lab Sample ID:	227592.07	227592.08	227592.09	227592.1
Matrix:	soil	soil	soil	soil
Date Sampled:	6/10/21	6/10/21	6/11/21	6/11/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
% Solid:	88.3	87.5	86.2	84.1
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	6/14/21	6/15/21	6/15/21	6/15/21
Date of Analysis:	6/15/21	6/16/21	6/16/21	6/16/21
Analyst:	MB	MB	MB	MB
Extraction Method:	3540C	3540C	3540C	3540C
Analysis Method:	8082A	8082A	8082A	8082A
Dilution Factor:	1	1	1	1
PCB-1016	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1221	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1232	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1242	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1248	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1254	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1260	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1262	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1268	< 0.02	< 0.02	< 0.02	< 0.02
TMX (surr)	97 %R	85 %R	51 %R	56 %R
DCB (surr)	108 %R	96 %R	52 %R	56 %R

Acid clean-up was performed on the samples and associated batch QC.



LABORATORY REPORT

EAI ID#: 227592

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	SB-8/NB-2 (7-9')	SB-11 (8-10')	SB-4 (7-9')	SB-5/NB-1 (10-12')					
Lab Sample ID:	227592.02	227592.03	227592.05	227592.06					
Matrix:	soil	soil	soil	soil					
Date Sampled:	6/8/21	6/9/21	6/9/21	6/9/21					
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21	Units	Analysis Date Time		Method	Analyst
Cyanide Total	< 0.5	< 0.5	< 0.5	< 0.5	mg/kg	06/16/21	8:55	9010/9014	RB

Sample ID:	SB-3 (7-9')	SB-2 (12-14')	SB-6 (2.0')	SB-7 (2.0')					
Lab Sample ID:	227592.07	227592.08	227592.09	227592.1					
Matrix:	soil	soil	soil	soil					
Date Sampled:	6/10/21	6/10/21	6/11/21	6/11/21					
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21	Units	Analysis Date Time		Method	Analyst
Cyanide Total	< 0.5	< 0.5	0.54	< 0.5	mg/kg	06/16/21	8:55	9010/9014	RB



LABORATORY REPORT

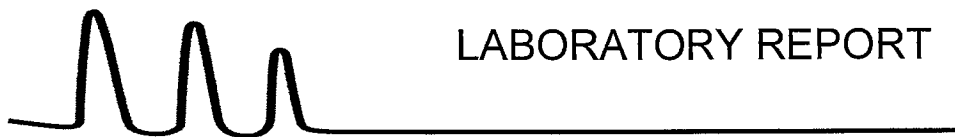
EAI ID#: 227592

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	SB-8/NB-2 (7-9')	SB-11 (8-10')	SB-4 (7-9')	SB-5/NB-1 (10-12')					
Lab Sample ID:	227592.02	227592.03	227592.05	227592.06					
Matrix:	soil	soil	soil	soil					
Date Sampled:	6/8/21	6/9/21	6/9/21	6/9/21	Analytical		Date of		
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21	Matrix	Units	Analysis	Method	Analyst
Arsenic	8.5	4.5	1.5	4.2	SolTotDry	mg/kg	6/15/21	6020	DS
Barium	16	18	2.3	8.5	SolTotDry	mg/kg	6/15/21	6020	DS
Cadmium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	6/15/21	6020	DS
Chromium	12	12	6.1	24	SolTotDry	mg/kg	6/15/21	6020	DS
Lead	6.6	7.7	2.3	19	SolTotDry	mg/kg	6/15/21	6020	DS
Mercury	< 0.1	< 0.1	< 0.1	< 0.1	SolTotDry	mg/kg	6/15/21	6020	DS
Selenium	0.57	< 0.5	< 0.5	0.52	SolTotDry	mg/kg	6/15/21	6020	DS
Silver	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	6/15/21	6020	DS

Sample ID:	SB-3 (7-9')	SB-2 (12-14')						
Lab Sample ID:	227592.07	227592.08						
Matrix:	soil	soil						
Date Sampled:	6/10/21	6/10/21			Analytical		Date of	
Date Received:	6/14/21	6/14/21			Matrix	Units	Analysis	Method
Arsenic	4.1	4.0			SolTotDry	mg/kg	6/15/21	6020
Barium	19	11			SolTotDry	mg/kg	6/15/21	6020
Cadmium	< 0.5	< 0.5			SolTotDry	mg/kg	6/15/21	6020
Chromium	14	7.7			SolTotDry	mg/kg	6/15/21	6020
Lead	6.7	5.7			SolTotDry	mg/kg	6/15/21	6020
Mercury	< 0.1	< 0.1			SolTotDry	mg/kg	6/15/21	6020
Selenium	< 0.5	< 0.5			SolTotDry	mg/kg	6/15/21	6020
Silver	< 0.5	< 0.5			SolTotDry	mg/kg	6/15/21	6020



LABORATORY REPORT

EAI ID#: **227592**

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	SB-6 (2.0')	SB-7 (2.0')					
Lab Sample ID:	227592.09	227592.1					
Matrix:	soil	soil					
Date Sampled:	6/11/21	6/11/21	Analytical		Date of		
Date Received:	6/14/21	6/14/21	Matrix	Units	Analysis	Method	Analyst
Arsenic	6.1	4.7	SolTotDry	mg/kg	6/15/21	6020	DS
Barium	92	62	SolTotDry	mg/kg	6/15/21	6020	DS
Cadmium	< 0.5	< 0.5	SolTotDry	mg/kg	6/15/21	6020	DS
Chromium	25	17	SolTotDry	mg/kg	6/15/21	6020	DS
Lead	310	260	SolTotDry	mg/kg	6/15/21	6020	DS
Mercury	0.60	0.16	SolTotDry	mg/kg	6/15/21	6020	DS
Selenium	< 0.5	< 0.5	SolTotDry	mg/kg	6/15/21	6020	DS
Silver	< 0.5	< 0.5	SolTotDry	mg/kg	6/15/21	6020	DS
Lead	< 0.5	< 0.5	TCLPsolid	mg/L	6/18/21	6020	DS



Tuesday, June 22, 2021

Attn: Front Office
Eastern Analytical
25 Chenell Drive
Concord, NH 03301

Project ID: 227592
SDG ID: GCI54779
Sample ID#s: CI54779 - CI54782

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in cursive script that reads "Phyllis Shiller".

Phyllis/Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Sample Id Cross Reference

June 22, 2021

SDG I.D.: GCI54779

Project ID: 227592

Client Id	Lab Id	Matrix
SB-4 (7-9')	CI54779	SOIL
SB-6 (2.0')	CI54780	SOIL
SB-7 (2.0')	CI54781	SOIL
SB-5/NB-1 (10-12')	CI54782	SOIL



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 22, 2021

FOR: Attn: Front Office
 Eastern Analytical
 25 Chenell Drive
 Concord, NH 03301

Sample Information

Matrix: SOIL
 Location Code: EASTANAL-NH
 Rush Request: Standard
 P.O.#: 55122

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date Time

06/09/21 12:25
 06/15/21 11:33

Laboratory Data

SDG ID: GC154779
 Phoenix ID: CI54779

Project ID: 227592
 Client ID: SB-4 (7-9')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	84		%		06/15/21	AR	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	< 0.43	0.43	mg/Kg	1	06/17/21	BJA	SW7196A
pH at 25C - Soil	7.15	1.00	pH Units	1	06/16/21 12:37	DJ/EG	SW846 9045D
Redox Potential	231		mV	1	06/16/21	DJ/EG	SM2580B-09

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
 This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

June 22, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 22, 2021

FOR: Attn: Front Office
 Eastern Analytical
 25 Chenell Drive
 Concord, NH 03301

Sample Information

Matrix: SOIL
 Location Code: EASTANAL-NH
 Rush Request: Standard
 P.O.#: 55122

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date Time
 06/11/21 13:30
 06/15/21 11:33

Laboratory Data

SDG ID: GCI54779
 Phoenix ID: CI54780

Project ID: 227592
 Client ID: SB-6 (2.0')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	85		%		06/15/21	AR	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	< 0.44	0.44	mg/Kg	1	06/17/21	BJA	SW7196A
pH at 25C - Soil	7.38	1.00	pH Units	1	06/16/21 12:37	DJ/EG	SW846 9045D
Redox Potential	314		mV	1	06/16/21	DJ/EG	SM2580B-09

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
 This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.
 If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
 The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

June 22, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 22, 2021

FOR: Attn: Front Office
 Eastern Analytical
 25 Chenell Drive
 Concord, NH 03301

Sample Information

Matrix: SOIL
 Location Code: EASTANAL-NH
 Rush Request: Standard
 P.O.#: 55122

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

06/11/21 11:50
 06/15/21 11:33

Laboratory Data

SDG ID: GCI54779
 Phoenix ID: CI54781

Project ID: 227592
 Client ID: SB-7 (2.0')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	87		%		06/15/21	AR	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	< 0.44	0.44	mg/Kg	1	06/18/21	BJA/QH	SW7196A
pH at 25C - Soil	7.93	1.00	pH Units	1	06/16/21 12:37	DJ/EG	SW846 9045D
Redox Potential	338		mV	1	06/16/21	DJ/EG	SM2580B-09

RL/PQL=Reporting/Practical Quantitation Level! ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
 This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

June 22, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 22, 2021

FOR: Attn: Front Office
 Eastern Analytical
 25 Chenell Drive
 Concord, NH 03301

Sample Information

Matrix: SOIL
 Location Code: EASTANAL-NH
 Rush Request: Standard
 P.O.#: 55122

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date Time

06/09/21 13:25
 06/15/21 11:33

Laboratory Data

SDG ID: GCI54779
 Phoenix ID: CI54782

Project ID: 227592
 Client ID: SB-5/NB-1 (10-12')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	91		%		06/15/21	AR	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	< 0.41	0.41	mg/Kg	1	06/18/21	BJA/QH	SW7196A
pH at 25C - Soil	7.39	1.00	pH Units	1	06/16/21 12:37	DJ/EG	SW846 9045D
Redox Potential	320		mV	1	06/16/21	DJ/EG	SM2580B-09

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
 This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.
 If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
 The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

June 22, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

June 22, 2021

QA/QC Data

SDG I.D.: GCI54779

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 579920 (mg/kg), QC Sample No: CI54469 40X (CI54779, CI54780)													
<u>Chromium, Hexavalent - Soil</u>													
Chromium, Hexavalent	BRL	0.40	<0.39	<0.42	NC	94.1						85 - 115	30
Chromium, Hexavalent (Ins)						95.1			92.8			85 - 115	30
Chromium, Hexavalent (Sol)						93.4			90.8			85 - 115	30
QA/QC Batch 580132 (mg/kg), QC Sample No: CI57461 40X (CI54781, CI54782)													
<u>Chromium, Hexavalent - Soil</u>													
Chromium, Hexavalent	BRL	0.40	<0.42	<0.42	NC	95.1						85 - 115	30
Chromium, Hexavalent (Ins)						103			94.3			85 - 115	30
Chromium, Hexavalent (Sol)						92.2			56.7			85 - 115	30 m

m = This parameter is outside laboratory MS/MSD specified recovery limits.



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

June 22, 2021

QA/QC Data

SDG I.D.: GCI54779

Parameter	Blk Blank	Sample RL	Dup Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 579781 (PH), QC Sample No: CI54731 (CI54779, CI54780, CI54781, CI54782)													
pH at 25C - Soil		7.50	7.46	0.50	99.7							85 - 115	20

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference

Phyllis Shiller, Laboratory Director

June 22, 2021

Sample Criteria Exceedances Report

GCI54779 - EASTANAL-NH

Criteria

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedances. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedance information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Result	RL	Criteria	RL	Criteria	Analysis Units



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Comments

June 22, 2021

SDG I.D.: GCI54779

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

CHAIN-OF-CUSTODY RECORD

4.7%
w/c
100



Eastern Analytical, Inc.
Professional laboratory and drilling services

Sample ID _____ Date Sampled _____ Matrix _____ Parameters _____
 EA ID# **227592** Page 1

SB-4 (7-9") | 6/9/2021 | 12:25 | soil | Subcontract - Hexavalent Chromium Soil 3060/7196 | 54779

SB-6 (2.0") | 6/11/2021 | 13:30 | soil | Subcontract - Hexavalent Chromium Soil 3060/7196 | 54780

SB-7 (2.0") | 6/11/2021 | 11:50 | soil | Subcontract - Hexavalent Chromium Soil 3060/7196 | 54781

SB-5/NB-1 (10-12") | 6/9/2021 | 13:25 | soil | Subcontract - Hexavalent Chromium Soil 3060/7196 | 54782

Rud - 1 802 jar per sample.

EA ID# **227592** Project State: RI

Project ID: 0

Company Phoenix Environmental Labs

Address 587 East Middle Turnpike

Address Manchester, CT 06040

Account #

Phone # (860) 645-1102

Results Needed: Preferred Date: Standard

QC Deliverables

A A+ B B+ C MA MCP

Notes about project:

Email login confirmation, pdf of results and invoice to customerservice@easternanalytical.com.

PO #: 55122

EA ID# 227592

Data Deliverable (circle)

Excel NH EMD EQUIS ME EGAD

Call prior to analyzing, if RUSH charges will be applied.

Samples Collected by:

[Signature] Date/Time 6/14/21 1500 VPS

Relinquished by: *[Signature]* Date/Time 6/15/21 11:33

Received by: _____ Date/Time _____

Eastern Analytical, Inc. 25 Chenell Dr. Concord, NH 03301 Phone: (603)228-0525 1-800-287-0525 customerservice@easternanalytical.com

As a subcontract lab to EAI, you will defend, indemnify and hold Eastern Analytical, Inc., its officers, employees, and agents harmless from and against any and all liability, loss, expense or claims for injury or damages arising out of the performance against this chain of custody but only in proportion to and to the extent such liability, loss, expense, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of you as a subcontract lab, your officers, agents or employees

CHAIN-OF-CUSTODY RECORD

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

227592

SAMPLE I.D.	SAMPLING DATE/TIME # IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	MATRIX (SEE BELOW) GRAB/* COMPOSITE	VOC		SVOC		ICP METALS		INORGANICS		MICRO		OTHER	NOTES MOH VAL #							
			524.2 524.2 BTEX 624 VHCS 1,4 DIOXANE	524.2 MTBE ONLY	8021 BTEX HALOS	8015 GRO MAYPH	8020 625 SVTIC EDB DBCP ABN A BH PAH	TPH100 LI L2	8015 DRO MAEPH	PEST 408 PCB 608 PEST 8081 PCB 8082	OIL & GREASE 1664 TPH 1664	ICLP 1311 ABN METALS VOC PEST HEAVY			DISSOLVED METALS (LIST BELOW)	TOTAL METALS (LIST BELOW)	TS TSS TDS SPEC CON.	AR CI F SO4 NO3 NO2	BOD CBOD T-ALK	TAN NH4 T-PROC O-PROD	pH T-RES CARBONATE
Imp Blank	10/8/21 0700	GRAB	<input checked="" type="checkbox"/>											1	53820						

PROJECT MANAGER: Bethina Evans
 COMPANY: Nobis
 ADDRESS: 18 CUMMILL DRIVE STATE NH ZIP 03301
 CITY: CONCORD
 PHONE: (603) 284-4182 EXT: _____
 FAX: _____
 E-MAIL: bea.wased@nobis-group.com
 SITE NAME: Robin Road
 PROJECT #: 095560-210
 STATE: NH MA ME VT OTHER RI
 REGULATORY PROGRAM: NPDES: RGR POTW STORMWATER OR GWR OIL FUND BROWNFIELD OR OTHER

DATE NEEDED: Standard IAT
 QA/QC REPORTING LEVEL: A B C
 OR MA MCP
 REPORTING OPTIONS: PRELIM YES NO
 ELECTRONIC OPTIONS: EMAIL PDF EQUIS EXCEL
 REQUISITIONED BY: S. Powers DATE: 6/14/21 TIME: 1910
 RECEIVED BY: _____
 REQUISITIONED BY: Arana Miller DATE: 6/14/21 TIME: 8216
 RECEIVED BY: _____

METALS: 8 MCHA 13 PP FE NI PC CD
 OTHER METALS: _____
 SAMPLES FIELD FILTERED? YES NO
 NOTES: (ie: SPECIAL DETECTION LIMITS, DRILLING INFO, ETC.)
 SITE HISTORY: TEXILO MILL
 SUBMITTED CONTAINER#: _____
 FIELD READING: 210 ppm DID

Eastern Analytical, Inc. 25 CHERNELL DRIVE | SCHEMONG, NH 03201 | TEL: 603.228.0525 | 1.800.267.0525 | FAX: 603.228.0525 | CUSTOMERSERVICE@EASTERNANALYTICAL.COM | WWW.EASTERNANALYTICAL.COM
 professional laboratory and drilling services
 (WHITE: ORIGINAL GREEN: PROJECT MANAGER)



Eastern Analytical, Inc.

professional laboratory and drilling services

Bettina Eames
Nobis Group
18 Chenell Drive
Concord, NH 03301



Laboratory Report for:

Eastern Analytical, Inc. ID: 227591
Client Identification: Robin Rug | 095560.260
Date Received: 6/14/2021

Enclosed are the analytical results per the Chain of Custody for sample(s) in the referenced project. All analyses were performed in accordance with our QA/QC Program, NELAP and other applicable state requirements. All quality control criteria was within acceptance criteria unless noted on the report pages. Results are for the exclusive use of the client named on this report and will not be released to a third party without consent.

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the written approval of the laboratory.

The following standard abbreviations and conventions apply to all EAI reports:

- < : "less than" followed by the reporting limit
- > : "greater than" followed by the reporting limit
- %R : % Recovery

Certifications:

Eastern Analytical, Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269), Vermont (VT1012), New York (12072), West Virginia (9910C) and Alabama (41620). Please refer to our website at www.easternanalytical.com for a copy of our certificates and accredited parameters.

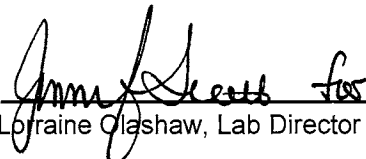
References:

- EPA 600/4-79-020, 1983
- Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd edition or noted revision year.
- Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- Hach Water Analysis Handbook, 4th edition, 1992

If you have any questions regarding the results contained within, please feel free to contact customer service. Unless otherwise requested, we will dispose of the sample(s) 6 weeks from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,


Lorraine Clashaw, Lab Director

6/21/21
Date

16
of pages (excluding cover letter)



SAMPLE CONDITIONS PAGE

EAI ID#: 227591

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Temperature upon receipt (°C): **2.9**

Received on ice or cold packs (Yes/No): **Y**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date/Time Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
227591.01	Trip Blank	6/14/21	6/10/21 08:00	soil	100.0	Adheres to Sample Acceptance Policy
227591.02	TP-7 0-3.5'	6/14/21	6/10/21 09:00	soil	82.1	Adheres to Sample Acceptance Policy
227591.03	TP-6 9-10'	6/14/21	6/10/21 11:15	soil	86.7	Adheres to Sample Acceptance Policy
227591.04	TP-5 6'	6/14/21	6/10/21 13:00	soil	93.9	Adheres to Sample Acceptance Policy
227591.05	TP-4 9'	6/14/21	6/10/21 14:50	soil	89.5	Adheres to Sample Acceptance Policy
227591.06	Trip Blank	6/14/21	6/11/21 07:00	soil	100.0	Adheres to Sample Acceptance Policy
227591.07	TP-14 1-2'	6/14/21	6/11/21 08:30	soil	90.3	Adheres to Sample Acceptance Policy
227591.08	TP-1 0-2'	6/14/21	6/11/21 10:15	soil	92.1	Adheres to Sample Acceptance Policy
227591.09	TP-2 3-4'	6/14/21	6/11/21 10:55	soil	92.0	Adheres to Sample Acceptance Policy
227591.1	TP-3 2-3'	6/14/21	6/11/21 11:40	soil	81.6	Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.
- Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.
- Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.
- Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.



LABORATORY REPORT

EAI ID#: **227591**

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	Trip Blank	TP-7 0-3.5'	TP-6 9-10'	TP-5 6'
Lab Sample ID:	227591.01	227591.02	227591.03	227591.04
Matrix:	soil	soil	soil	soil
Date Sampled:	6/10/21	6/10/21	6/10/21	6/10/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	6/14/21	6/14/21	6/15/21	6/15/21
Analyst:	JAK	JAK	JAK	JAK
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	2	1	1
Dichlorodifluoromethane	< 0.1	< 0.2	< 0.1	< 0.1
Chloromethane	< 0.1	< 0.2	< 0.1	< 0.1
Vinyl chloride	< 0.02	< 0.03	< 0.02	< 0.02
Bromomethane	< 0.1	< 0.2	< 0.1	< 0.1
Chloroethane	< 0.1	< 0.2	< 0.1	< 0.1
Trichlorofluoromethane	< 0.1	< 0.2	< 0.1	< 0.1
Diethyl Ether	< 0.05	< 0.08	< 0.05	< 0.05
Acetone	< 2	< 3	< 2	< 2
1,1-Dichloroethene	< 0.05	< 0.08	< 0.05	< 0.05
tert-Butyl Alcohol (TBA)	< 2	< 3	< 2	< 2
Methylene chloride	< 0.1	< 0.2	< 0.1	< 0.1
Carbon disulfide	< 0.1	< 0.2	< 0.1	< 0.1
Methyl-t-butyl ether(MTBE)	< 0.1	< 0.2	< 0.1	< 0.1
Ethyl-t-butyl ether(ETBE)	< 0.1	< 0.2	< 0.1	< 0.1
Isopropyl ether(DIPE)	< 0.1	< 0.2	< 0.1	< 0.1
tert-amyl methyl ether(TAME)	< 0.1	< 0.2	< 0.1	< 0.1
trans-1,2-Dichloroethene	< 0.05	< 0.08	< 0.05	< 0.05
1,1-Dichloroethane	< 0.05	< 0.08	< 0.05	< 0.05
2,2-Dichloropropane	< 0.05	< 0.08	< 0.05	< 0.05
cis-1,2-Dichloroethene	< 0.05	< 0.08	< 0.05	< 0.05
2-Butanone(MEK)	< 0.5	< 0.8	< 0.5	< 0.5
Bromochloromethane	< 0.05	< 0.08	< 0.05	< 0.05
Tetrahydrofuran(THF)	< 0.5	< 0.8	< 0.5	< 0.5
Chloroform	< 0.05	< 0.08	< 0.05	< 0.05
1,1,1-Trichloroethane	< 0.05	< 0.08	< 0.05	< 0.05
Carbon tetrachloride	< 0.05	< 0.08	< 0.05	< 0.05
1,1-Dichloropropene	< 0.05	< 0.08	< 0.05	< 0.05
Benzene	< 0.05	< 0.08	< 0.05	< 0.05
1,2-Dichloroethane	< 0.05	< 0.08	< 0.05	< 0.05
Trichloroethene	< 0.05	< 0.08	< 0.05	< 0.05
1,2-Dichloropropane	< 0.05	< 0.08	< 0.05	< 0.05
Dibromomethane	< 0.05	< 0.08	< 0.05	< 0.05
Bromodichloromethane	< 0.05	< 0.08	< 0.05	< 0.05
1,4-Dioxane	< 1	< 2	< 1	< 1
4-Methyl-2-pentanone(MIBK)	< 0.5	< 0.8	< 0.5	< 0.5
cis-1,3-Dichloropropene	< 0.05	< 0.08	< 0.05	< 0.05
Toluene	< 0.05	< 0.08	< 0.05	< 0.05
trans-1,3-Dichloropropene	< 0.05	< 0.08	< 0.05	< 0.05
1,1,2-Trichloroethane	< 0.05	< 0.08	< 0.05	< 0.05
2-Hexanone	< 0.1	< 0.2	< 0.1	< 0.1
Tetrachloroethene	< 0.05	< 0.08	< 0.05	< 0.05
1,3-Dichloropropane	< 0.05	< 0.08	< 0.05	< 0.05
Dibromochloromethane	< 0.05	< 0.08	< 0.05	< 0.05
1,2-Dibromoethane(EDB)	< 0.02	< 0.03	< 0.02	< 0.02
Chlorobenzene	< 0.05	< 0.08	< 0.05	< 0.05
1,1,1,2-Tetrachloroethane	< 0.05	< 0.08	< 0.05	< 0.05



LABORATORY REPORT

EAI ID#: 227591

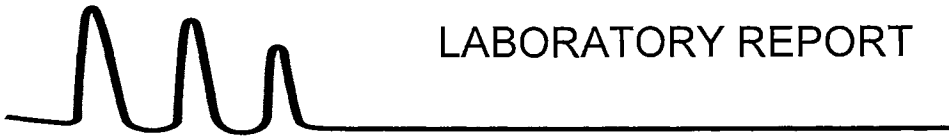
Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	Trip Blank	TP-7 0-3.5'	TP-6 9-10'	TP-5 6'
Lab Sample ID:	227591.01	227591.02	227591.03	227591.04
Matrix:	soil	soil	soil	soil
Date Sampled:	6/10/21	6/10/21	6/10/21	6/10/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	6/14/21	6/14/21	6/15/21	6/15/21
Analyst:	JAK	JAK	JAK	JAK
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	2	1	1
Ethylbenzene	< 0.05	< 0.08	< 0.05	< 0.05
mp-Xylene	< 0.05	< 0.08	< 0.05	< 0.05
o-Xylene	< 0.05	< 0.08	< 0.05	< 0.05
Styrene	< 0.05	< 0.08	< 0.05	< 0.05
Bromoform	< 0.05	< 0.08	< 0.05	< 0.05
IsoPropylbenzene	< 0.05	< 0.08	< 0.05	< 0.05
Bromobenzene	< 0.05	< 0.08	< 0.05	< 0.05
1,1,2,2-Tetrachloroethane	< 0.05	< 0.08	< 0.05	< 0.05
1,2,3-Trichloropropane	< 0.05	< 0.08	< 0.05	< 0.05
n-Propylbenzene	< 0.05	< 0.08	< 0.05	< 0.05
2-Chlorotoluene	< 0.05	< 0.08	< 0.05	< 0.05
4-Chlorotoluene	< 0.05	< 0.08	< 0.05	< 0.05
1,3,5-Trimethylbenzene	< 0.05	< 0.08	< 0.05	< 0.05
tert-Butylbenzene	< 0.05	< 0.08	< 0.05	< 0.05
1,2,4-Trimethylbenzene	< 0.05	< 0.08	< 0.05	< 0.05
sec-Butylbenzene	< 0.05	< 0.08	< 0.05	< 0.05
1,3-Dichlorobenzene	< 0.05	< 0.08	< 0.05	< 0.05
p-Isopropyltoluene	< 0.05	< 0.08	< 0.05	< 0.05
1,4-Dichlorobenzene	< 0.05	< 0.08	< 0.05	< 0.05
1,2-Dichlorobenzene	< 0.05	< 0.08	< 0.05	< 0.05
n-Butylbenzene	< 0.05	< 0.08	< 0.05	< 0.05
1,2-Dibromo-3-chloropropane	< 0.05	< 0.08	< 0.05	< 0.05
1,3,5-Trichlorobenzene	< 0.05	< 0.08	< 0.05	< 0.05
1,2,4-Trichlorobenzene	< 0.05	< 0.08	< 0.05	< 0.05
Hexachlorobutadiene	< 0.05	< 0.08	< 0.05	< 0.05
Naphthalene	< 0.1	< 0.2	< 0.1	< 0.1
1,2,3-Trichlorobenzene	< 0.05	< 0.08	< 0.05	< 0.05
4-Bromofluorobenzene (surr)	92 %R	90 %R	140 %R	88 %R
1,2-Dichlorobenzene-d4 (surr)	100 %R	102 %R	92 %R	102 %R
Toluene-d8 (surr)	95 %R	95 %R	88 %R	96 %R
1,2-Dichloroethane-d4 (surr)	101 %R	102 %R	108 %R	101 %R

TP-7 0-3.5': Reporting limits are elevated due to the % solids content of the sample or the sample mass used for analysis.

TP-6 9-10': Non target interference in the sample resulted in recovery high outside of the acceptance control limits of 70-130%R for the surrogate 4-Bromofluorobenzene (surr).



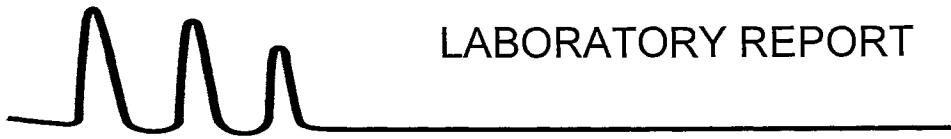
LABORATORY REPORT

EAI ID#: **227591**

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	Trip Blank	TP-14 1-2'	TP-1 0-2'	TP-3 2-3'
Lab Sample ID:	227591.06	227591.07	227591.08	227591.1
Matrix:	soil	soil	soil	soil
Date Sampled:	6/11/21	6/11/21	6/11/21	6/11/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	6/15/21	6/15/21	6/15/21	6/15/21
Analyst:	JAK	JAK	JAK	JAK
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	2
Dichlorodifluoromethane	< 0.1	< 0.1	< 0.1	< 0.2
Chloromethane	< 0.1	< 0.1	< 0.1	< 0.2
Vinyl chloride	< 0.02	< 0.02	< 0.02	< 0.04
Bromomethane	< 0.1	< 0.1	< 0.1	< 0.2
Chloroethane	< 0.1	< 0.1	< 0.1	< 0.2
Trichlorofluoromethane	< 0.1	< 0.1	< 0.1	< 0.2
Diethyl Ether	< 0.05	< 0.05	< 0.05	< 0.1
Acetone	< 2	< 2	< 2	< 4
1,1-Dichloroethene	< 0.05	< 0.05	< 0.05	< 0.1
tert-Butyl Alcohol (TBA)	< 2	< 2	< 2	< 4
Methylene chloride	< 0.1	< 0.1	< 0.1	< 0.2
Carbon disulfide	< 0.1	< 0.1	< 0.1	< 0.2
Methyl-t-butyl ether(MTBE)	< 0.1	< 0.1	< 0.1	< 0.2
Ethyl-t-butyl ether(ETBE)	< 0.1	< 0.1	< 0.1	< 0.2
Isopropyl ether(DIPE)	< 0.1	< 0.1	< 0.1	< 0.2
tert-amyl methyl ether(TAME)	< 0.1	< 0.1	< 0.1	< 0.2
trans-1,2-Dichloroethene	< 0.05	< 0.05	< 0.05	< 0.1
1,1-Dichloroethane	< 0.05	< 0.05	< 0.05	< 0.1
2,2-Dichloropropane	< 0.05	< 0.05	< 0.05	< 0.1
cis-1,2-Dichloroethene	< 0.05	< 0.05	< 0.05	< 0.1
2-Butanone(MEK)	< 0.5	< 0.5	< 0.5	< 1
Bromochloromethane	< 0.05	< 0.05	< 0.05	< 0.1
Tetrahydrofuran(THF)	< 0.5	< 0.5	< 0.5	< 1
Chloroform	< 0.05	< 0.05	< 0.05	< 0.1
1,1,1-Trichloroethane	< 0.05	< 0.05	< 0.05	< 0.1
Carbon tetrachloride	< 0.05	< 0.05	< 0.05	< 0.1
1,1-Dichloropropene	< 0.05	< 0.05	< 0.05	< 0.1
Benzene	< 0.05	< 0.05	< 0.05	< 0.1
1,2-Dichloroethane	< 0.05	< 0.05	< 0.05	< 0.1
Trichloroethene	< 0.05	< 0.05	< 0.05	< 0.1
1,2-Dichloropropane	< 0.05	< 0.05	< 0.05	< 0.1
Dibromomethane	< 0.05	< 0.05	< 0.05	< 0.1
Bromodichloromethane	< 0.05	< 0.05	< 0.05	< 0.1
1,4-Dioxane	< 1	< 1	< 1	< 2
4-Methyl-2-pentanone(MIBK)	< 0.5	< 0.5	< 0.5	< 1
cis-1,3-Dichloropropene	< 0.05	< 0.05	< 0.05	< 0.1
Toluene	< 0.05	< 0.05	< 0.05	< 0.1
trans-1,3-Dichloropropene	< 0.05	< 0.05	< 0.05	< 0.1
1,1,2-Trichloroethane	< 0.05	< 0.05	< 0.05	< 0.1
2-Hexanone	< 0.1	< 0.1	< 0.1	< 0.2
Tetrachloroethene	< 0.05	< 0.05	< 0.05	< 0.1
1,3-Dichloropropane	< 0.05	< 0.05	< 0.05	< 0.1
Dibromochloromethane	< 0.05	< 0.05	< 0.05	< 0.1
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02	< 0.04
Chlorobenzene	< 0.05	< 0.05	< 0.05	< 0.1
1,1,1,2-Tetrachloroethane	< 0.05	< 0.05	< 0.05	< 0.1



LABORATORY REPORT

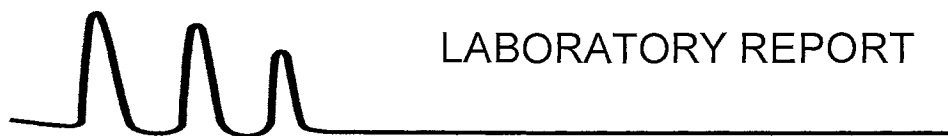
EAI ID#: **227591**

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	Trip Blank	TP-14 1-2'	TP-1 0-2'	TP-3 2-3'
Lab Sample ID:	227591.06	227591.07	227591.08	227591.1
Matrix:	soil	soil	soil	soil
Date Sampled:	6/11/21	6/11/21	6/11/21	6/11/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	6/15/21	6/15/21	6/15/21	6/15/21
Analyst:	JAK	JAK	JAK	JAK
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	2
Ethylbenzene	< 0.05	< 0.05	< 0.05	< 0.1
mp-Xylene	< 0.05	< 0.05	< 0.05	< 0.1
o-Xylene	< 0.05	< 0.05	< 0.05	< 0.1
Styrene	< 0.05	< 0.05	< 0.05	5.1
Bromoform	< 0.05	< 0.05	< 0.05	< 0.1
IsoPropylbenzene	< 0.05	< 0.05	< 0.05	< 0.1
Bromobenzene	< 0.05	< 0.05	< 0.05	< 0.1
1,1,2,2-Tetrachloroethane	< 0.05	< 0.05	< 0.05	< 0.1
1,2,3-Trichloropropane	< 0.05	< 0.05	< 0.05	< 0.1
n-Propylbenzene	< 0.05	< 0.05	< 0.05	< 0.1
2-Chlorotoluene	< 0.05	< 0.05	< 0.05	< 0.1
4-Chlorotoluene	< 0.05	< 0.05	< 0.05	< 0.1
1,3,5-Trimethylbenzene	< 0.05	< 0.05	< 0.05	< 0.1
tert-Butylbenzene	< 0.05	< 0.05	< 0.05	< 0.1
1,2,4-Trimethylbenzene	< 0.05	< 0.05	< 0.05	< 0.1
sec-Butylbenzene	< 0.05	< 0.05	< 0.05	< 0.1
1,3-Dichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.1
p-Isopropyltoluene	< 0.05	< 0.05	< 0.05	< 0.1
1,4-Dichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.1
1,2-Dichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.1
n-Butylbenzene	< 0.05	< 0.05	< 0.05	< 0.1
1,2-Dibromo-3-chloropropane	< 0.05	< 0.05	< 0.05	< 0.1
1,3,5-Trichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.1
1,2,4-Trichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.1
Hexachlorobutadiene	< 0.05	< 0.05	< 0.05	< 0.1
Naphthalene	< 0.1	< 0.1	< 0.1	< 0.2
1,2,3-Trichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.1
4-Bromofluorobenzene (surr)	88 %R	88 %R	89 %R	103 %R
1,2-Dichlorobenzene-d4 (surr)	101 %R	102 %R	102 %R	95 %R
Toluene-d8 (surr)	96 %R	95 %R	95 %R	95 %R
1,2-Dichloroethane-d4 (surr)	101 %R	102 %R	103 %R	102 %R

TP-3 2-3': Reporting limits are elevated due to the % solids content of the sample or the sample mass used for analysis.



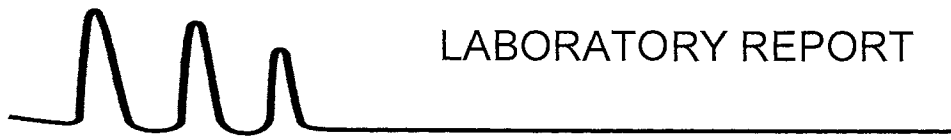
LABORATORY REPORT

EAI ID#: **227591**

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	TP-7 0-3.5'	TP-6 9-10'	TP-5 6'	TP-4 9'
Lab Sample ID:	227591.02	227591.03	227591.04	227591.05
Matrix:	soil	soil	soil	soil
Date Sampled:	6/10/21	6/10/21	6/10/21	6/10/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	6/15/21	6/15/21	6/15/21	6/15/21
Date of Analysis:	6/15/21	6/15/21	6/15/21	6/15/21
Analyst:	JMR	JMR	JMR	JMR
Method:	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	1
Naphthalene	< 0.09	< 0.08	< 0.07	< 0.08
2-Methylnaphthalene	< 0.09	< 0.08	< 0.07	< 0.08
1-Methylnaphthalene	< 0.09	< 0.08	< 0.07	< 0.08
Acenaphthylene	< 0.09	< 0.08	< 0.07	< 0.08
Acenaphthene	< 0.09	< 0.08	< 0.07	< 0.08
Fluorene	< 0.09	< 0.08	< 0.07	< 0.08
Phenanthrene	0.17	< 0.08	< 0.07	< 0.08
Anthracene	< 0.09	< 0.08	< 0.07	< 0.08
Fluoranthene	0.53	< 0.08	< 0.07	< 0.08
Pyrene	0.61	< 0.08	< 0.07	< 0.08
Benzo[a]anthracene	0.44	< 0.08	< 0.07	< 0.08
Chrysene	0.40	< 0.08	< 0.07	< 0.08
Benzo[b]fluoranthene	0.40	< 0.08	< 0.07	< 0.08
Benzo[k]fluoranthene	0.14	< 0.08	< 0.07	< 0.08
Benzo[a]pyrene	0.35	< 0.08	< 0.07	< 0.08
Indeno[1,2,3-cd]pyrene	0.21	< 0.08	< 0.07	< 0.08
Dibenz[a,h]anthracene	< 0.09	< 0.08	< 0.07	< 0.08
Benzo[g,h,i]perylene	0.22	< 0.08	< 0.07	< 0.08
p-Terphenyl-D14 (surr)	71 %R	79 %R	76 %R	70 %R



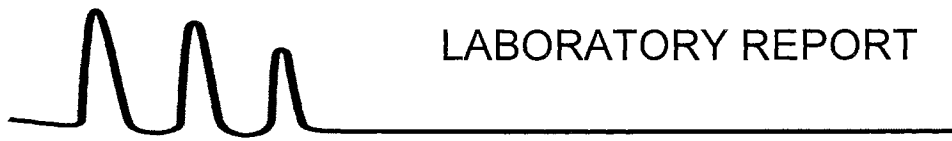
LABORATORY REPORT

EAI ID#: 227591

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	TP-14 1-2'	TP-1 0-2'	TP-2 3-4'	TP-3 2-3'
Lab Sample ID:	227591.07	227591.08	227591.09	227591.1
Matrix:	soil	soil	soil	soil
Date Sampled:	6/11/21	6/11/21	6/11/21	6/11/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	6/15/21	6/15/21	6/15/21	6/15/21
Date of Analysis:	6/15/21	6/15/21	6/15/21	6/15/21
Analyst:	JMR	JMR	JMR	JMR
Method:	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	1
Naphthalene	< 0.08	< 0.07	0.086	< 0.09
2-Methylnaphthalene	< 0.08	< 0.07	< 0.08	< 0.09
1-Methylnaphthalene	< 0.08	< 0.07	< 0.08	< 0.09
Acenaphthylene	< 0.08	0.10	0.19	< 0.09
Acenaphthene	< 0.08	< 0.07	0.13	< 0.09
Fluorene	< 0.08	0.073	0.19	< 0.09
Phenanthrene	0.38	0.75	1.5	0.57
Anthracene	0.12	0.22	0.46	0.12
Fluoranthene	0.71	1.3	2.4	0.95
Pyrene	0.59	1.1	2.1	0.79
Benzo[a]anthracene	0.37	0.71	1.3	0.70
Chrysene	0.38	0.69	1.3	0.75
Benzo[b]fluoranthene	0.47	0.83	1.6	0.93
Benzo[k]fluoranthene	0.16	0.33	0.54	0.35
Benzo[a]pyrene	0.36	0.68	1.3	0.65
Indeno[1,2,3-cd]pyrene	0.26	0.32	0.58	0.28
Dibenz[a,h]anthracene	< 0.08	0.081	0.15	< 0.09
Benzo[g,h,i]perylene	0.22	0.24	0.43	0.21
p-Terphenyl-D14 (surr)	69 %R	74 %R	75 %R	66 %R



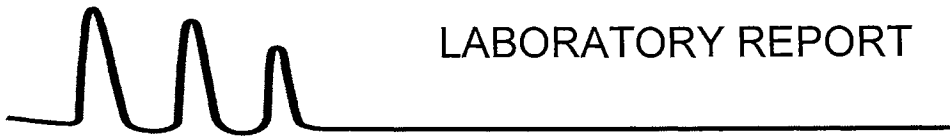
LABORATORY REPORT

EAI ID#: 227591

Client: Nobis Group

Client Designation: Robin Rug | 095560.260

Sample ID:	TP-7 0-3.5'	TP-6 9-10'	TP-5 6'	TP-4 9'
Lab Sample ID:	227591.02	227591.03	227591.04	227591.05
Matrix:	soil	soil	soil	soil
Date Sampled:	6/10/21	6/10/21	6/10/21	6/10/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	6/15/21	6/15/21	6/15/21	6/15/21
Date of Analysis:	6/15/21	6/15/21	6/15/21	6/15/21
Analyst:	JLB	JLB	JLB	JLB
Method:	8100mod	8100mod	8100mod	8100mod
Dilution Factor:	1	1	1	1
TPH (C9-C40)	69	580	< 30	< 30
p-Terphenyl-D14 (surr)	86 %R	97 %R	81 %R	68 %R



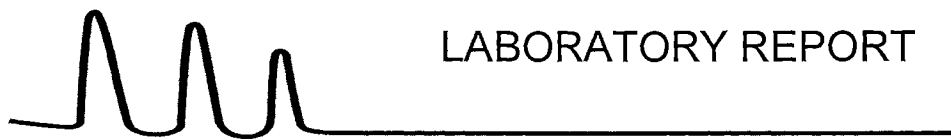
LABORATORY REPORT

EAI ID#: **227591**

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	TP-14 1-2'	TP-1 0-2'	TP-2 3-4'	TP-3 2-3'
Lab Sample ID:	227591.07	227591.08	227591.09	227591.1
Matrix:	soil	soil	soil	soil
Date Sampled:	6/11/21	6/11/21	6/11/21	6/11/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	6/15/21	6/15/21	6/15/21	6/15/21
Date of Analysis:	6/15/21	6/15/21	6/15/21	6/15/21
Analyst:	JLB	JLB	JLB	JLB
Method:	8100mod	8100mod	8100mod	8100mod
Dilution Factor:	1	1	1	1
TPH (C9-C40)	59	69	93	230
p-Terphenyl-D14 (surr)	84 %R	89 %R	96 %R	107 %R



LABORATORY REPORT

EAI ID#: **227591**

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	TP-7 0-3.5'	TP-6 9-10'	TP-14 1-2'	TP-1 0-2'
Lab Sample ID:	227591.02	227591.03	227591.07	227591.08
Matrix:	soil	soil	soil	soil
Date Sampled:	6/10/21	6/10/21	6/11/21	6/11/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
% Solid:	82.1	86.7	90.3	92.1
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	6/14/21	6/14/21	6/14/21	6/14/21
Date of Analysis:	6/18/21	6/18/21	6/18/21	6/18/21
Analyst:	MB	MB	MB	MB
Extraction Method:	3540C	3540C	3540C	3540C
Analysis Method:	8081B	8081B	8081B	8081B
Dilution Factor:	1	1	1	1
Aldrin	< 0.006	< 0.006	< 0.006	< 0.005
alpha-BHC	< 0.006	< 0.006	< 0.006	< 0.005
beta-BHC	< 0.006	< 0.006	< 0.006	< 0.005
Lindane(gamma-BHC)	< 0.006	< 0.006	< 0.006	< 0.005
delta-BHC	< 0.006	< 0.006	< 0.006	< 0.005
Chlordane	< 0.02	< 0.02	< 0.02	< 0.02
4,4'-DDT	0.014	0.040	< 0.006	< 0.005
4,4'-DDE	0.012	< 0.006	< 0.006	< 0.005
4,4'-DDD	< 0.006	0.063	< 0.006	< 0.005
Dieldrin	< 0.006	< 0.006	< 0.006	< 0.005
Endosulfan I	< 0.006	< 0.006	< 0.006	< 0.005
Endosulfan II	< 0.006	< 0.006	< 0.006	< 0.005
Endosulfan Sulfate	< 0.006	< 0.006	< 0.006	< 0.005
Endrin	< 0.006	< 0.006	< 0.006	< 0.005
Endrin Aldehyde	< 0.006	< 0.006	< 0.006	< 0.005
Endrin Ketone	< 0.006	< 0.006	< 0.006	< 0.005
Heptachlor	< 0.006	< 0.006	< 0.006	< 0.005
Heptachlor Epoxide	< 0.006	< 0.006	< 0.006	< 0.005
Methoxychlor	< 0.006	< 0.006	< 0.006	< 0.005
Toxaphene	< 0.06	< 0.06	< 0.06	< 0.05
TMX (surr)	61 %R	45 %R	60 %R	53 %R
DCB (surr)	44 %R	56 %R	45 %R	35 %R

Clean-up was performed on the samples and associated batch QC.



LABORATORY REPORT

EAI ID#: 227591

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID: TP-3 2-3'

Lab Sample ID: 227591.1
Matrix: soil
Date Sampled: 6/11/21
Date Received: 6/14/21
% Solid: 81.6
Units: mg/kg
Date of Extraction/Prep: 6/14/21
Date of Analysis: 6/18/21
Analyst: MB
Extraction Method: 3540C
Analysis Method: 8081B
Dilution Factor: 1

Aldrin	< 0.006
alpha-BHC	< 0.006
beta-BHC	< 0.006
Lindane(gamma-BHC)	< 0.006
delta-BHC	< 0.006
Chlordane	< 0.02
4,4'-DDT	< 0.006
4,4'-DDE	< 0.006
4,4'-DDD	< 0.006
Dieldrin	< 0.006
Endosulfan I	< 0.006
Endosulfan II	< 0.006
Endosulfan Sulfate	< 0.006
Endrin	< 0.006
Endrin Aldehyde	< 0.006
Endrin Ketone	< 0.006
Heptachlor	< 0.006
Heptachlor Epoxide	< 0.006
Methoxychlor	< 0.006
Toxaphene	< 0.06
TMX (surr)	49 %R
DCB (surr)	37 %R

Clean-up was performed on the samples and associated batch QC.



LABORATORY REPORT

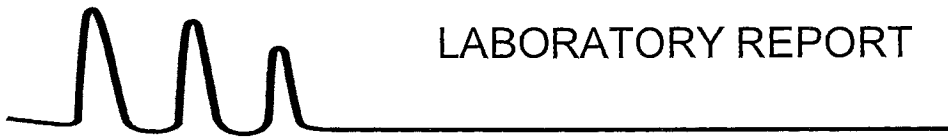
EAI ID#: 227591

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	TP-7 0-3.5'	TP-6 9-10'	TP-14 1-2'	TP-1 0-2'
Lab Sample ID:	227591.02	227591.03	227591.07	227591.08
Matrix:	soil	soil	soil	soil
Date Sampled:	6/10/21	6/10/21	6/11/21	6/11/21
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21
% Solid:	82.1	86.7	90.3	92.1
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	6/14/21	6/14/21	6/14/21	6/14/21
Date of Analysis:	6/15/21	6/15/21	6/15/21	6/15/21
Analyst:	MB	MB	MB	MB
Extraction Method:	3540C	3540C	3540C	3540C
Analysis Method:	8082A	8082A	8082A	8082A
Dilution Factor:	1	1	1	1
PCB-1016	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1221	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1232	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1242	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1248	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1254	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1260	< 0.02	< 0.02	< 0.02	0.040
PCB-1262	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1268	< 0.02	< 0.02	< 0.02	< 0.02
TMX (surr)	96 %R	58 %R	79 %R	88 %R
DCB (surr)	94 %R	93 %R	87 %R	78 %R

Acid clean-up was performed on the samples and associated batch QC.



LABORATORY REPORT

EAI ID#: 227591

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID: TP-3 2-3'

Lab Sample ID: 227591.1

Matrix: soil

Date Sampled: 6/11/21

Date Received: 6/14/21

% Solid: 81.6

Units: mg/kg

Date of Extraction/Prep: 6/14/21

Date of Analysis: 6/15/21

Analyst: MB

Extraction Method: 3540C

Analysis Method: 8082A

Dilution Factor: 1

PCB-1016	< 0.02
PCB-1221	< 0.02
PCB-1232	< 0.02
PCB-1242	< 0.02
PCB-1248	< 0.02
PCB-1254	< 0.02
PCB-1260	< 0.02
PCB-1262	< 0.02
PCB-1268	< 0.02
TMX (surr)	76 %R
DCB (surr)	73 %R

Acid clean-up was performed on the samples and associated batch QC.



LABORATORY REPORT

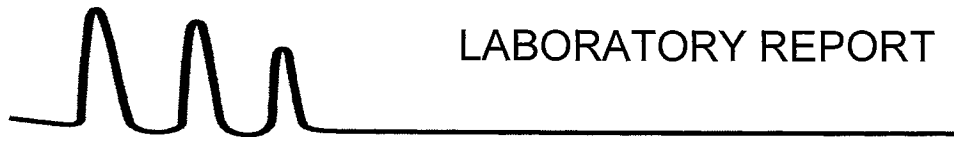
EAI ID#: 227591

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	TP-6 9-10'	TP-5 6'	TP-4 9'	TP-1 0-2'					
Lab Sample ID:	227591.03	227591.04	227591.05	227591.08					
Matrix:	soil	soil	soil	soil					
Date Sampled:	6/10/21	6/10/21	6/10/21	6/11/21	Analytical		Date of		
Date Received:	6/14/21	6/14/21	6/14/21	6/14/21	Matrix	Units	Analysis	Method	Analyst
Arsenic	2.3	2.9	4.9	8.4	SolTotDry	mg/kg	6/15/21	6020	DS
Barium	8.3	11	20	29	SolTotDry	mg/kg	6/15/21	6020	DS
Cadmium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	6/15/21	6020	DS
Chromium	7.1	8.4	13	14	SolTotDry	mg/kg	6/15/21	6020	DS
Lead	8.4	6.0	7.7	55	SolTotDry	mg/kg	6/15/21	6020	DS
Mercury	< 0.1	< 0.1	< 0.1	< 0.1	SolTotDry	mg/kg	6/15/21	6020	DS
Selenium	0.82	< 0.5	< 0.5	0.65	SolTotDry	mg/kg	6/15/21	6020	DS
Silver	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	6/15/21	6020	DS

Sample ID:	TP-3 2-3'								
Lab Sample ID:	227591.1								
Matrix:	soil								
Date Sampled:	6/11/21				Analytical		Date of		
Date Received:	6/14/21				Matrix	Units	Analysis	Method	Analyst
Arsenic	18				SolTotDry	mg/kg	6/15/21	6020	DS
Barium	120				SolTotDry	mg/kg	6/15/21	6020	DS
Cadmium	1.2				SolTotDry	mg/kg	6/15/21	6020	DS
Chromium	15				SolTotDry	mg/kg	6/15/21	6020	DS
Lead	63				SolTotDry	mg/kg	6/15/21	6020	DS
Mercury	0.13				SolTotDry	mg/kg	6/15/21	6020	DS
Selenium	2.4				SolTotDry	mg/kg	6/15/21	6020	DS
Silver	< 0.5				SolTotDry	mg/kg	6/15/21	6020	DS



LABORATORY REPORT

EAI ID#: **227591**

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	TP-7 0-3.5'	TP-14 1-2'	TP-2 3-4'						
Lab Sample ID:	227591.02	227591.07	227591.09						
Matrix:	soil	soil	soil						
Date Sampled:	6/10/21	6/11/21	6/11/21	Analytical Matrix	Units	Date of Analysis	Method	Analyst	
Date Received:	6/14/21	6/14/21	6/14/21						
Arsenic	6.6	4.2	6.9	SolTotDry	mg/kg	6/15/21	6020	DS	
Barium	1500	72	43	SolTotDry	mg/kg	6/15/21	6020	DS	
Cadmium	< 0.5	< 0.5	0.59	SolTotDry	mg/kg	6/15/21	6020	DS	
Chromium	13	15	25	SolTotDry	mg/kg	6/15/21	6020	DS	
Lead	4600	99	130	SolTotDry	mg/kg	6/15/21	6020	DS	
Mercury	0.28	0.22	0.28	SolTotDry	mg/kg	6/15/21	6020	DS	
Selenium	1.3	0.54	0.66	SolTotDry	mg/kg	6/15/21	6020	DS	
Silver	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	6/15/21	6020	DS	
Lead	1.4	< 0.5	< 0.5	TCLPsolid	mg/L	6/18/21	6020	DS	

CHAIN-OF-CUSTODY RECORD

227591

16

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

SAMPLE I.D.	SAMPLING DATE/TIME <small>*IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME</small>	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC			SVOC			TC1P		INORGANICS			MICRO METALS		OTHER		NOTES MeOH Vial #
				524.2 524.2 HTBE ONLY	524.2 HTBE ONLY	524.2 HTBE ONLY	215 GNO 215 GNO	215 GNO 215 GNO	215 GNO 215 GNO	PCB AOC PCB AOC	PCB AOC PCB AOC	PCB AOC PCB AOC	215 GNO 215 GNO	215 GNO 215 GNO	215 GNO 215 GNO	215 GNO 215 GNO	215 GNO 215 GNO	215 GNO 215 GNO	
Trip blank	6-10-21/1000	S	G	X														1	
TP-7 0-3.5'	10900	S	G	X		X	X	X										X	3
TP-6 9-10'	1115	S	G	X		X	X	X										X	3
TP-5 6'	1130	S	G	X		X	X	X										X	3
TP-4 9'	1145	S	G	X		X	X	X										X	3
Trip blank	6-11-21/0700	S	G	X															1
TP-14 1-2'	10830	S	G	X		X	X	X										X	3
TP-1 0-2'	11015	S	G	X		X	X	X										X	3
TP-2 3-4'	1055	S	G	X		X	X	X										X	3
TP-3 2-3'	11140	S	G	X		X	X	X										X	3

MATRIX: A-Air; S-Soil; GW-Ground Water; SW-Surface Water; DW-Drinking Water;
 WW-Waste Water
 PRESERVATIVE: H-HCL; N-HNO₃; S-H₂SO₄; Na-NaOH; M-MEOH

PROJECT MANAGER: Bettina Farnes
COMPANY: Nobis Group
ADDRESS: 18 Chenell Drive
CITY: Concord **STATE:** NH **ZIP:** 03301
PHONE: 603-224-4182 **EXT.:** _____
E-MAIL: _____
SITE NAME: Probin Ref
PROJECT #: 095560.00
STATE: NH MA ME VT OTHER: NI
REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR
 GWP, OIL FUND, BROWNFIELD OR OTHER: _____
QUOTE #: _____ **PO #:** _____

QA/QC REPORTING
 A B C
 MA MCP
 TEMP: 2.7 °C
 ICE? YES NO

REPORTING OPTIONS
 PRELIMS: YES OR NO
ELECTRONIC OPTIONS
 PDF EXCEL
 EQUIS
 OTHER: _____

TURN AROUND TIME
 24hr* 48hr*
 3-4 Days*
 5 Day 7 Day
 10 Day
 *Pre-approval Required

SAMPLER(S): B Rizza
RELINQUISHED BY: Richard Polya **DATE:** 6/14/21 **TIME:** 8:09
RECEIVED BY: _____
RELINQUISHED BY: Polya **DATE:** 6/14/21 **TIME:** 0835
RECEIVED BY: _____

METALS: **ACRA** **13 PP** **FE** **MN** **Pb** **CU**
OTHER METALS: _____
SAMPLES FIELD FILTERED? **YES** **NO**
NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)
8270-PAHs only
SITE HISTORY: _____
SUSPECTED CONTAMINATION: _____
FIELD READINGS: _____



Eastern Analytical, Inc.

professional laboratory and drilling services



Bettina Eames
Nobis Group
18 Chenell Drive
Concord, NH 03301

Laboratory Report for:

Eastern Analytical, Inc. ID: 228404
Client Identification: Robin Rug | 095560.260
Date Received: 7/1/2021

Enclosed are the analytical results per the Chain of Custody for sample(s) in the referenced project. All analyses were performed in accordance with our QA/QC Program, NELAP and other applicable state requirements. All quality control criteria was within acceptance criteria unless noted on the report pages. Results are for the exclusive use of the client named on this report and will not be released to a third party without consent.

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the written approval of the laboratory.

The following standard abbreviations and conventions apply to all EAI reports:

- < : "less than" followed by the reporting limit
- > : "greater than" followed by the reporting limit
- %R : % Recovery

Certifications:

Eastern Analytical, Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269), Vermont (VT1012), New York (12072), West Virginia (9910C) and Alabama (41620). Please refer to our website at www.easternanalytical.com for a copy of our certificates and accredited parameters.


References:

- EPA 600/4-79-020, 1983
- Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd edition or noted revision year.
- Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- Hach Water Analysis Handbook, 4th edition, 1992

If you have any questions regarding the results contained within, please feel free to contact customer service. Unless otherwise requested, we will dispose of the sample(s) 6 weeks from the sample receipt date.

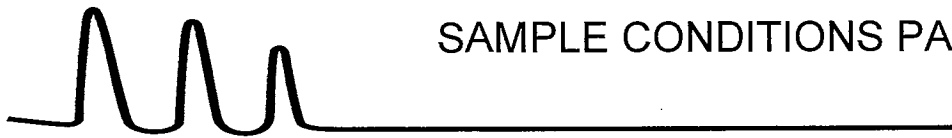
We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,


Lorraine Olashaw, Lab Director

7.7.21
Date

10
of pages (excluding cover letter)



SAMPLE CONDITIONS PAGE

EAI ID#: 228404

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Temperature upon receipt (°C): 3.8

Received on ice or cold packs (Yes/No): Y

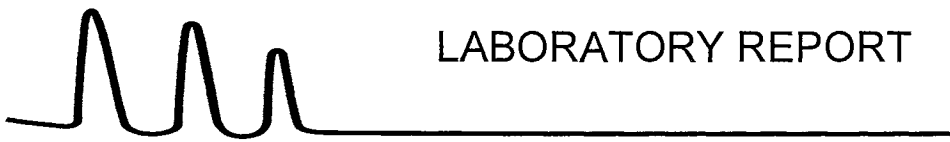
Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date/Time Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
228404.01	Trip Blank	7/1/21	6/29/21 07:00	aqueous		Adheres to Sample Acceptance Policy
228404.02	NB-2	7/1/21	6/30/21 08:00	aqueous		Adheres to Sample Acceptance Policy
228404.03	NB-3	7/1/21	6/29/21 15:10	aqueous		Adheres to Sample Acceptance Policy
228404.04	GZA-1	7/1/21	6/29/21 16:50	aqueous		Adheres to Sample Acceptance Policy
228404.05	GZA-2	7/1/21	6/29/21 17:35	aqueous		Adheres to Sample Acceptance Policy
228404.06	GZA-3	7/1/21	6/29/21 16:15	aqueous		Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.
- Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.
- Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.
- Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.



LABORATORY REPORT

EAI ID#: 228404

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	Trip Blank	NB-2	NB-3	GZA-1
Lab Sample ID:	228404.01	228404.02	228404.03	228404.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	6/29/21	6/30/21	6/29/21	6/29/21
Date Received:	7/1/21	7/1/21	7/1/21	7/1/21
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/1/21	7/1/21	7/1/21	7/1/21
Analyst:	DGM	DGM	DGM	DGM
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Dichlorodifluoromethane	< 2	< 2	< 2	< 2
Chloromethane	< 2	< 2	< 2	< 2
Vinyl chloride	< 1	< 1	< 1	< 1
Bromomethane	< 2	< 2	< 2	< 2
Chloroethane	< 2	< 2	< 2	< 2
Trichlorofluoromethane	< 2	< 2	< 2	< 2
Diethyl Ether	< 2	< 2	< 2	< 2
Acetone	< 10	< 10	< 10	< 10
1,1-Dichloroethene	< 0.5	< 0.5	< 0.5	< 0.5
tert-Butyl Alcohol (TBA)	< 30	< 30	< 30	< 30
Methylene chloride	< 1	< 1	< 1	< 1
Carbon disulfide	< 2	< 2	< 2	< 2
Methyl-t-butyl ether(MTBE)	< 1	< 1	< 1	< 1
Ethyl-t-butyl ether(ETBE)	< 2	< 2	< 2	< 2
Isopropyl ether(DIPE)	< 2	< 2	< 2	< 2
tert-amyl methyl ether(TAME)	< 2	< 2	< 2	< 2
trans-1,2-Dichloroethene	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1
2,2-Dichloropropane	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	< 1	< 1	< 1	< 1
2-Butanone(MEK)	< 10	< 10	< 10	< 10
Bromochloromethane	< 1	< 1	< 1	< 1
Tetrahydrofuran(THF)	< 10	< 10	< 10	< 10
Chloroform	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1
Carbon tetrachloride	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	< 1	< 1	< 1
Benzene	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	< 1	< 1
Trichloroethene	< 1	< 1	< 1	< 1
1,2-Dichloropropane	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1
Bromodichloromethane	< 0.5	< 0.5	< 0.5	< 0.5
1,4-Dioxane	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10	< 10
cis-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1
2-Hexanone	< 10	< 10	< 10	< 10
Tetrachloroethene	< 1	< 1	< 1	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1
1,2-Dibromoethane(EDB)	< 0.5	< 0.5	< 0.5	< 0.5
Chlorobenzene	< 1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1



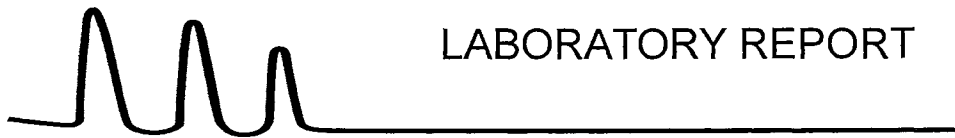
LABORATORY REPORT

EAI ID#: **228404**

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	Trip Blank	NB-2	NB-3	GZA-1
Lab Sample ID:	228404.01	228404.02	228404.03	228404.04
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	6/29/21	6/30/21	6/29/21	6/29/21
Date Received:	7/1/21	7/1/21	7/1/21	7/1/21
Units:	ug/L	ug/L	ug/L	ug/L
Date of Analysis:	7/1/21	7/1/21	7/1/21	7/1/21
Analyst:	DGM	DGM	DGM	DGM
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Ethylbenzene	< 1	< 1	< 1	< 1
mp-Xylene	< 1	< 1	< 1	< 1
o-Xylene	< 1	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2
IsoPropylbenzene	< 1	< 1	< 1	< 1
Bromobenzene	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1
1,2,3-Trichloropropane	< 0.5	< 0.5	< 0.5	< 0.5
n-Propylbenzene	< 1	< 1	< 1	< 1
2-Chlorotoluene	< 1	< 1	< 1	< 1
4-Chlorotoluene	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1
tert-Butylbenzene	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1
sec-Butylbenzene	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1
p-Isopropyltoluene	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1
n-Butylbenzene	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	< 2	< 2	< 2	< 2
1,3,5-Trichlorobenzene	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 0.5	< 0.5	< 0.5	< 0.5
Naphthalene	< 2	< 2	< 2	< 2
1,2,3-Trichlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5
4-Bromofluorobenzene (surr)	90 %R	91 %R	91 %R	90 %R
1,2-Dichlorobenzene-d4 (surr)	103 %R	101 %R	103 %R	103 %R
Toluene-d8 (surr)	97 %R	97 %R	97 %R	97 %R
1,2-Dichloroethane-d4 (surr)	106 %R	105 %R	106 %R	106 %R



LABORATORY REPORT

EAI ID#: 228404

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	GZA-2	GZA-3
Lab Sample ID:	228404.05	228404.06
Matrix:	aqueous	aqueous
Date Sampled:	6/29/21	6/29/21
Date Received:	7/1/21	7/1/21
Units:	ug/L	ug/L
Date of Analysis:	7/1/21	7/1/21
Analyst:	DGM	DGM
Method:	8260C	8260C
Dilution Factor:	1	1
Dichlorodifluoromethane	< 2	< 2
Chloromethane	< 2	< 2
Vinyl chloride	< 1	< 1
Bromomethane	< 2	< 2
Chloroethane	< 2	< 2
Trichlorofluoromethane	< 2	< 2
Diethyl Ether	< 2	< 2
Acetone	< 10	< 10
1,1-Dichloroethene	< 0.5	< 0.5
tert-Butyl Alcohol (TBA)	< 30	< 30
Methylene chloride	< 1	< 1
Carbon disulfide	< 2	< 2
Methyl-t-butyl ether(MTBE)	< 1	< 1
Ethyl-t-butyl ether(ETBE)	< 2	< 2
Isopropyl ether(DIPE)	< 2	< 2
tert-amyl methyl ether(TAME)	< 2	< 2
trans-1,2-Dichloroethene	< 1	< 1
1,1-Dichloroethane	< 1	< 1
2,2-Dichloropropane	< 1	< 1
cis-1,2-Dichloroethene	< 1	< 1
2-Butanone(MEK)	< 10	< 10
Bromochloromethane	< 1	< 1
Tetrahydrofuran(THF)	< 10	< 10
Chloroform	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1
Carbon tetrachloride	< 1	< 1
1,1-Dichloropropene	< 1	< 1
Benzene	< 1	< 1
1,2-Dichloroethane	< 1	< 1
Trichloroethene	< 1	< 1
1,2-Dichloropropane	< 1	< 1
Dibromomethane	< 1	< 1
Bromodichloromethane	< 0.5	< 0.5
1,4-Dioxane	< 50	< 50
4-Methyl-2-pentanone(MIBK)	< 10	< 10
cis-1,3-Dichloropropene	< 0.5	< 0.5
Toluene	< 1	< 1
trans-1,3-Dichloropropene	< 0.5	< 0.5
1,1,2-Trichloroethane	< 1	< 1
2-Hexanone	< 10	< 10
Tetrachloroethene	< 1	< 1
1,3-Dichloropropane	< 1	< 1
Dibromochloromethane	< 1	< 1
1,2-Dibromoethane(EDB)	< 0.5	< 0.5
Chlorobenzene	< 1	< 1
1,1,1,2-Tetrachloroethane	< 1	< 1



LABORATORY REPORT

EAI ID#: 228404

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	GZA-2	GZA-3
Lab Sample ID:	228404.05	228404.06
Matrix:	aqueous	aqueous
Date Sampled:	6/29/21	6/29/21
Date Received:	7/1/21	7/1/21
Units:	ug/L	ug/L
Date of Analysis:	7/1/21	7/1/21
Analyst:	DGM	DGM
Method:	8260C	8260C
Dilution Factor:	1	1
Ethylbenzene	< 1	< 1
mp-Xylene	< 1	< 1
o-Xylene	< 1	< 1
Styrene	< 1	< 1
Bromoform	< 2	< 2
IsoPropylbenzene	< 1	< 1
Bromobenzene	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1
1,2,3-Trichloropropane	< 0.5	< 0.5
n-Propylbenzene	< 1	< 1
2-Chlorotoluene	< 1	< 1
4-Chlorotoluene	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1
tert-Butylbenzene	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1
sec-Butylbenzene	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1
p-Isopropyltoluene	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1
n-Butylbenzene	< 1	< 1
1,2-Dibromo-3-chloropropane	< 2	< 2
1,3,5-Trichlorobenzene	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1
Hexachlorobutadiene	< 0.5	< 0.5
Naphthalene	< 2	< 2
1,2,3-Trichlorobenzene	< 0.5	< 0.5
4-Bromofluorobenzene (surr)	90 %R	90 %R
1,2-Dichlorobenzene-d4 (surr)	102 %R	102 %R
Toluene-d8 (surr)	97 %R	97 %R
1,2-Dichloroethane-d4 (surr)	106 %R	105 %R



LABORATORY REPORT

EAI ID#: **228404**

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	NB-2	NB-3	GZA-1	GZA-2
Lab Sample ID:	228404.02	228404.03	228404.04	228404.05
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	6/30/21	6/29/21	6/29/21	6/29/21
Date Received:	7/1/21	7/1/21	7/1/21	7/1/21
Units:	ug/L	ug/L	ug/L	ug/L
Date of Extraction/Prep:	7/1/21	7/1/21	7/1/21	7/1/21
Date of Analysis:	7/1/21	7/1/21	7/1/21	7/1/21
Analyst:	JMR	JMR	JMR	JMR
Method:	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	1
Naphthalene	< 0.1	< 0.1	< 0.1	< 0.1
2-Methylnaphthalene	< 0.1	< 0.1	< 0.1	< 0.1
1-Methylnaphthalene	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	< 0.1	< 0.1	< 0.1	< 0.1
Pyrene	< 0.1	< 0.1	0.14	< 0.1
Benzo[a]anthracene	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[b]fluoranthene	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[k]fluoranthene	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[a]pyrene	< 0.1	< 0.1	< 0.1	< 0.1
Indeno[1,2,3-cd]pyrene	< 0.1	< 0.1	< 0.1	< 0.1
Dibenz[a,h]anthracene	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[g,h,i]perylene	< 0.1	< 0.1	< 0.1	< 0.1
p-Terphenyl-D14 (surr)	51 %R	48 %R	30 %R	66 %R



LABORATORY REPORT

EAI ID#: 228404

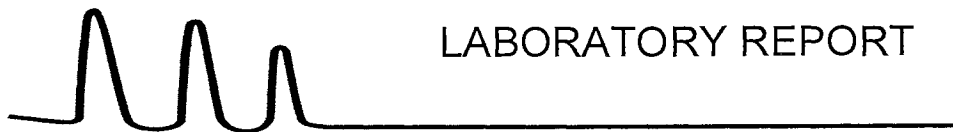
Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID: GZA-3

Lab Sample ID: 228404.06
Matrix: aqueous
Date Sampled: 6/29/21
Date Received: 7/1/21
Units: ug/L
Date of Extraction/Prep: 7/1/21
Date of Analysis: 7/1/21
Analyst: JMR
Method: 8270D
Dilution Factor: 1

Naphthalene	< 0.1
2-Methylnaphthalene	< 0.1
1-Methylnaphthalene	< 0.1
Acenaphthylene	< 0.1
Acenaphthene	< 0.1
Fluorene	< 0.1
Phenanthrene	0.13
Anthracene	< 0.1
Fluoranthene	0.28
Pyrene	0.24
Benzo[a]anthracene	0.18
Chrysene	0.12
Benzo[b]fluoranthene	0.18
Benzo[k]fluoranthene	< 0.1
Benzo[a]pyrene	0.14
Indeno[1,2,3-cd]pyrene	< 0.1
Dibenz[a,h]anthracene	< 0.1
Benzo[g,h,i]perylene	< 0.1
p-Terphenyl-D14 (surr)	55 %R



LABORATORY REPORT

EAI ID#: **228404**

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID:	NB-2	NB-3	GZA-1	GZA-2
Lab Sample ID:	228404.02	228404.03	228404.04	228404.05
Matrix:	aqueous	aqueous	aqueous	aqueous
Date Sampled:	6/30/21	6/29/21	6/29/21	6/29/21
Date Received:	7/1/21	7/1/21	7/1/21	7/1/21
Units:	mg/L	mg/L	mg/L	mg/L
Date of Extraction/Prep:	7/1/21	7/1/21	7/1/21	7/1/21
Date of Analysis:	7/1/21	7/1/21	7/1/21	7/1/21
Analyst:	JLB	JLB	JLB	JLB
Method:	8100mod	8100mod	8100mod	8100mod
Dilution Factor:	1	1	1	1
TPH (C9-C40)	< 0.4	< 0.5	< 0.5	< 0.4
p-Terphenyl-D14 (surr)	45 %R	44 %R	29 %R	61 %R

GZA-1: The surrogate p-Terphenyl-D14 exhibited recovery below acceptance limits. The results were confirmed by re-analysis.



LABORATORY REPORT

EAI ID#: 228404

Client: **Nobis Group**

Client Designation: **Robin Rug | 095560.260**

Sample ID: GZA-3

Lab Sample ID: 228404.06

Matrix: aqueous

Date Sampled: 6/29/21

Date Received: 7/1/21

Units: mg/L

Date of Extraction/Prep: 7/1/21

Date of Analysis: 7/1/21

Analyst: JLB

Method: 8100mod

Dilution Factor: 1

TPH (C9-C40) < 0.4

p-Terphenyl-D14 (surr) **49 %R**

SAMPLE I.D.	SAMPLING DATE/TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC		SVOC		TCMP	INORGANICS				MICRO	METALS	OTHER	# OF CONTAINERS	NOTES MeOH Vial #
				VTCS	MAVPH	EDB	LI		L2	MAEPH	PCB 608	PCB 8082					
Imp Blank	10/29/21 0700	GM G		524.2		8021											
NB-2	10/30/21 0800	GM G		524.2 MTBE ONLY		8015 GRO											
NB-3	10/29/21 1510	GM G		8260 1, 4 DIOXANE		8015 DRO											
GZA-1	10/29/21 1050	GM G		8021		PEST 608											
GZA-2	10/29/21 1735	GM G		8015 DRO		PEST 8081											
GZA-3	10/29/21 1015	GM G		8015 DRO		OIL & GREASE 1664											

PROJECT MANAGER: Bethina Evans
COMPANY: NBBIS
ADDRESS: 18 CUMMILL DRIVE
CITY: Concord **STATE:** NH **ZIP:** 03301
PHONE: 603-224-4182 **EXT.:**
E-MAIL: beamus@nbbis-group.com
SITE NAME: Robin Run
PROJECT #: 0955100.220
STATE: NH MA ME VT OTHER: RI
REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR
 GWP, OIL FUND, BROWNFIELD OR OTHER:

QA/QC REPORTING
 A B C
 MA MCP
 TEMP: 3.8 °C
 ICE? YES NO
REPORTING OPTIONS
 PRELIMS: YES OR NO
 ELECTRONIC OPTIONS
 PDF EXCEL
 OTHER
TURN AROUND TIME
 24hr* 48hr*
 3-4 Days*
 5 Day 7 Day
 *Pre-approval Required

RELINQUISHED BY: S. Powers
DATE: 7/1/21
TIME: 10:45
RECEIVED BY:
DATE:
TIME:
RECEIVED BY:
RELINQUISHED BY:
DATE:
TIME:
RECEIVED BY:
DATE:
TIME:
RECEIVED BY:

July 13, 2021

Bettina Eames
Nobis Engineering - NH
18 Chenell Drive
Concord, NH 03301

Project Location: 125 Thames St, Bristol, RI
Client Job Number:
Project Number: 095560.260
Laboratory Work Order Number: 21G0028

Enclosed are results of analyses for samples received by the laboratory on July 1, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jessica L. Hoffman
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Nobis Engineering - NH
 18 Chenell Drive
 Concord, NH 03301
 ATTN: Bettina Eames

REPORT DATE: 7/13/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 095560.260

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21G0028

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 125 Thames St, Bristol, RI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-1	21G0028-01	Wipe		SW-846 8082A	
WS-2	21G0028-02	Wipe		SW-846 8082A	
WS-3	21G0028-03	Wipe		SW-846 8082A	
WS-4	21G0028-04	Wipe		SW-846 8082A	
CW-1	21G0028-05	Wipe		SW-846 8082A	
CW-2	21G0028-06	Wipe		SW-846 8082A	
CW-3	21G0028-07	Wipe		SW-846 8082A	
CW-4	21G0028-08	Wipe		SW-846 8082A	
CW-5	21G0028-09	Wipe		SW-846 8082A	
CW-6	21G0028-10	Wipe		SW-846 8082A	
CW-7	21G0028-11	Wipe		SW-846 8082A	
CW-8	21G0028-12	Wipe		SW-846 8082A	
CW-9	21G0028-13	Wipe		SW-846 8082A	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Aroclor-1016

21G0028-01[WS-1], 21G0028-02[WS-2], 21G0028-03[WS-3], 21G0028-04[WS-4], 21G0028-05[CW-1], 21G0028-06[CW-2], 21G0028-07[CW-3], 21G0028-08[CW-4], 21G0028-09[CW-5], 21G0028-10[CW-6], 21G0028-11[CW-7], 21G0028-12[CW-8], 21G0028-13[CW-9], B285514-BLK1, B285514-BS1, B285514-BSD1

Aroclor-1016 [2C]

21G0028-01[WS-1], 21G0028-02[WS-2], 21G0028-03[WS-3], 21G0028-04[WS-4], 21G0028-05[CW-1], 21G0028-06[CW-2], 21G0028-07[CW-3], 21G0028-08[CW-4], 21G0028-09[CW-5], 21G0028-10[CW-6], 21G0028-11[CW-7], 21G0028-12[CW-8], 21G0028-13[CW-9], B285514-BLK1, B285514-BS1, B285514-BSD1

Aroclor-1260

21G0028-01[WS-1], 21G0028-02[WS-2], 21G0028-03[WS-3], 21G0028-04[WS-4], 21G0028-05[CW-1], 21G0028-06[CW-2], 21G0028-07[CW-3], 21G0028-08[CW-4], 21G0028-09[CW-5], 21G0028-10[CW-6], 21G0028-11[CW-7], 21G0028-12[CW-8], 21G0028-13[CW-9], B285514-BLK1, B285514-BS1, B285514-BSD1

Aroclor-1260 [2C]

21G0028-01[WS-1], 21G0028-02[WS-2], 21G0028-03[WS-3], 21G0028-04[WS-4], 21G0028-05[CW-1], 21G0028-06[CW-2], 21G0028-07[CW-3], 21G0028-08[CW-4], 21G0028-09[CW-5], 21G0028-10[CW-6], 21G0028-11[CW-7], 21G0028-12[CW-8], 21G0028-13[CW-9], B285514-BLK1, B285514-BS1, B285514-BSD1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 125 Thames St, Bristol, RI

Sample Description:

Work Order: 21G0028

Date Received: 7/1/2021

Field Sample #: WS-1

Sampled: 6/28/2021 13:00

Sample ID: 21G0028-01

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 8:25	SFM
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 8:25	SFM
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 8:25	SFM
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 8:25	SFM
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 8:25	SFM
Aroclor-1254 [1]	0.25	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 8:25	SFM
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 8:25	SFM
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 8:25	SFM
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 8:25	SFM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.8	30-150					7/13/21 8:25	
Decachlorobiphenyl [2]		67.9	30-150					7/13/21 8:25	
Tetrachloro-m-xylene [1]		68.0	30-150					7/13/21 8:25	
Tetrachloro-m-xylene [2]		68.0	30-150					7/13/21 8:25	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 125 Thames St, Bristol, RI

Sample Description:

Work Order: 21G0028

Date Received: 7/1/2021

Field Sample #: WS-2

Sampled: 6/28/2021 12:55

Sample ID: 21G0028-02

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 8:43	SFM
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 8:43	SFM
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 8:43	SFM
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 8:43	SFM
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 8:43	SFM
Aroclor-1254 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 8:43	SFM
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 8:43	SFM
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 8:43	SFM
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 8:43	SFM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.5	30-150					7/13/21 8:43	
Decachlorobiphenyl [2]		74.1	30-150					7/13/21 8:43	
Tetrachloro-m-xylene [1]		72.3	30-150					7/13/21 8:43	
Tetrachloro-m-xylene [2]		72.1	30-150					7/13/21 8:43	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 125 Thames St, Bristol, RI

Sample Description:

Work Order: 21G0028

Date Received: 7/1/2021

Sampled: 6/28/2021 13:10

Field Sample #: WS-3

Sample ID: 21G0028-03

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 9:00	SFM
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:00	SFM
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:00	SFM
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:00	SFM
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:00	SFM
Aroclor-1254 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:00	SFM
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 9:00	SFM
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:00	SFM
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:00	SFM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.9	30-150					7/13/21 9:00	
Decachlorobiphenyl [2]		80.1	30-150					7/13/21 9:00	
Tetrachloro-m-xylene [1]		82.5	30-150					7/13/21 9:00	
Tetrachloro-m-xylene [2]		82.2	30-150					7/13/21 9:00	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 125 Thames St, Bristol, RI

Sample Description:

Work Order: 21G0028

Date Received: 7/1/2021

Field Sample #: WS-4

Sampled: 6/28/2021 13:20

Sample ID: 21G0028-04

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 9:18	SFM
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:18	SFM
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:18	SFM
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:18	SFM
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:18	SFM
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:18	SFM
Aroclor-1260 [2]	0.20	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 9:18	SFM
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:18	SFM
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:18	SFM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		68.7	30-150					7/13/21 9:18	
Decachlorobiphenyl [2]		65.3	30-150					7/13/21 9:18	
Tetrachloro-m-xylene [1]		69.3	30-150					7/13/21 9:18	
Tetrachloro-m-xylene [2]		69.4	30-150					7/13/21 9:18	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 125 Thames St, Bristol, RI

Sample Description:

Work Order: 21G0028

Date Received: 7/1/2021

Field Sample #: CW-1

Sampled: 6/28/2021 14:00

Sample ID: 21G0028-05

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 9:36	SFM
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:36	SFM
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:36	SFM
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:36	SFM
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:36	SFM
Aroclor-1254 [2]	0.32	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:36	SFM
Aroclor-1260 [2]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 9:36	SFM
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:36	SFM
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:36	SFM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.0	30-150					7/13/21 9:36	
Decachlorobiphenyl [2]		91.9	30-150					7/13/21 9:36	
Tetrachloro-m-xylene [1]		85.1	30-150					7/13/21 9:36	
Tetrachloro-m-xylene [2]		84.2	30-150					7/13/21 9:36	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 125 Thames St, Bristol, RI

Sample Description:

Work Order: 21G0028

Date Received: 7/1/2021

Field Sample #: CW-2

Sampled: 6/28/2021 15:00

Sample ID: 21G0028-06

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 9:53	SFM
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:53	SFM
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:53	SFM
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:53	SFM
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:53	SFM
Aroclor-1254 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:53	SFM
Aroclor-1260 [2]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 9:53	SFM
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:53	SFM
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 9:53	SFM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.6	30-150					7/13/21 9:53	
Decachlorobiphenyl [2]		83.5	30-150					7/13/21 9:53	
Tetrachloro-m-xylene [1]		85.7	30-150					7/13/21 9:53	
Tetrachloro-m-xylene [2]		84.6	30-150					7/13/21 9:53	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 125 Thames St, Bristol, RI

Sample Description:

Work Order: 21G0028

Date Received: 7/1/2021

Field Sample #: CW-3

Sampled: 6/28/2021 14:05

Sample ID: 21G0028-07

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 10:11	SFM
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:11	SFM
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:11	SFM
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:11	SFM
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:11	SFM
Aroclor-1254 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:11	SFM
Aroclor-1260 [2]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 10:11	SFM
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:11	SFM
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:11	SFM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		88.5	30-150					7/13/21 10:11	
Decachlorobiphenyl [2]		84.3	30-150					7/13/21 10:11	
Tetrachloro-m-xylene [1]		78.3	30-150					7/13/21 10:11	
Tetrachloro-m-xylene [2]		79.0	30-150					7/13/21 10:11	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 125 Thames St, Bristol, RI

Sample Description:

Work Order: 21G0028

Date Received: 7/1/2021

Field Sample #: CW-4

Sampled: 6/28/2021 15:10

Sample ID: 21G0028-08

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 10:29	SFM
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:29	SFM
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:29	SFM
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:29	SFM
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:29	SFM
Aroclor-1254 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:29	SFM
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 10:29	SFM
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:29	SFM
Aroclor-1268 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:29	SFM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		70.0	30-150					7/13/21 10:29	
Decachlorobiphenyl [2]		66.8	30-150					7/13/21 10:29	
Tetrachloro-m-xylene [1]		75.4	30-150					7/13/21 10:29	
Tetrachloro-m-xylene [2]		75.3	30-150					7/13/21 10:29	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 125 Thames St, Bristol, RI

Sample Description:

Work Order: 21G0028

Date Received: 7/1/2021

Field Sample #: CW-5

Sampled: 6/28/2021 14:35

Sample ID: 21G0028-09

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 10:46	SFM
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:46	SFM
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:46	SFM
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:46	SFM
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:46	SFM
Aroclor-1254 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:46	SFM
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 10:46	SFM
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:46	SFM
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 10:46	SFM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		92.6	30-150					7/13/21 10:46	
Decachlorobiphenyl [2]		85.4	30-150					7/13/21 10:46	
Tetrachloro-m-xylene [1]		78.9	30-150					7/13/21 10:46	
Tetrachloro-m-xylene [2]		79.3	30-150					7/13/21 10:46	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 125 Thames St, Bristol, RI

Sample Description:

Work Order: 21G0028

Date Received: 7/1/2021

Field Sample #: CW-6

Sampled: 6/28/2021 14:30

Sample ID: 21G0028-10

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 11:04	SFM
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:04	SFM
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:04	SFM
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:04	SFM
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:04	SFM
Aroclor-1254 [2]	0.27	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:04	SFM
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 11:04	SFM
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:04	SFM
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:04	SFM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		102	30-150					7/13/21 11:04	
Decachlorobiphenyl [2]		97.2	30-150					7/13/21 11:04	
Tetrachloro-m-xylene [1]		94.3	30-150					7/13/21 11:04	
Tetrachloro-m-xylene [2]		94.0	30-150					7/13/21 11:04	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 125 Thames St, Bristol, RI

Sample Description:

Work Order: 21G0028

Date Received: 7/1/2021

Field Sample #: CW-7

Sampled: 6/28/2021 15:20

Sample ID: 21G0028-11

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 11:22	SFM
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:22	SFM
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:22	SFM
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:22	SFM
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:22	SFM
Aroclor-1254 [2]	0.47	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:22	SFM
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 11:22	SFM
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:22	SFM
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:22	SFM
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
Decachlorobiphenyl [1]	96.1	30-150						7/13/21 11:22	
Decachlorobiphenyl [2]	86.7	30-150						7/13/21 11:22	
Tetrachloro-m-xylene [1]	85.2	30-150						7/13/21 11:22	
Tetrachloro-m-xylene [2]	85.8	30-150						7/13/21 11:22	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 125 Thames St, Bristol, RI

Sample Description:

Work Order: 21G0028

Date Received: 7/1/2021

Field Sample #: CW-8

Sampled: 6/28/2021 15:30

Sample ID: 21G0028-12

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 11:39	SFM
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:39	SFM
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:39	SFM
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:39	SFM
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:39	SFM
Aroclor-1254 [2]	0.40	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:39	SFM
Aroclor-1260 [2]	0.35	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 11:39	SFM
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:39	SFM
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:39	SFM
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	75.0		30-150				7/13/21 11:39		
Decachlorobiphenyl [2]	71.6		30-150				7/13/21 11:39		
Tetrachloro-m-xylene [1]	75.8		30-150				7/13/21 11:39		
Tetrachloro-m-xylene [2]	76.3		30-150				7/13/21 11:39		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 125 Thames St, Bristol, RI

Sample Description:

Work Order: 21G0028

Date Received: 7/1/2021

Field Sample #: CW-9

Sampled: 6/28/2021 15:05

Sample ID: 21G0028-13

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 11:57	SFM
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:57	SFM
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:57	SFM
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:57	SFM
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:57	SFM
Aroclor-1254 [2]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:57	SFM
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1	R-05	SW-846 8082A	7/8/21	7/13/21 11:57	SFM
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:57	SFM
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	7/8/21	7/13/21 11:57	SFM
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.0	30-150					7/13/21 11:57	
Decachlorobiphenyl [2]		83.1	30-150					7/13/21 11:57	
Tetrachloro-m-xylene [1]		91.0	30-150					7/13/21 11:57	
Tetrachloro-m-xylene [2]		90.9	30-150					7/13/21 11:57	

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Sample Extraction Data

Prep Method: SW-846 3540C Analytical Method: SW-846 8082A

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
21G0028-01 [WS-1]	B285514	1.00	10.0	07/08/21
21G0028-02 [WS-2]	B285514	1.00	10.0	07/08/21
21G0028-03 [WS-3]	B285514	1.00	10.0	07/08/21
21G0028-04 [WS-4]	B285514	1.00	10.0	07/08/21
21G0028-05 [CW-1]	B285514	1.00	10.0	07/08/21
21G0028-06 [CW-2]	B285514	1.00	10.0	07/08/21
21G0028-07 [CW-3]	B285514	1.00	10.0	07/08/21
21G0028-08 [CW-4]	B285514	1.00	10.0	07/08/21
21G0028-09 [CW-5]	B285514	1.00	10.0	07/08/21
21G0028-10 [CW-6]	B285514	1.00	10.0	07/08/21
21G0028-11 [CW-7]	B285514	1.00	10.0	07/08/21
21G0028-12 [CW-8]	B285514	1.00	10.0	07/08/21
21G0028-13 [CW-9]	B285514	1.00	10.0	07/08/21

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QUALITY CONTROL
Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B285514 - SW-846 3540C										
Blank (B285514-BLK1)										
Prepared: 07/08/21 Analyzed: 07/13/21										
Aroclor-1016	ND	0.20	µg/Wipe							R-05
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							R-05
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							R-05
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							R-05
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	1.60		µg/Wipe	2.00		80.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.53		µg/Wipe	2.00		76.4	30-150			
Surrogate: Tetrachloro-m-xylene	1.54		µg/Wipe	2.00		76.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.53		µg/Wipe	2.00		76.7	30-150			
LCS (B285514-BS1)										
Prepared: 07/08/21 Analyzed: 07/13/21										
Aroclor-1016	0.49	0.20	µg/Wipe	0.500		97.3	40-140			R-05
Aroclor-1016 [2C]	0.48	0.20	µg/Wipe	0.500		96.9	40-140			R-05
Aroclor-1260	0.48	0.20	µg/Wipe	0.500		96.7	40-140			R-05
Aroclor-1260 [2C]	0.44	0.20	µg/Wipe	0.500		87.5	40-140			R-05
Surrogate: Decachlorobiphenyl	1.93		µg/Wipe	2.00		96.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.84		µg/Wipe	2.00		92.0	30-150			
Surrogate: Tetrachloro-m-xylene	1.73		µg/Wipe	2.00		86.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.72		µg/Wipe	2.00		86.1	30-150			
LCS Dup (B285514-BSD1)										
Prepared: 07/08/21 Analyzed: 07/13/21										
Aroclor-1016	0.35	0.20	µg/Wipe	0.500		69.1	40-140	33.9 *	30	R-05
Aroclor-1016 [2C]	0.35	0.20	µg/Wipe	0.500		70.2	40-140	31.9 *	30	R-05
Aroclor-1260	0.32	0.20	µg/Wipe	0.500		64.5	40-140	40.0 *	30	R-05
Aroclor-1260 [2C]	0.28	0.20	µg/Wipe	0.500		56.8	40-140	42.5 *	30	R-05
Surrogate: Decachlorobiphenyl	1.20		µg/Wipe	2.00		59.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.15		µg/Wipe	2.00		57.7	30-150			
Surrogate: Tetrachloro-m-xylene	1.23		µg/Wipe	2.00		61.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.24		µg/Wipe	2.00		61.9	30-150			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

WS-1

SW-846 8082A

 Lab Sample ID: 21G0028-01 Date(s) Analyzed: 07/13/2021 07/13/2021

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: _____ (mm) GC Column (2): ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.25	
	2	0.000	0.000	0.000	0.21	17.4

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

CW-1

SW-846 8082A

 Lab Sample ID: 21G0028-05 Date(s) Analyzed: 07/13/2021 07/13/2021

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: _____ (mm) GC Column (2): ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.25	
	2	0.000	0.000	0.000	0.32	24.6

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

CW-7
SW-846 8082A

 Lab Sample ID: 21G0028-11 Date(s) Analyzed: 07/13/2021 07/13/2021

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: _____ (mm) GC Column (2): ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.45	
	2	0.000	0.000	0.000	0.47	4.4

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

CW-8
SW-846 8082A

 Lab Sample ID: 21G0028-12 Date(s) Analyzed: 07/13/2021 07/13/2021

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: _____ (mm) GC Column (2): ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.30	
	2	0.000	0.000	0.000	0.35	15.4

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

SW-846 8082A

 Lab Sample ID: B285514-BS1 Date(s) Analyzed: 07/13/2021 07/13/2021

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.49	
	2	0.000	0.000	0.000	0.48	2.1
Aroclor-1260	1	0.000	0.000	0.000	0.48	
	2	0.000	0.000	0.000	0.44	8.7

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

SW-846 8082A

 Lab Sample ID: B285514-BSD1 Date(s) Analyzed: 07/13/2021 07/13/2021

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.35	
	2	0.000	0.000	0.000	0.35	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.32	
	2	0.000	0.000	0.000	0.28	13.3

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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No certified Analyses included in this Report

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTIL Log-in Number Here

216002E

ALL SHADED AREAS are for LAB USE ONLY

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact Y N NA

Custody Signatures Present Y N NA

Collector Signatures Present Y N NA

Bottles Intact Y N NA

Correct Bottles Y N NA

Sufficient Volume Y N NA

Samples received on Ice Y N NA

VOA - Headspace Acceptable Y N NA

USDA Regulated Soils Y N NA

Samples in Holding Time Y N NA

Residual Chlorine Present Y N NA

Cl Strips: Y N NA

Sample pH Acceptable Y N NA

pH Strips: Y N NA

Sulfide Present Y N NA

Lead Acetate Strips: Y N NA

LAB USE ONLY: Lab Sample # / Comments:

Labels were wet and fell off some jars, unable to figure out which is WS-3, CW-1, CW-2, and CW-3

Customer Sample ID	Matrix *	Comp / Grab	Collected for Composite Start Date	Composite End Date	Res Cl	# of Ctns
WS-1	WP	G	6-28-21 1300			1
WS-2	WP	G	1255			1
WS-3	WP	G	1310			1
WS-4	WP	G	1320			1
CW-1	WP	G	1400			1
CW-2	WP	G	1500			1
CW-3	WP	G	1405			1
CW-4	WP	G	1510			1
CW-5	WP	G	1435			1
CW-6	WP	G	1430			1

Customer Remarks / Special Conditions / Possible Hazards:

Method 8022 w/ Soxhlet extractor needed

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: 3

Cooler 1 Temp Upon Receipt: °C

Cooler 1 Therm Corr. Factor: °C

Cooler 1 Corrected Temp: °C

Comments: 4.3

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: of:

Company: **Nobis**

Address: **18 Chenell Drive**

Report To: **Bethina Games**

Copy To:

Billing Information: **Accounts Payable**

Nobis

Email To: **peames@nobis-group.com**

Site Collection Info/Address: **125 Trammes St**

Customer Project Name/Number: **Robin Ruy 095560.260**

Phone: **603-224-482**

Email:

State: **County/City: Bristol**

Time Zone Collected: **ET**

Compliance Monitoring? **Yes**

DW PWS ID #:

DW Location Code:

Immediately Packed on Ice: **Yes**

Field Filtered (if applicable): **Yes**

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected for Composite Start Date	Composite End Date	Res Cl	# of Ctns
WS-1	WP	G	6-28-21 1300			1
WS-2	WP	G	1255			1
WS-3	WP	G	1310			1
WS-4	WP	G	1320			1
CW-1	WP	G	1400			1
CW-2	WP	G	1500			1
CW-3	WP	G	1405			1
CW-4	WP	G	1510			1
CW-5	WP	G	1435			1
CW-6	WP	G	1430			1

Type of Ice Used: **Wet** Blue Dry None

Packing Material Used:

Radchem: sample(s) screened (<500 cpm): Y N NA

Received by/Company: (Signature) **[Signature]** Date/Time: **6/30/21 2030**

Received by/Company: (Signature) **[Signature]** Date/Time: **7/1/21 1125**

Received by/Company: (Signature) **[Signature]** Date/Time: **7/1/21 1605**

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here
 2166028
 ALL SHADED AREAS are for LAB USE ONLY

Container Preservative Type **
 Lab Project Manager:
 ** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Lab Profile/Line:
 Lab Sample Receipt Checklist:
 Custody Seals Present/Intact: Y N NA
 Custody Signatures Present: Y N NA
 Collector Signatures Present: Y N NA
 Bottles Intact: Y N NA
 Correct Bottles: Y N NA
 Sufficient Volume: Y N NA
 Samples Received on Ice: Y N NA
 VOA - Headspace Acceptable: Y N NA
 USDA Regulated Soils: Y N NA
 Samples in Holding Time: Y N NA
 Residual Chlorine Present: Y N NA
 CI Strips: Y N NA
 Sample pH Acceptable: Y N NA
 pH Strips: Y N NA
 Sulfide Present: Y N NA
 Lead Acetate Strips: Y N NA
 Lab USE ONLY:
 Lab Sample # / Comments:

Analyses

8082 SOXMET																				
PCBS EPA 8082 SOXMET																				

Lab Sample Temperature Info:
 Temp Blank Received: Y N NA
 Therm ID#: 3
 Cooler, 1 Temp Upon Receipt: °C
 Cooler, 1 Therm Corr. Factor: °C
 Cooler, 1 Corrected Temp: °C
 Comments: 4.3
 Trip Blank Received: Y N NA
 HCL MeOH TSP Other
 Non-Conformance(s):
 YES / NO
 Page: 29 of 29
 of: 2

Company: NOVUS
 Address: 18 COWELL DRIVE
 Report To: BETTIE CRAME S
 Copy To: 123 TRAVIS ST

Billing Information:
 Accounts Payable
 NOVUS
 Email To: PLAME.S@NOVUS-GROUP.COM
 Site Collection Info/Address: 123 TRAVIS ST

Customer Project Name/Number: ROBIN RUG 095500-200
 Phone: 603-244-4182
 Email:
 State: RI / Bristol
 County/City: Bristol
 Time Zone Collected: ET
 Compliance Monitoring? [] Yes [X] No

Collected By (print): SARAH POWERS
 Quote #:
 Turnaround Date Required: Standard turnaround
 Rush: [] Same Day [] Next Day
 Field Filtered (if applicable): [] Yes [X] No
 Analysis:
 [] 12 Day [] 3 Day [] 4 Day [] 5 Day
 (Expedite Charges Apply)

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp/Grab	Collected (or Composite Start)		Res CI	# of Ctns
			Date	Time		
CW-7	WP	6	6/28/21	15:20		1
CW-8	WP	6	7/1/21	15:30		1
CW-9	WP	6	7/21/21	15:55		1

Type of Ice Used: Wet Blue Dry None
 Packing Material Used:
 Radchem: sample(s) screened (<500 cpm): Y N NA
 SHORT HOLDS PRESENT (<72 hours): Y N/A
 Lab Tracking #: 2676633

Customer Remarks / Special Conditions / Possible Hazards:
 Method 8082 w/soxmet
 Extraction needed
 Received by/Company: (Signature)
 Date/Time: 6/30/21 2030
 Received by/Company: (Signature)
 Date/Time: 7/1/21 1205
 Received by/Company: (Signature)
 Date/Time: 7/21/21 1605

July 9, 2021

Bettina Eames
Nobis Engineering - NH
18 Chenell Drive
Concord, NH 03301

Project Location: Bristol, RI
Client Job Number:
Project Number: 095560.00
Laboratory Work Order Number: 21G0029

Enclosed are results of analyses for samples received by the laboratory on July 1, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jessica L. Hoffman
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Nobis Engineering - NH
 18 Chenell Drive
 Concord, NH 03301
 ATTN: Bettina Eames

REPORT DATE: 7/9/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 095560.00

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21G0029

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Bristol, RI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SG-1	21G0029-01	Sub Slab		EPA TO-15	
SG-2	21G0029-02	Sub Slab		EPA TO-15	
SG-4	21G0029-03	Sub Slab		EPA TO-15	
SG-5	21G0029-04	Sub Slab		EPA TO-15	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-15

Qualifications:

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Vinyl Acetate

21G0029-01[SG-1], 21G0029-02[SG-2], 21G0029-03[SG-4], 21G0029-04[SG-5], B285631-BLK1, B285631-BS1, B285631-DUP1, S061346-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene

21G0029-01[SG-1], 21G0029-02[SG-2], 21G0029-03[SG-4], 21G0029-04[SG-5], B285631-BLK1, B285631-BS1, B285631-DUP1, S061346-CCV1

Z-01

Compound fails the method requirement of 70-130% recovery for the LCS. Is classified by the lab as a difficult compound and passes the in house limits of 50-150%.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene

21G0029-01[SG-1], 21G0029-02[SG-2], 21G0029-03[SG-4], 21G0029-04[SG-5], B285631-BLK1, B285631-BS1, B285631-DUP1

Naphthalene

21G0029-01[SG-1], 21G0029-02[SG-2], 21G0029-03[SG-4], 21G0029-04[SG-5], B285631-BLK1, B285631-BS1, B285631-DUP1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

 Project Location: Bristol, RI
 Date Received: 7/1/2021
Field Sample #: SG-1
Sample ID: 21G0029-01
 Sample Matrix: Sub Slab
 Sampled: 6/30/2021 14:16

 Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2057
 Canister Size: 6 liter
 Flow Controller ID: 4067
 Sample Type: 30 min

Work Order: 21G0029
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -7
 Receipt Vacuum(in Hg): -5.8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	4.9	4.0		12	9.5	2	7/8/21	19:38	BRF
Benzene	0.30	0.10		0.95	0.32	2	7/8/21	19:38	BRF
Benzyl chloride	ND	0.10		ND	0.52	2	7/8/21	19:38	BRF
Bromodichloromethane	ND	0.10		ND	0.67	2	7/8/21	19:38	BRF
Bromoform	ND	0.10		ND	1.0	2	7/8/21	19:38	BRF
Bromomethane	ND	0.10		ND	0.39	2	7/8/21	19:38	BRF
1,3-Butadiene	ND	0.10		ND	0.22	2	7/8/21	19:38	BRF
2-Butanone (MEK)	ND	4.0		ND	12	2	7/8/21	19:38	BRF
Carbon Disulfide	ND	1.0		ND	3.1	2	7/8/21	19:38	BRF
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/8/21	19:38	BRF
Chlorobenzene	ND	0.10		ND	0.46	2	7/8/21	19:38	BRF
Chloroethane	ND	0.10		ND	0.26	2	7/8/21	19:38	BRF
Chloroform	0.15	0.10		0.74	0.49	2	7/8/21	19:38	BRF
Chloromethane	ND	0.20		ND	0.41	2	7/8/21	19:38	BRF
Cyclohexane	ND	0.10		ND	0.34	2	7/8/21	19:38	BRF
Dibromochloromethane	ND	0.10		ND	0.85	2	7/8/21	19:38	BRF
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/8/21	19:38	BRF
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/8/21	19:38	BRF
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	7/8/21	19:38	BRF
1,4-Dichlorobenzene	1.6	0.10		9.9	0.60	2	7/8/21	19:38	BRF
Dichlorodifluoromethane (Freon 12)	ND	0.10		ND	0.49	2	7/8/21	19:38	BRF
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/8/21	19:38	BRF
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/8/21	19:38	BRF
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/8/21	19:38	BRF
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/8/21	19:38	BRF
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/8/21	19:38	BRF
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/8/21	19:38	BRF
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/8/21	19:38	BRF
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/8/21	19:38	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	7/8/21	19:38	BRF
1,4-Dioxane	ND	1.0		ND	3.6	2	7/8/21	19:38	BRF
Ethanol	11	4.0		20	7.5	2	7/8/21	19:38	BRF
Ethyl Acetate	ND	1.0		ND	3.6	2	7/8/21	19:38	BRF
Ethylbenzene	0.20	0.10		0.89	0.43	2	7/8/21	19:38	BRF
4-Ethyltoluene	ND	0.10		ND	0.49	2	7/8/21	19:38	BRF
Heptane	ND	0.10		ND	0.41	2	7/8/21	19:38	BRF
Hexachlorobutadiene	ND	0.10		ND	1.1	2	7/8/21	19:38	BRF

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ANALYTICAL RESULTS

 Project Location: Bristol, RI
 Date Received: 7/1/2021
Field Sample #: SG-1
Sample ID: 21G0029-01
 Sample Matrix: Sub Slab
 Sampled: 6/30/2021 14:16

 Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2057
 Canister Size: 6 liter
 Flow Controller ID: 4067
 Sample Type: 30 min

Work Order: 21G0029
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -7
 Receipt Vacuum(in Hg): -5.8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Hexane	ND	4.0		ND	14	2	7/8/21 19:38	BRF
2-Hexanone (MBK)	ND	0.20		ND	0.82	2	7/8/21 19:38	BRF
Isopropanol	ND	4.0		ND	9.8	2	7/8/21 19:38	BRF
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	7/8/21 19:38	BRF
Methylene Chloride	ND	1.0		ND	3.5	2	7/8/21 19:38	BRF
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	7/8/21 19:38	BRF
Naphthalene	ND	0.10	Z-01	ND	0.52	2	7/8/21 19:38	BRF
Propene	ND	4.0		ND	6.9	2	7/8/21 19:38	BRF
Styrene	ND	0.10		ND	0.43	2	7/8/21 19:38	BRF
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/8/21 19:38	BRF
Tetrachloroethylene	1.4	0.10		9.6	0.68	2	7/8/21 19:38	BRF
Tetrahydrofuran	ND	1.0		ND	2.9	2	7/8/21 19:38	BRF
Toluene	1.3	0.10		4.8	0.38	2	7/8/21 19:38	BRF
1,2,4-Trichlorobenzene	ND	0.10	Z-01, V-34	ND	0.74	2	7/8/21 19:38	BRF
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	7/8/21 19:38	BRF
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/8/21 19:38	BRF
Trichloroethylene	ND	0.10		ND	0.54	2	7/8/21 19:38	BRF
Trichlorofluoromethane (Freon 11)	2.4	0.40		13	2.2	2	7/8/21 19:38	BRF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40		ND	3.1	2	7/8/21 19:38	BRF
1,2,4-Trimethylbenzene	0.57	0.10		2.8	0.49	2	7/8/21 19:38	BRF
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	7/8/21 19:38	BRF
Vinyl Acetate	ND	2.0	V-05	ND	7.0	2	7/8/21 19:38	BRF
Vinyl Chloride	ND	0.10		ND	0.26	2	7/8/21 19:38	BRF
m&p-Xylene	0.37	0.20		1.6	0.87	2	7/8/21 19:38	BRF
o-Xylene	0.18	0.10		0.78	0.43	2	7/8/21 19:38	BRF

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	91.0	70-130	7/8/21 19:38

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ANALYTICAL RESULTS

 Project Location: Bristol, RI
 Date Received: 7/1/2021
Field Sample #: SG-2
Sample ID: 21G0029-02
 Sample Matrix: Sub Slab
 Sampled: 6/30/2021 14:57

 Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1641
 Canister Size: 6 liter
 Flow Controller ID: 4076
 Sample Type: 30 min

Work Order: 21G0029
 Initial Vacuum(in Hg): -28
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -4.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Acetone	4.8	4.0		12	9.5	2	7/8/21 20:30	BRF
Benzene	ND	0.10		ND	0.32	2	7/8/21 20:30	BRF
Benzyl chloride	ND	0.10		ND	0.52	2	7/8/21 20:30	BRF
Bromodichloromethane	ND	0.10		ND	0.67	2	7/8/21 20:30	BRF
Bromoform	ND	0.10		ND	1.0	2	7/8/21 20:30	BRF
Bromomethane	ND	0.10		ND	0.39	2	7/8/21 20:30	BRF
1,3-Butadiene	ND	0.10		ND	0.22	2	7/8/21 20:30	BRF
2-Butanone (MEK)	ND	4.0		ND	12	2	7/8/21 20:30	BRF
Carbon Disulfide	ND	1.0		ND	3.1	2	7/8/21 20:30	BRF
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/8/21 20:30	BRF
Chlorobenzene	ND	0.10		ND	0.46	2	7/8/21 20:30	BRF
Chloroethane	ND	0.10		ND	0.26	2	7/8/21 20:30	BRF
Chloroform	0.38	0.10		1.8	0.49	2	7/8/21 20:30	BRF
Chloromethane	ND	0.20		ND	0.41	2	7/8/21 20:30	BRF
Cyclohexane	ND	0.10		ND	0.34	2	7/8/21 20:30	BRF
Dibromochloromethane	ND	0.10		ND	0.85	2	7/8/21 20:30	BRF
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/8/21 20:30	BRF
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/8/21 20:30	BRF
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	7/8/21 20:30	BRF
1,4-Dichlorobenzene	0.44	0.10		2.7	0.60	2	7/8/21 20:30	BRF
Dichlorodifluoromethane (Freon 12)	ND	0.10		ND	0.49	2	7/8/21 20:30	BRF
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/8/21 20:30	BRF
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/8/21 20:30	BRF
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/8/21 20:30	BRF
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/8/21 20:30	BRF
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/8/21 20:30	BRF
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/8/21 20:30	BRF
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/8/21 20:30	BRF
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/8/21 20:30	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	7/8/21 20:30	BRF
1,4-Dioxane	ND	1.0		ND	3.6	2	7/8/21 20:30	BRF
Ethanol	33	4.0		62	7.5	2	7/8/21 20:30	BRF
Ethyl Acetate	ND	1.0		ND	3.6	2	7/8/21 20:30	BRF
Ethylbenzene	0.14	0.10		0.59	0.43	2	7/8/21 20:30	BRF
4-Ethyltoluene	ND	0.10		ND	0.49	2	7/8/21 20:30	BRF
Heptane	ND	0.10		ND	0.41	2	7/8/21 20:30	BRF
Hexachlorobutadiene	ND	0.10		ND	1.1	2	7/8/21 20:30	BRF

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ANALYTICAL RESULTS

 Project Location: Bristol, RI
 Date Received: 7/1/2021
Field Sample #: SG-2
Sample ID: 21G0029-02
 Sample Matrix: Sub Slab
 Sampled: 6/30/2021 14:57

 Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1641
 Canister Size: 6 liter
 Flow Controller ID: 4076
 Sample Type: 30 min

Work Order: 21G0029
 Initial Vacuum(in Hg): -28
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -4.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Hexane	ND	4.0		ND	14	2	7/8/21 20:30	BRF	
2-Hexanone (MBK)	ND	0.20		ND	0.82	2	7/8/21 20:30	BRF	
Isopropanol	ND	4.0		ND	9.8	2	7/8/21 20:30	BRF	
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	7/8/21 20:30	BRF	
Methylene Chloride	ND	1.0		ND	3.5	2	7/8/21 20:30	BRF	
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	7/8/21 20:30	BRF	
Naphthalene	ND	0.10	Z-01	ND	0.52	2	7/8/21 20:30	BRF	
Propene	ND	4.0		ND	6.9	2	7/8/21 20:30	BRF	
Styrene	0.10	0.10		0.43	0.43	2	7/8/21 20:30	BRF	
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/8/21 20:30	BRF	
Tetrachloroethylene	2.6	0.10		18	0.68	2	7/8/21 20:30	BRF	
Tetrahydrofuran	ND	1.0		ND	2.9	2	7/8/21 20:30	BRF	
Toluene	0.42	0.10		1.6	0.38	2	7/8/21 20:30	BRF	
1,2,4-Trichlorobenzene	ND	0.10	V-34, Z-01	ND	0.74	2	7/8/21 20:30	BRF	
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	7/8/21 20:30	BRF	
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/8/21 20:30	BRF	
Trichloroethylene	0.23	0.10		1.2	0.54	2	7/8/21 20:30	BRF	
Trichlorofluoromethane (Freon 11)	ND	0.40		ND	2.2	2	7/8/21 20:30	BRF	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40		ND	3.1	2	7/8/21 20:30	BRF	
1,2,4-Trimethylbenzene	ND	0.10		ND	0.49	2	7/8/21 20:30	BRF	
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	7/8/21 20:30	BRF	
Vinyl Acetate	ND	2.0	V-05	ND	7.0	2	7/8/21 20:30	BRF	
Vinyl Chloride	ND	0.10		ND	0.26	2	7/8/21 20:30	BRF	
m&p-Xylene	0.39	0.20		1.7	0.87	2	7/8/21 20:30	BRF	
o-Xylene	0.20	0.10		0.86	0.43	2	7/8/21 20:30	BRF	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	89.6	70-130	7/8/21 20:30

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

 Project Location: Bristol, RI
 Date Received: 7/1/2021
Field Sample #: SG-4
Sample ID: 21G0029-03
 Sample Matrix: Sub Slab
 Sampled: 6/30/2021 15:27

 Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2205
 Canister Size: 6 liter
 Flow Controller ID: 4311
 Sample Type: 30 min

Work Order: 21G0029
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -4.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Acetone	5.4	4.0		13	9.5	2	7/8/21 21:49	BRF
Benzene	ND	0.10		ND	0.32	2	7/8/21 21:49	BRF
Benzyl chloride	ND	0.10		ND	0.52	2	7/8/21 21:49	BRF
Bromodichloromethane	ND	0.10		ND	0.67	2	7/8/21 21:49	BRF
Bromoform	ND	0.10		ND	1.0	2	7/8/21 21:49	BRF
Bromomethane	ND	0.10		ND	0.39	2	7/8/21 21:49	BRF
1,3-Butadiene	ND	0.10		ND	0.22	2	7/8/21 21:49	BRF
2-Butanone (MEK)	ND	4.0		ND	12	2	7/8/21 21:49	BRF
Carbon Disulfide	ND	1.0		ND	3.1	2	7/8/21 21:49	BRF
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/8/21 21:49	BRF
Chlorobenzene	ND	0.10		ND	0.46	2	7/8/21 21:49	BRF
Chloroethane	ND	0.10		ND	0.26	2	7/8/21 21:49	BRF
Chloroform	ND	0.10		ND	0.49	2	7/8/21 21:49	BRF
Chloromethane	ND	0.20		ND	0.41	2	7/8/21 21:49	BRF
Cyclohexane	ND	0.10		ND	0.34	2	7/8/21 21:49	BRF
Dibromochloromethane	ND	0.10		ND	0.85	2	7/8/21 21:49	BRF
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/8/21 21:49	BRF
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/8/21 21:49	BRF
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	7/8/21 21:49	BRF
1,4-Dichlorobenzene	0.19	0.10		1.1	0.60	2	7/8/21 21:49	BRF
Dichlorodifluoromethane (Freon 12)	ND	0.10		ND	0.49	2	7/8/21 21:49	BRF
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/8/21 21:49	BRF
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/8/21 21:49	BRF
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/8/21 21:49	BRF
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/8/21 21:49	BRF
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/8/21 21:49	BRF
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/8/21 21:49	BRF
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/8/21 21:49	BRF
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/8/21 21:49	BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	7/8/21 21:49	BRF
1,4-Dioxane	ND	1.0		ND	3.6	2	7/8/21 21:49	BRF
Ethanol	23	4.0		44	7.5	2	7/8/21 21:49	BRF
Ethyl Acetate	ND	1.0		ND	3.6	2	7/8/21 21:49	BRF
Ethylbenzene	ND	0.10		ND	0.43	2	7/8/21 21:49	BRF
4-Ethyltoluene	ND	0.10		ND	0.49	2	7/8/21 21:49	BRF
Heptane	ND	0.10		ND	0.41	2	7/8/21 21:49	BRF
Hexachlorobutadiene	ND	0.10		ND	1.1	2	7/8/21 21:49	BRF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

 Project Location: Bristol, RI
 Date Received: 7/1/2021
Field Sample #: SG-4
Sample ID: 21G0029-03
 Sample Matrix: Sub Slab
 Sampled: 6/30/2021 15:27

 Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2205
 Canister Size: 6 liter
 Flow Controller ID: 4311
 Sample Type: 30 min

Work Order: 21G0029
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -4.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Hexane	ND	4.0		ND	14	2	7/8/21 21:49	BRF	
2-Hexanone (MBK)	ND	0.20		ND	0.82	2	7/8/21 21:49	BRF	
Isopropanol	ND	4.0		ND	9.8	2	7/8/21 21:49	BRF	
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	7/8/21 21:49	BRF	
Methylene Chloride	ND	1.0		ND	3.5	2	7/8/21 21:49	BRF	
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	7/8/21 21:49	BRF	
Naphthalene	ND	0.10	Z-01	ND	0.52	2	7/8/21 21:49	BRF	
Propene	ND	4.0		ND	6.9	2	7/8/21 21:49	BRF	
Styrene	ND	0.10		ND	0.43	2	7/8/21 21:49	BRF	
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/8/21 21:49	BRF	
Tetrachloroethylene	38	0.10		260	0.68	2	7/8/21 21:49	BRF	
Tetrahydrofuran	ND	1.0		ND	2.9	2	7/8/21 21:49	BRF	
Toluene	0.25	0.10		0.93	0.38	2	7/8/21 21:49	BRF	
1,2,4-Trichlorobenzene	ND	0.10	V-34, Z-01	ND	0.74	2	7/8/21 21:49	BRF	
1,1,1-Trichloroethane	0.42	0.10		2.3	0.55	2	7/8/21 21:49	BRF	
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/8/21 21:49	BRF	
Trichloroethylene	3.6	0.10		19	0.54	2	7/8/21 21:49	BRF	
Trichlorofluoromethane (Freon 11)	77	0.40		430	2.2	2	7/8/21 21:49	BRF	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40		ND	3.1	2	7/8/21 21:49	BRF	
1,2,4-Trimethylbenzene	ND	0.10		ND	0.49	2	7/8/21 21:49	BRF	
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	7/8/21 21:49	BRF	
Vinyl Acetate	ND	2.0	V-05	ND	7.0	2	7/8/21 21:49	BRF	
Vinyl Chloride	ND	0.10		ND	0.26	2	7/8/21 21:49	BRF	
m&p-Xylene	0.26	0.20		1.1	0.87	2	7/8/21 21:49	BRF	
o-Xylene	0.14	0.10		0.62	0.43	2	7/8/21 21:49	BRF	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	86.2	70-130	7/8/21 21:49

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ANALYTICAL RESULTS

 Project Location: Bristol, RI
 Date Received: 7/1/2021
Field Sample #: SG-5
Sample ID: 21G0029-04
 Sample Matrix: Sub Slab
 Sampled: 6/30/2021 15:58

 Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2010
 Canister Size: 6 liter
 Flow Controller ID: 4213
 Sample Type: 30 min

Work Order: 21G0029
 Initial Vacuum(in Hg): -28
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -6.7
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	12	4.0		28	9.5	2	7/8/21 22:40		BRF
Benzene	0.19	0.10		0.61	0.32	2	7/8/21 22:40		BRF
Benzyl chloride	ND	0.10		ND	0.52	2	7/8/21 22:40		BRF
Bromodichloromethane	ND	0.10		ND	0.67	2	7/8/21 22:40		BRF
Bromoform	ND	0.10		ND	1.0	2	7/8/21 22:40		BRF
Bromomethane	ND	0.10		ND	0.39	2	7/8/21 22:40		BRF
1,3-Butadiene	ND	0.10		ND	0.22	2	7/8/21 22:40		BRF
2-Butanone (MEK)	ND	4.0		ND	12	2	7/8/21 22:40		BRF
Carbon Disulfide	ND	1.0		ND	3.1	2	7/8/21 22:40		BRF
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/8/21 22:40		BRF
Chlorobenzene	ND	0.10		ND	0.46	2	7/8/21 22:40		BRF
Chloroethane	ND	0.10		ND	0.26	2	7/8/21 22:40		BRF
Chloroform	0.17	0.10		0.81	0.49	2	7/8/21 22:40		BRF
Chloromethane	ND	0.20		ND	0.41	2	7/8/21 22:40		BRF
Cyclohexane	ND	0.10		ND	0.34	2	7/8/21 22:40		BRF
Dibromochloromethane	ND	0.10		ND	0.85	2	7/8/21 22:40		BRF
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/8/21 22:40		BRF
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/8/21 22:40		BRF
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	7/8/21 22:40		BRF
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	7/8/21 22:40		BRF
Dichlorodifluoromethane (Freon 12)	ND	0.10		ND	0.49	2	7/8/21 22:40		BRF
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/8/21 22:40		BRF
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/8/21 22:40		BRF
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/8/21 22:40		BRF
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/8/21 22:40		BRF
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/8/21 22:40		BRF
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/8/21 22:40		BRF
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/8/21 22:40		BRF
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/8/21 22:40		BRF
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	7/8/21 22:40		BRF
1,4-Dioxane	ND	1.0		ND	3.6	2	7/8/21 22:40		BRF
Ethanol	ND	4.0		ND	7.5	2	7/8/21 22:40		BRF
Ethyl Acetate	ND	1.0		ND	3.6	2	7/8/21 22:40		BRF
Ethylbenzene	0.12	0.10		0.52	0.43	2	7/8/21 22:40		BRF
4-Ethyltoluene	ND	0.10		ND	0.49	2	7/8/21 22:40		BRF
Heptane	ND	0.10		ND	0.41	2	7/8/21 22:40		BRF
Hexachlorobutadiene	ND	0.10		ND	1.1	2	7/8/21 22:40		BRF

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ANALYTICAL RESULTS

 Project Location: Bristol, RI
 Date Received: 7/1/2021
Field Sample #: SG-5
Sample ID: 21G0029-04
 Sample Matrix: Sub Slab
 Sampled: 6/30/2021 15:58

 Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2010
 Canister Size: 6 liter
 Flow Controller ID: 4213
 Sample Type: 30 min

Work Order: 21G0029
 Initial Vacuum(in Hg): -28
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -6.7
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Hexane	ND	4.0		ND	14	2	7/8/21 22:40	BRF	
2-Hexanone (MBK)	ND	0.20		ND	0.82	2	7/8/21 22:40	BRF	
Isopropanol	ND	4.0		ND	9.8	2	7/8/21 22:40	BRF	
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	7/8/21 22:40	BRF	
Methylene Chloride	ND	1.0		ND	3.5	2	7/8/21 22:40	BRF	
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	7/8/21 22:40	BRF	
Naphthalene	ND	0.10	Z-01	ND	0.52	2	7/8/21 22:40	BRF	
Propene	ND	4.0		ND	6.9	2	7/8/21 22:40	BRF	
Styrene	0.12	0.10		0.53	0.43	2	7/8/21 22:40	BRF	
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/8/21 22:40	BRF	
Tetrachloroethylene	1.7	0.10		11	0.68	2	7/8/21 22:40	BRF	
Tetrahydrofuran	ND	1.0		ND	2.9	2	7/8/21 22:40	BRF	
Toluene	0.62	0.10		2.3	0.38	2	7/8/21 22:40	BRF	
1,2,4-Trichlorobenzene	ND	0.10	V-34, Z-01	ND	0.74	2	7/8/21 22:40	BRF	
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	7/8/21 22:40	BRF	
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/8/21 22:40	BRF	
Trichloroethylene	ND	0.10		ND	0.54	2	7/8/21 22:40	BRF	
Trichlorofluoromethane (Freon 11)	ND	0.40		ND	2.2	2	7/8/21 22:40	BRF	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40		ND	3.1	2	7/8/21 22:40	BRF	
1,2,4-Trimethylbenzene	ND	0.10		ND	0.49	2	7/8/21 22:40	BRF	
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	7/8/21 22:40	BRF	
Vinyl Acetate	ND	2.0	V-05	ND	7.0	2	7/8/21 22:40	BRF	
Vinyl Chloride	ND	0.10		ND	0.26	2	7/8/21 22:40	BRF	
m&p-Xylene	0.30	0.20		1.3	0.87	2	7/8/21 22:40	BRF	
o-Xylene	0.13	0.10		0.57	0.43	2	7/8/21 22:40	BRF	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	91.8	70-130	7/8/21 22:40

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Sample Extraction Data
Prep Method: TO-15 Prep
Analytical Method: EP

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
21G0029-01 [SG-1]	B285631	1.5	1	N/A	1000	200	150	07/08/21
21G0029-02 [SG-2]	B285631	1.5	1	N/A	1000	200	150	07/08/21
21G0029-03 [SG-4]	B285631	1.5	1	N/A	1000	200	150	07/08/21
21G0029-04 [SG-5]	B285631	1.5	1	N/A	1000	200	150	07/08/21

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	Limits	RPD	Limit		
Batch B285631 - TO-15 Prep											
Blank (B285631-BLK1)						Prepared & Analyzed: 07/08/21					
Acetone	ND	0.80									
Benzene	ND	0.020									
Benzyl chloride	ND	0.020									
Bromodichloromethane	ND	0.020									
Bromoform	ND	0.020									
Bromomethane	ND	0.020									
1,3-Butadiene	ND	0.020									
2-Butanone (MEK)	ND	0.80									
Carbon Disulfide	ND	0.20									
Carbon Tetrachloride	ND	0.020									
Chlorobenzene	ND	0.020									
Chloroethane	ND	0.020									
Chloroform	ND	0.020									
Chloromethane	ND	0.040									
Cyclohexane	ND	0.020									
Dibromochloromethane	ND	0.020									
1,2-Dibromoethane (EDB)	ND	0.020									
1,2-Dichlorobenzene	ND	0.020									
1,3-Dichlorobenzene	ND	0.020									
1,4-Dichlorobenzene	ND	0.020									
Dichlorodifluoromethane (Freon 12)	ND	0.020									
1,1-Dichloroethane	ND	0.020									
1,2-Dichloroethane	ND	0.020									
1,1-Dichloroethylene	ND	0.020									
cis-1,2-Dichloroethylene	ND	0.020									
trans-1,2-Dichloroethylene	ND	0.020									
1,2-Dichloropropane	ND	0.020									
cis-1,3-Dichloropropene	ND	0.020									
trans-1,3-Dichloropropene	ND	0.020									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.020									
1,4-Dioxane	ND	0.20									
Ethanol	ND	0.80									
Ethyl Acetate	ND	0.20									
Ethylbenzene	ND	0.020									
4-Ethyltoluene	ND	0.020									
Heptane	ND	0.020									
Hexachlorobutadiene	ND	0.020									
Hexane	ND	0.80									
2-Hexanone (MBK)	ND	0.020									
Isopropanol	ND	0.80									
Methyl tert-Butyl Ether (MTBE)	ND	0.020									
Methylene Chloride	ND	0.20									
4-Methyl-2-pentanone (MIBK)	ND	0.020									
Naphthalene	ND	0.020									
Propene	ND	0.80									
Styrene	ND	0.020									

Z-01

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QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	RPD	RPD	Limit	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	%REC	Limits			
Batch B285631 - TO-15 Prep											
Blank (B285631-BLK1)						Prepared & Analyzed: 07/08/21					
1,1,2,2-Tetrachloroethane	ND	0.020									
Tetrachloroethylene	ND	0.020									
Tetrahydrofuran	ND	0.20									
Toluene	ND	0.020									
1,2,4-Trichlorobenzene	ND	0.020									V-34, Z-01
1,1,1-Trichloroethane	ND	0.020									
1,1,2-Trichloroethane	ND	0.020									
Trichloroethylene	ND	0.020									
Trichlorofluoromethane (Freon 11)	ND	0.080									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.080									
1,2,4-Trimethylbenzene	ND	0.020									
1,3,5-Trimethylbenzene	ND	0.020									
Vinyl Acetate	ND	0.40									V-05
Vinyl Chloride	ND	0.020									
m&p-Xylene	ND	0.040									
o-Xylene	ND	0.020									
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>7.27</i>				<i>8.00</i>		<i>90.9</i>		<i>70-130</i>		
LCS (B285631-BS1)						Prepared & Analyzed: 07/08/21					
Acetone	4.76				5.00		95.1		70-130		
Benzene	4.64				5.00		92.8		70-130		
Benzyl chloride	5.25				5.00		105		70-130		
Bromodichloromethane	5.05				5.00		101		70-130		
Bromoform	4.95				5.00		99.1		70-130		
Bromomethane	3.96				5.00		79.2		70-130		
1,3-Butadiene	3.86				5.00		77.1		70-130		
2-Butanone (MEK)	4.68				5.00		93.6		70-130		
Carbon Disulfide	4.58				5.00		91.5		70-130		
Carbon Tetrachloride	4.68				5.00		93.5		70-130		
Chlorobenzene	4.45				5.00		89.0		70-130		
Chloroethane	4.12				5.00		82.4		70-130		
Chloroform	4.30				5.00		86.0		70-130		
Chloromethane	4.43				5.00		88.5		70-130		
Cyclohexane	4.38				5.00		87.7		70-130		
Dibromochloromethane	4.75				5.00		94.9		70-130		
1,2-Dibromoethane (EDB)	4.75				5.00		95.0		70-130		
1,2-Dichlorobenzene	4.91				5.00		98.2		70-130		
1,3-Dichlorobenzene	5.05				5.00		101		70-130		
1,4-Dichlorobenzene	4.86				5.00		97.2		70-130		
Dichlorodifluoromethane (Freon 12)	4.07				5.00		81.4		70-130		
1,1-Dichloroethane	4.33				5.00		86.7		70-130		
1,2-Dichloroethane	4.38				5.00		87.6		70-130		
1,1-Dichloroethylene	4.67				5.00		93.5		70-130		
cis-1,2-Dichloroethylene	4.26				5.00		85.2		70-130		
trans-1,2-Dichloroethylene	4.21				5.00		84.2		70-130		
1,2-Dichloropropane	4.78				5.00		95.7		70-130		

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QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	Limits	RPD	Limit		
Batch B285631 - TO-15 Prep											
LCS (B285631-BS1)						Prepared & Analyzed: 07/08/21					
cis-1,3-Dichloropropene	4.44				5.00		88.8	70-130			
trans-1,3-Dichloropropene	4.88				5.00		97.6	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	3.85				5.00		77.1	70-130			
1,4-Dioxane	4.88				5.00		97.6	70-130			
Ethanol	5.22				5.00		104	70-130			
Ethyl Acetate	3.98				5.00		79.7	70-130			
Ethylbenzene	4.48				5.00		89.6	70-130			
4-Ethyltoluene	4.51				5.00		90.2	70-130			
Heptane	4.93				5.00		98.6	70-130			
Hexachlorobutadiene	4.46				5.00		89.2	70-130			
Hexane	4.61				5.00		92.2	70-130			
2-Hexanone (MBK)	5.81				5.00		116	70-130			
Isopropanol	4.07				5.00		81.5	70-130			
Methyl tert-Butyl Ether (MTBE)	3.77				5.00		75.4	70-130			
Methylene Chloride	5.17				5.00		103	70-130			
4-Methyl-2-pentanone (MIBK)	5.18				5.00		104	70-130			
Naphthalene	3.04				5.00		60.7 *	70-130			Z-01
Propene	4.06				5.00		81.2	70-130			
Styrene	4.52				5.00		90.4	70-130			
1,1,2,2-Tetrachloroethane	5.08				5.00		102	70-130			
Tetrachloroethylene	4.43				5.00		88.6	70-130			
Tetrahydrofuran	4.13				5.00		82.5	70-130			
Toluene	4.44				5.00		88.7	70-130			
1,2,4-Trichlorobenzene	3.37				5.00		67.4 *	70-130			Z-01, V-34
1,1,1-Trichloroethane	4.62				5.00		92.5	70-130			
1,1,2-Trichloroethane	4.80				5.00		95.9	70-130			
Trichloroethylene	4.82				5.00		96.4	70-130			
Trichlorofluoromethane (Freon 11)	4.12				5.00		82.4	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.39				5.00		87.8	70-130			
1,2,4-Trimethylbenzene	4.54				5.00		90.8	70-130			
1,3,5-Trimethylbenzene	4.69				5.00		93.8	70-130			
Vinyl Acetate	4.54				5.00		90.7	70-130			V-05
Vinyl Chloride	4.19				5.00		83.9	70-130			
m&p-Xylene	9.74				10.0		97.4	70-130			
o-Xylene	4.76				5.00		95.2	70-130			
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>7.69</i>				<i>8.00</i>		<i>96.2</i>	<i>70-130</i>			

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QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	RPD	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	Limits	RPD	Limit	
Batch B285631 - TO-15 Prep										
Duplicate (B285631-DUP1)		Source: 21G0029-02				Prepared & Analyzed: 07/08/21				
Acetone	4.9	4.0	12	9.5		4.8		0.0412	25	
Benzene	ND	0.10	ND	0.32		ND			25	
Benzyl chloride	ND	0.10	ND	0.52		ND			25	
Bromodichloromethane	ND	0.10	ND	0.67		ND			25	
Bromoform	ND	0.10	ND	1.0		ND			25	
Bromomethane	ND	0.10	ND	0.39		ND			25	
1,3-Butadiene	ND	0.10	ND	0.22		ND			25	
2-Butanone (MEK)	ND	4.0	ND	12		ND			25	
Carbon Disulfide	ND	1.0	ND	3.1		ND			25	
Carbon Tetrachloride	ND	0.10	ND	0.63		ND			25	
Chlorobenzene	ND	0.10	ND	0.46		ND			25	
Chloroethane	ND	0.10	ND	0.26		ND			25	
Chloroform	0.36	0.10	1.7	0.49		0.38		5.43	25	
Chloromethane	ND	0.20	ND	0.41		ND			25	
Cyclohexane	ND	0.10	ND	0.34		ND			25	
Dibromochloromethane	ND	0.10	ND	0.85		ND			25	
1,2-Dibromoethane (EDB)	ND	0.10	ND	0.77		ND			25	
1,2-Dichlorobenzene	ND	0.10	ND	0.60		ND			25	
1,3-Dichlorobenzene	ND	0.10	ND	0.60		ND			25	
1,4-Dichlorobenzene	0.43	0.10	2.6	0.60		0.44		3.69	25	
Dichlorodifluoromethane (Freon 12)	ND	0.10	ND	0.49		ND			25	
1,1-Dichloroethane	ND	0.10	ND	0.40		ND			25	
1,2-Dichloroethane	ND	0.10	ND	0.40		ND			25	
1,1-Dichloroethylene	ND	0.10	ND	0.40		ND			25	
cis-1,2-Dichloroethylene	ND	0.10	ND	0.40		ND			25	
trans-1,2-Dichloroethylene	ND	0.10	ND	0.40		ND			25	
1,2-Dichloropropane	ND	0.10	ND	0.46		ND			25	
cis-1,3-Dichloropropene	ND	0.10	ND	0.45		ND			25	
trans-1,3-Dichloropropene	ND	0.10	ND	0.45		ND			25	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10	ND	0.70		ND			25	
1,4-Dioxane	ND	1.0	ND	3.6		ND			25	
Ethanol	33	4.0	62	7.5		33		0.472	25	
Ethyl Acetate	ND	1.0	ND	3.6		ND			25	
Ethylbenzene	0.13	0.10	0.55	0.43		0.14		7.63	25	
4-Ethyltoluene	ND	0.10	ND	0.49		ND			25	
Heptane	ND	0.10	ND	0.41		ND			25	
Hexachlorobutadiene	ND	0.10	ND	1.1		ND			25	
Hexane	0.40	4.0	1.4	14		0.40		1.50	25	
2-Hexanone (MBK)	ND	0.10	ND	0.41		ND			25	
Isopropanol	ND	4.0	ND	9.8		ND			25	
Methyl tert-Butyl Ether (MTBE)	ND	0.10	ND	0.36		ND			25	
Methylene Chloride	ND	1.0	ND	3.5		ND			25	
4-Methyl-2-pentanone (MIBK)	ND	0.10	ND	0.41		ND			25	
Naphthalene	ND	0.10	ND	0.52		ND			25	Z-01
Propene	ND	4.0	ND	6.9		ND			25	
Styrene	0.11	0.10	0.45	0.43		0.10		5.83	25	

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QUALITY CONTROL
Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	RPD	Limit	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	%REC	RPD		
Batch B285631 - TO-15 Prep										
Duplicate (B285631-DUP1)		Source: 21G0029-02				Prepared & Analyzed: 07/08/21				
1,1,2,2-Tetrachloroethane	ND	0.10	ND	0.69		ND			25	
Tetrachloroethylene	2.6	0.10	18	0.68		2.6		0.304	25	
Tetrahydrofuran	ND	1.0	ND	2.9		ND			25	
Toluene	0.44	0.10	1.7	0.38		0.42		4.16	25	
1,2,4-Trichlorobenzene	ND	0.10	ND	0.74		ND			25	V-34, Z-01
1,1,1-Trichloroethane	ND	0.10	ND	0.55		ND			25	
1,1,2-Trichloroethane	ND	0.10	ND	0.55		ND			25	
Trichloroethylene	0.19	0.10	1.0	0.54		0.23		15.2	25	
Trichlorofluoromethane (Freon 11)	0.39	0.40	2.2	2.2		0.38		1.04	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40	ND	3.1		ND			25	
1,2,4-Trimethylbenzene	ND	0.10	ND	0.49		ND			25	
1,3,5-Trimethylbenzene	ND	0.10	ND	0.49		ND			25	
Vinyl Acetate	ND	2.0	ND	7.0		ND			25	V-05
Vinyl Chloride	ND	0.10	ND	0.26		ND			25	
m&p-Xylene	0.39	0.20	1.7	0.87		0.39		0.00	25	
o-Xylene	0.19	0.10	0.83	0.43		0.20		3.08	25	
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>6.95</i>				<i>8.00</i>		<i>86.9</i>	<i>70-130</i>		

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
Z-01	Compound fails the method requirement of 70-130% recovery for the LCS. Is classified by the lab as a difficult compound and passes the in house limits of 50-150%.

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INTERNAL STANDARD AREA AND RT SUMMARY
EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S052381-ICV1)			Lab File ID: J2025821.D			Analyzed: 09/14/20 23:22			
Bromochloromethane (1)	159501	2.873	155833	2.873	102	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	756714	3.475	745760	3.475	101	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	686740	5.06	671608	5.057	102	60 - 140	0.0030	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S061346-CCV1)			Lab File ID: J21A189004.D			Analyzed: 07/08/21 11:41			
Bromochloromethane (1)	157356	2.87	155833	2.873	101	60 - 140	-0.0030	+/-0.50	
1,4-Difluorobenzene (1)	638767	3.472	745760	3.475	86	60 - 140	-0.0030	+/-0.50	
Chlorobenzene-d5 (1)	572744	5.057	671608	5.057	85	60 - 140	0.0000	+/-0.50	
LCS (B285631-BS1)			Lab File ID: J21A189005.D			Analyzed: 07/08/21 12:08			
Bromochloromethane (1)	154718	2.867	157356	2.87	98	60 - 140	-0.0030	+/-0.50	
1,4-Difluorobenzene (1)	629101	3.472	638767	3.472	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	564227	5.057	572744	5.057	99	60 - 140	0.0000	+/-0.50	
Blank (B285631-BLK1)			Lab File ID: J21A189008.D			Analyzed: 07/08/21 13:37			
Bromochloromethane (1)	153553	2.853	157356	2.87	98	60 - 140	-0.0170	+/-0.50	
1,4-Difluorobenzene (1)	568518	3.465	638767	3.472	89	60 - 140	-0.0070	+/-0.50	
Chlorobenzene-d5 (1)	521545	5.053	572744	5.057	91	60 - 140	-0.0040	+/-0.50	
SG-1 (21G0029-01)			Lab File ID: J21A189019.D			Analyzed: 07/08/21 19:38			
Bromochloromethane (1)	156119	2.86	157356	2.87	99	60 - 140	-0.0100	+/-0.50	
1,4-Difluorobenzene (1)	569826	3.465	638767	3.472	89	60 - 140	-0.0070	+/-0.50	
Chlorobenzene-d5 (1)	520091	5.053	572744	5.057	91	60 - 140	-0.0040	+/-0.50	
SG-2 (21G0029-02)			Lab File ID: J21A189021.D			Analyzed: 07/08/21 20:30			
Bromochloromethane (1)	151655	2.86	157356	2.87	96	60 - 140	-0.0100	+/-0.50	
1,4-Difluorobenzene (1)	554837	3.468	638767	3.472	87	60 - 140	-0.0040	+/-0.50	
Chlorobenzene-d5 (1)	524986	5.054	572744	5.057	92	60 - 140	-0.0030	+/-0.50	
Duplicate (B285631-DUP1)			Lab File ID: J21A189022.D			Analyzed: 07/08/21 20:57			
Bromochloromethane (1)	150490	2.86	157356	2.87	96	60 - 140	-0.0100	+/-0.50	
1,4-Difluorobenzene (1)	555730	3.468	638767	3.472	87	60 - 140	-0.0040	+/-0.50	
Chlorobenzene-d5 (1)	530318	5.054	572744	5.057	93	60 - 140	-0.0030	+/-0.50	
SG-4 (21G0029-03)			Lab File ID: J21A189024.D			Analyzed: 07/08/21 21:49			
Bromochloromethane (1)	143197	2.86	157356	2.87	91	60 - 140	-0.0100	+/-0.50	
1,4-Difluorobenzene (1)	550533	3.475	638767	3.472	86	60 - 140	0.0030	+/-0.50	
Chlorobenzene-d5 (1)	539904	5.057	572744	5.057	94	60 - 140	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY
EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
SG-5 (21G0029-04)		Lab File ID: J21A189026.D			Analyzed: 07/08/21 22:40				
Bromochloromethane (1)	146505	2.86	157356	2.87	93	60 - 140	-0.0100	+/-0.50	
1,4-Difluorobenzene (1)	519978	3.465	638767	3.472	81	60 - 140	-0.0070	+/-0.50	
Chlorobenzene-d5 (1)	479500	5.054	572744	5.057	84	60 - 140	-0.0030	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S061346-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.86	0.9103154	0.8850047		-2.8	30
Benzene	A	5.00	4.78	0.6606025	0.6318197		-4.4	30
Benzyl chloride	A	5.00	4.94	0.5965762	0.5894319		-1.2	30
Bromodichloromethane	A	5.00	5.16	0.4537953	0.4678914		3.1	30
Bromoform	A	5.00	4.98	0.6600998	0.6568519		-0.5	30
Bromomethane	A	5.00	3.96	1.001177	0.7927807		-20.8	30
1,3-Butadiene	A	5.00	4.14	0.6246902	0.5173594		-17.2	30
2-Butanone (MEK)	A	5.00	4.58	1.30749	1.197997		-8.4	30
Carbon Disulfide	A	5.00	4.65	2.466469	2.291731		-7.1	30
Carbon Tetrachloride	A	5.00	4.77	0.5064752	0.4835616		-4.5	30
Chlorobenzene	A	5.00	4.53	0.7751296	0.7019848		-9.4	30
Chloroethane	A	5.00	4.05	0.5001442	0.4055517		-18.9	30
Chloroform	A	5.00	4.33	2.018779	1.748219		-13.4	30
Chloromethane	A	5.00	4.45	0.6141491	0.5465518		-11.0	30
Cyclohexane	A	5.00	4.45	0.2849344	0.2536061		-11.0	30
Dibromochloromethane	A	5.00	4.81	0.6429615	0.6185409		-3.8	30
1,2-Dibromoethane (EDB)	A	5.00	4.91	0.4841019	0.4754375		-1.8	30
1,2-Dichlorobenzene	A	5.00	4.75	0.6846313	0.6505552		-5.0	30
1,3-Dichlorobenzene	A	5.00	4.99	0.7215992	0.7200117		-0.2	30
1,4-Dichlorobenzene	A	5.00	4.81	0.7134896	0.6866453		-3.8	30
Dichlorodifluoromethane (Freon 12)	A	5.00	4.11	2.507091	2.06234		-17.7	30
1,1-Dichloroethane	A	5.00	4.31	1.545303	1.333354		-13.7	30
1,2-Dichloroethane	A	5.00	4.39	1.058805	0.9295407		-12.2	30
1,1-Dichloroethylene	A	5.00	4.59	1.160287	1.065569		-8.2	30
cis-1,2-Dichloroethylene	A	5.00	4.18	1.114268	0.9326927		-16.3	30
trans-1,2-Dichloroethylene	A	5.00	4.31	1.201908	1.035146		-13.9	30
1,2-Dichloropropane	A	5.00	4.83	0.2231134	0.2155903		-3.4	30
cis-1,3-Dichloropropene	A	5.00	4.48	0.3628898	0.3254896		-10.3	30
trans-1,3-Dichloropropene	A	5.00	4.68	0.3055463	0.2857505		-6.5	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	A	5.00	4.12	2.650055	2.185475		-17.5	30
1,4-Dioxane	A	5.00	4.59	0.139387	0.1278714		-8.3	30
Ethanol	A	5.00	4.16	0.1702165	0.1415898		-16.8	30
Ethyl Acetate	A	5.00	5.04	0.2280188	0.2298584		0.8	30
Ethylbenzene	A	5.00	4.62	1.161395	1.073599		-7.6	30
4-Ethyltoluene	A	5.00	4.58	1.262817	1.157501		-8.3	30
Heptane	A	5.00	5.01	0.1688454	0.1692536		0.2	30
Hexachlorobutadiene	A	5.00	4.59	0.6918294	0.6350314		-8.2	30
Hexane	L	5.00	4.53	0.6531603	0.5889016		-9.4	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S061346-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone (MBK)	A	5.00	5.80	0.280065	0.3247831		16.0	30
Isopropanol	A	5.00	5.12	1.001981	1.026442		2.4	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	3.89	2.512535	1.952871		-22.3	30
Methylene Chloride	A	5.00	5.07	0.6621826	0.6719439		1.5	30
4-Methyl-2-pentanone (MIBK)	A	5.00	5.24	0.1531114	0.1603289		4.7	30
Naphthalene	A	5.00	3.90	1.086932	0.8469012		-22.1	30
Propene	A	5.00	4.30	0.4641749	0.3992781		-14.0	30
Styrene	A	5.00	4.54	0.7056488	0.6404174		-9.2	30
1,1,2,2-Tetrachloroethane	A	5.00	5.07	0.638583	0.6475493		1.4	30
Tetrachloroethylene	A	5.00	4.58	0.5546794	0.5080748		-8.4	30
Tetrahydrofuran	A	5.00	4.29	0.7143044	0.6124813		-14.3	30
Toluene	A	5.00	4.55	0.9345011	0.8510525		-8.9	30
1,2,4-Trichlorobenzene	A	5.00	3.58	0.4260284	0.3054852		-28.3	30
1,1,1-Trichloroethane	A	5.00	4.92	0.4496133	0.4424098		-1.6	30
1,1,2-Trichloroethane	A	5.00	4.75	0.3281373	0.3119718		-4.9	30
Trichloroethylene	A	5.00	4.98	0.2979469	0.2969421		-0.3	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.16	2.536841	2.10891		-16.9	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	4.34	1.957735	1.701182		-13.1	30
1,2,4-Trimethylbenzene	A	5.00	4.59	1.026744	0.9424916		-8.2	30
1,3,5-Trimethylbenzene	A	5.00	4.85	1.080978	1.048239		-3.0	30
Vinyl Acetate	A	5.00	3.20	1.400965	0.8956201		-36.1	30 *
Vinyl Chloride	A	5.00	4.28	0.8554634	0.7320471		-14.4	30
m&p-Xylene	A	10.0	9.93	0.9185043	0.9116743		-0.7	30
o-Xylene	A	5.00	4.86	0.899786	0.8744486		-2.8	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA TO-15 in Air</i>	
Acetone	AIHA,NY,ME,NH
Benzene	AIHA,FL,NJ,NY,ME,NH,VA
Benzyl chloride	AIHA,FL,NJ,NY,ME,NH,VA
Bromodichloromethane	AIHA,NJ,NY,ME,NH,VA
Bromoform	AIHA,NJ,NY,ME,NH,VA
Bromomethane	AIHA,FL,NJ,NY,ME,NH
1,3-Butadiene	AIHA,NJ,NY,ME,NH,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,ME,NH,VA
Carbon Disulfide	AIHA,NJ,NY,ME,NH,VA
Carbon Tetrachloride	AIHA,FL,NJ,NY,ME,NH,VA
Chlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Chloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Chloroform	AIHA,FL,NJ,NY,ME,NH,VA
Chloromethane	AIHA,FL,NJ,NY,ME,NH,VA
Cyclohexane	AIHA,NJ,NY,ME,NH,VA
Dibromochloromethane	AIHA,NY,ME,NH
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME,NH
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	AIHA,NJ,NY,ME,NH
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME,NH
1,1-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,ME,NH,VA
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	AIHA,NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA,NJ
Heptane	AIHA,NJ,NY,ME,NH,VA
Hexachlorobutadiene	AIHA,NJ,NY,ME,NH,VA
Hexane	AIHA,FL,NJ,NY,ME,NH,VA
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,ME,NH,VA
Methylene Chloride	AIHA,FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,ME,NH,VA

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA TO-15 in Air</i>	
Tetrachloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Tetrahydrofuran	AIHA
Toluene	AIHA,FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	AIHA,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Trichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	AIHA,NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	AIHA,NJ,NY,ME,NH
1,3,5-Trimethylbenzene	AIHA,NJ,NY,ME,NH
Vinyl Acetate	AIHA,FL,NJ,NY,ME,NH,VA
Vinyl Chloride	AIHA,FL,NJ,NY,ME,NH,VA
m&p-Xylene	AIHA,FL,NJ,NY,ME,NH,VA
o-Xylene	AIHA,FL,NJ,NY,ME,NH,VA

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2021
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2021
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2021

CHAIN OF CUSTODY RECORD (AIR)

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

Requested Turnaround Time
 7-Day 10-Day Standard turnaround
 Due Date: Standard turnaround

Rush Approval Required
 1-Day 3-Day 4-Day

Date Delivery
 Format: PDF EXCEL

Other:
 CLP Like Data Pkg Required:
 Email To: veames@analysis-group.com
 Fax To #:

ANALYSIS REQUESTED

Initial Pressure: _____
 Final Pressure: _____
 Lab Receipt Pressure: _____
 " Hg

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Summa Can ID: _____ Flow Controller ID: _____

Lab Use	Con-Test Work Order #	Client Sample ID / Description	Collection Data		Duration	Flow Rate	Matrix	Volume
			Beginning Date/Time	Ending Date/Time				
01	SG-1		10/30/21 1345	10/30/21 1416	30	0.2 L/MIN	SS	6
02	SG-2		10/30/21 1427	10/30/21 1457	30	0.2 L/MIN	SS	6
03	SG-4		10/30/21 1457	10/30/21 1527	30	0.2 L/MIN	SS	6
04	SG-5		10/30/21 1528	10/30/21 1558	30	0.2 L/MIN	SS	6

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
 SG = SOIL GAS
 IA = INDOOR AIR
 AMB = AMBIENT
 SS = SUB SLAB
 D = DUP
 BL = BLANK
 O = Other

Special Requirements:
 MA MCP Required
 MA MCP Certification Form Required
 CT RCP Required
 RCP Certification Form Required

Project Entity:
 Government Municipality MWRA Other
 Federal 21 J School Chromatogram
 City Brownfield MBTA AIHA-LAP, LLC
 PCB ONLY Soxhlet Non Soxhlet

Signature and Date Section:

Relinquished by (signature)	Date/Time: 10/30/21 2030
Received by (signature)	Date/Time: 10/30/21 1125
Relinquished by (signature)	Date/Time: 10/31/21 1605
Received by (signature)	Date/Time: 10/31/21 1605
Relinquished by (signature)	Date/Time:
Received by (signature)	Date/Time:



I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples _____



con-test
ANALYTICAL LABORATORY

Doc# 278 Rev 6 2017

Air Media Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Woods

Received By RLF Date 7/1/21 Time 1605
 How were the samples received? In Cooler NA On Ice NA No Ice NA
 In Box T Ambient NA Melted Ice NA
 Were samples within Temperature Compliance? 2-6°C NA By Gun # NA Actual Temp - NA
 By Blank # NA Actual Temp - NA
 Was Custody Seal Intact? NA Were Samples Tampered with? NA
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there any loose caps/valves on any samples? F
 Is COC in ink/ Legible? T
 Did COC Include all Client T Analysis T Sampler Name T
 Pertinent Information? Project T ID's T Collection Dates/Times T
 Are Sample Labels filled out and legible? T
 Are there Rushes? F Who was notified? _____
 Samples are received within holding time? T
 Proper Media Used? T Individually Certified Cans? F
 Are there Trip Blanks? F Is there enough Volume? T

Containers:	#	Size	Regulator	Duration	Accessories:		
Summa Cans	5	6L	5	30min	Nut/Ferrule	5	IC Train
Tedlar Bags					Tubing		
TO-17 Tubes					T-Connector		Shipping Charges
Radiello					Syringe		
Pufs/TO-11s					Tedlar		

Can #'s	Reg #'s
2057	4067
11641	4076
2205	4311
2010	4213
Unused Media	Pufs/TO-17's
2144 (29.5) 4039	

Comments: